

XM[™] Plural-Component Sprayers

313289ZAA

ΞN

For spraying two-component epoxy and urethane protective coatings in hazardous and non-hazardous locations. For professional use only.

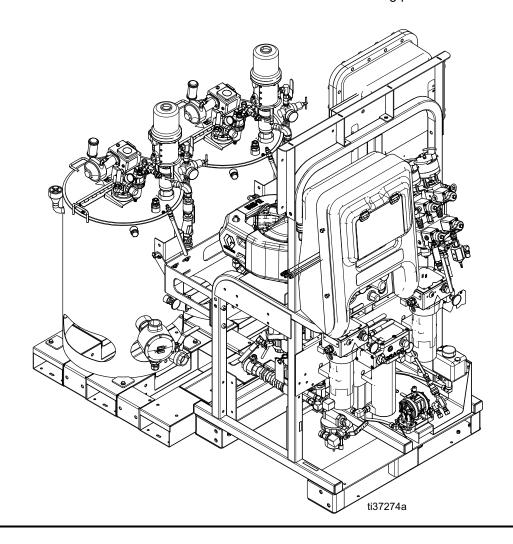


Important Safety Instructions

Read all warnings and instructions in this manual and all related manuals before using the equipment. Save these instructions.

See page and 11 for **Approvals**, and page 15 for **Overview** information.

See **Technical Specifications** on page 104 for maximum working pressure.





Contents

Warnings Important Isocyanate (ISO) Information 7 Isocyanate Conditions 7 Isocyanate Conditions 7 Keep Components A and B Separate 7 Moisture Sensitivity of Isocyanates 8 Changing Materials 8 Models 9 Approvals 11 Overview 15 Usage 15 Location 15 Grounding 15 Corounding 15 Crounding 15 Froper Lifting of Sprayer 16 Fressure Rellef Procedure 177 Flush 18 Flush Mixed Manifold, Hose, and Spray Gun 19 Empty and Flush Entire System (new sprayer or end of job) 22 Park Fluid Pump Rods 24 Shutdown Entire System 24 Cleaning Procedure 25 Troubleshooting 25 Repair 29 Replace Air Filter Element 29 User Interface/Control Box 30 Air Controls 33 Fluid Control Assembly 42 Solvent Pump 44 Fluid Heaters 444 Simplified Pneumatic Schematic, XM Sprayer with Alternator (page 1) 42 Simplified Pneumatic Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electri	Related Manuals 3	Junction Box Wiring Schematics	. 53
Isocyanate Conditions Keep Components A and B Separate Moisture Sensitivity of Isocyanates Changing Materials Models Mode	Warnings4		
Keep Components A and B Separate 7 Moisture Sensitivity of Isocyanates 8 Changing Materials 8 Models 9 Approvals 11 Overview 15 Usage 15 Grounding 1	Important Isocyanate (ISO) Information 7		
Moisture Sensitivity of Isocyanates 8 8 Changing Materials 8 8 Models 9 9 Approvals 9 11 10 Overview 15 Usage 15 Location 15 Grounding 15 Grounding 15 Grounding 15 Grounding 15 Grounding 15 Grounding 15 Hazardous Location 240V Electric Heated Hose 5 Hazardous	Isocyanate Conditions	Non-Hazardous Location 240V Electric Heated	
Moisture Sensitivity of Isocyanates 8 Changing Materials 8 Models 9 Approvals 11 Usage 15 Location 5 Grounding 15 Grounding 15 Grounding 15 Froper Lifting of Sprayer 16 Flush Mixed Manifold, Hose, and Spray Gun 18 Flush Hoppers 16 Flush Mixed Manifold, Hose, and Spray Gun 18 Flush Hoppers 17 Flush Mixed Manifold, Hose, and Spray Gun 18 Flush Hoppers 22 Park Fluid Pump Rods 24 Shutdown Entire System (new sprayer or end of job) 22 Park Fluid Pump Rods 24 Shutdown Entire System 24 Shutdown Entire System 24 Shutdown Entire System 24 Shutdown Entire System 24 Fluid Control Assembly Parts 8 Replace Air Filter Element 29 User Interface/Control Box 30 Air Controls 38 Fluid Control Assembly 40 Sensors 41 Fluid Heaters 44 Fluid Heater 54 Simplified Electrical Schematic, XM Sprayer with Alternator (page 1) Alternator (page 2) 48 Simplified Pneumatic Schematic, XM Sprayer with Wall Power 49 Simplified Pneumatic Schematic, XM Sprayer with Wall Power 49 Simplified Pneumatic Schematic, XM Sprayer with Wall Power 49 Simplified Pneumatic Schematic, XM Sprayer with Wall Power 49 Simplified Pneumatic Schematic, XM Sprayer with Wall Power 49 Simplified Pneumatic Schematic, XM Sprayer with Wall Power 49 Simplified Pneumatic Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1)	Keep Components A and B Separate 7	Hose	. 54
Models 9 Approvals 11 Overview 15 Usage 15 Location 15 Grounding 15 Proper Lifting of Sprayer 16 Pressure Relief Procedure 17 Flush 18 Flush Mixed Manifold, Hose, and Spray Gun 18 Flush Hoppers 19 Empty and Flush Entire System (new sprayer or end of job) 22 Park Fluid Pump Rods 24 Shutdown Entire System 24 Cleaning Procedure 25 Repair 29 Replace Air Filter Element 29 User Interface/Control Box 30 Air Controls 33 Air Controls 33 Air Controls 33 Fluid Control Assembly 40 Sensors 41 Pump Assembly 42 Fluid Heaters 44 Fluid Heater Schematic, XM Sprayer with Alternator (page 1) 47 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, X	Moisture Sensitivity of Isocyanates 8	Non-Hazardous Location 480V Electric Heated	56
Heated Hose 5 Approvals	Changing Materials 8		
Approvals			
Overview			
Usage	Overview		
Location			
Foroper Lifting of Sprayer 16 Pressure Relief Procedure 17 Flush 18 Flush Mixed Manifold, Hose, and Spray Gun 18 Flush Hoppers 19 Empty and Flush Entire System (new sprayer or end of job) 22 Park Fluid Pump Rods 24 Shutdown Entire System 24 Cleaning Procedure 25 Troubleshooting 26 Repair 29 Replace Air Filter Element 29 User Interface/Control Box 30 Air Controls Module (255728) Parts 88 Fluid Control Assembly 40 Sensors 41 Pump Assembly 42 Solvent Pump 44 Fluid Heaters 44 Electrical Schematic, XM Sprayer with Alternator (page 1) 45 Simplified Electrical Schematic, XM Sprayer with Alternator (page 2) 48 Simplified Electrical Schematic, XM Sprayer with Wall Power 49 Simplified Pneumatic Schematic, XM Sprayer with Wall Power 49 Simplified Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 49 Simplified Pneumatic Schematic, XM Sprayer with Wall Power 65 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 50 Each and Procedure 17 Control Box (255771) Parts 27 Control Box (255771) Parts 27 Control Box (255771) Parts 27 Control Box (255771) Parts 28 Air Control Box (255728) Parts 88 Air Control Box (26588) Parts 88 Fluid Control Assembly 26 Control Box (255728) Parts 88 Air Control Assembly Parts 91 Air Inlet Manifold (26C688) Parts 88 Fluid Control Assembly 26 Control Box (255728) Parts 88 Air Controls Module (26C688) Parts 88 Fluid Control Assembly 26 Air Inlet Manifold (26C689) Parts 48 Fluid Control Assembly 25 Air Inlet Manifold (26C689) Parts 88 Air Control Box (255728) Parts 88 Air Control Box (265728) Parts 88 Air Control Box (265728) Parts 88 Fluid Control Assembly 25 Air Inlet Manifold (26C689) Parts 88 Fluid			
Proper Lifting of Sprayer 16 Pressure Relief Procedure 17 Flush 18 Flush Mixed Manifold, Hose, and Spray Gun 18 Flush Hoppers 19 Empty and Flush Entire System (new sprayer or end of job) 22 Park Fluid Pump Rods 24 Shutdown Entire System 24 Cleaning Procedure 25 Troubleshooting 26 Repair 29 Replace Air Filter Element 29 User Interface/Control Box 30 Air Controls Module (256728) Parts 88 Fluid Control Assembly Parts 98 Fluid Control Assembly Parts 99 Hodge Parts 44 Fluid Pontrol Assembly 40 Sensors 41 Pump Assembly 42 Solvent Pump 44 Fluid Heaters 44 Fluid Penumatic Schematic, XM Sprayer with Alternator (page 1) 47 Detailed Electrical Schematic, XM Sprayer with Alternator (page 2) 48 Simplified Pneumatic Schematic, XM Sprayer with Wall Power 49 Simplified Pneumatic Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall 50 First Advanced Respective Schematic Schemati			
Pressure Relief Procedure 17 Flush Mixed Manifold, Hose, and Spray Gun 18 Flush Hoppers 19 Empty and Flush Entire System (new sprayer or end of job) 22 Park Fluid Pump Rods 24 Shutdown Entire System 24 Cleaning Procedure 25 Troubleshooting 26 Repair 29 Replace Air Filter Element 29 User Interface/Control Box 30 Air Controls Samplified Pleumatic Schematic, XM Sprayer with Alternator Detailed Electrical Schematic, XM Sprayer with Wall Power 49 Simplified Pneumatic Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 5			
Flush Mixed Manifold, Hose, and Spray Gun Flush Hoppers Fluid Pump Rods Fluid Personal Fluid Heater Parts Fluid Control Assembly Fluid Control Rox Fluid Power Fluid Heaters Fluid Control Assembly Fluid Heaters Fluid Control Assembly Fluid Heater Parts Fluid Control Assembly Parts Fluid Control Assembly Parts Fluid Control Assembly Parts Fluid Heater Fluid Heater Fluid Heater Fluid Heater Fluid Heater Fluid Heater Fluid			
Fluish Mixed Manifold, Hose, and Spray Gun 18 Flush Hoppers 19 Empty and Flush Entire System (new sprayer or end of job) 22 Park Fluid Pump Rods 24 Shutdown Entire System 24 Cleaning Procedure 25 Troubleshooting 26 Repair 29 User Interface/Control Box 30 Air Controls 38 Fluid Control Assembly Parts 88 Fluid Lontrol Assembly Parts 98 Fluid Control Module (26C689) Parts 88 Air Inlet Manifold (26C689) Parts 88 Air Inl			
Flush Hoppers	Flush Mixed Manifold, Hose, and Spray Gun 18		
Empty and Flush Entire System (new sprayer or end of job) 22 Park Fluid Pump Rods 24 Shutdown Entire System 24 Cleaning Procedure 25 Troubleshooting 26 Repair 29 Replace Air Filter Element 29 User Interface/Control Box 30 Air Controls 38 Fluid Control Assembly 40 Sensors 41 Pump Assembly 42 Solvent Pump 44 Fluid Heaters 44 Fluid Heaters 44 Fluid Heaters 44 Electrical Schematic, XM Sprayer with Alternator (page 1) 47 Detailed Electrical Schematic, XM Sprayer with Wall Power 48 Simplified Pneumatic Schematic, XM Sprayer with Wall Power (page 2) 48 Simplified Pneumatic Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schem			
Park Fluid Pump Rods 24 Shutdown Entire System 24 Cleaning Procedure 25 Troubleshooting 26 Repair 29 Replace Air Filter Element 29 User Interface/Control Box 30 Air Controls 38 Fluid Control Assembly 40 Sensors 41 Pump Assembly 42 Solvent Pump 44 Fluid Heaters 44 Electrical Schematics XM Sprayer with Alternator (page 1) 5 Detailed Electrical Schematic, XM Sprayer with Wall Power 1 Alternator (page 2) 48 Simplified Pneumatic Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Spr			
Alternator Module (255728) Parts 88 Shutdown Entire System 24 Cleaning Procedure 25 Troubleshooting 26 Repair 29 Replace Air Filter Element 29 User Interface/Control Box 30 Air Controls 38 Fluid Control Assembly 40 Sensors 41 Pump Assembly 42 Solvent Pump 44 Fluid Heaters 44 Electrical Schematics 45 Simplified Electrical Schematic, XM Sprayer with Alternator (page 1) Detailed Electrical Schematic, XM Sprayer with Wall Power 48 Simplified Pneumatic Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 61 Detailed Electrical Schematic, XM Sprayer with Wall Power 61 Detailed Electrical Schematic, XM Sprayer with Wall Power 61 Detailed Electrical Schematic, XM Sprayer with Wall Power 61 Detailed Electrical Schematic, XM Sprayer with Wall Power 61 Detailed Electrical Schematic, XM Sprayer with Wall Power 61 Detailed Electrical Schematic, XM Sprayer with Wall 61 Detailed Electrical Schematic, XM Sprayer with Wall 62 Detailed Electrical Schematic, XM Sprayer with Wall 64 Detailed Electrical Schematic, XM Sprayer with Wall 65 Detailed Electrical Schematic, XM	• /		
Cleaning Procedure			
Troubleshooting 26 Repair 29 Replace Air Filter Element 29 User Interface/Control Box 30 Air Controls 38 Fluid Control Assembly 40 Sensors 41 Pump Assembly 42 Solvent Pump 44 Fluid Heaters 44 Electrical Schematics 45 Simplified Electrical Schematic, XM Sprayer with Alternator (page 1) 47 Detailed Electrical Schematic, XM Sprayer with Alternator (page 2) 48 Simplified Pneumatic Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 51 Detailed Electrical Schematic, XM Sprayer with Wall Power 51 Detailed Electrical Schematic, XM Sprayer with Wall Power 51 Detailed Electrical Schematic, XM Sprayer with Wall Power 51 Detailed Electrical Schematic, XM Sprayer with Wall Power 51 Detailed Electrical Schematic, XM Sprayer with Wall Power 51 Detailed Electrical Schematic, XM Sprayer with Wall Power 51 Detailed Electrical Schematic, XM Sprayer with Wall Power 51 Detailed Electrical Schematic, XM Sprayer with Wall Power 51 Detailed Electrical Schematic, XM Sprayer with Wall Power 51 Detailed Electrical Schematic, XM Sprayer with Wall Power 51 Detailed Electrical Schematic, XM Sprayer with Wall Power 51 Detailed Electrical Schematic, XM Sprayer with Wall Power 51 Detailed Electrical Schematic, XM Sprayer with Wall Power 51 Detailed Electrical Schematic, XM Sprayer with Wall Power 51 Detailed Electrical Schematic, XM Sprayer with Wall Power 51 Detailed Electrical Schematic, XM Sprayer with Wall Power 51 Detailed Electrical Schematic, XM Sprayer with Wall Power 51 Detailed Electrical Schematic, XM Spray			
Repair			
Replace Air Filter Element 29 User Interface/Control Box 30 Air Controls 38 Fluid Control Assembly 40 Sensors 41 Pump Assembly 42 Solvent Pump 44 Fluid Heaters 45 Simplified Electrical Schematic, XM Sprayer with Alternator 45 Simplified Pneumatic Schematic, XM Sprayer with Alternator (page 1) 47 Detailed Electrical Schematic, XM Sprayer with Wall Power 49 Simplified Pneumatic Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51			
Replace Air Filter Element 29 User Interface/Control Box 30 Air Controls 38 Fluid Control Assembly 40 Sensors 41 Pump Assembly 42 Solvent Pump 444 Fluid Heaters 44 Electrical Schematics 45 Simplified Electrical Schematic, XM Sprayer with Alternator 45 Detailed Electrical Schematic, XM Sprayer with Alternator (page 1) 47 Detailed Electrical Schematic, XM Sprayer with Wall Power 49 Simplified Pneumatic Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schemat			
Air Controls			
Fluid Control Assembly 40 Sensors 41 Pump Assembly 42 Solvent Pump 44 Fluid Heaters 44 Fluid Heaters 44 Electrical Schematics 45 Simplified Electrical Schematic, XM Sprayer with Alternator 45 Detailed Electrical Schematic, XM Sprayer with Alternator (page 1) 47 Detailed Electrical Schematic, XM Sprayer with Wall Power 49 Simplified Pneumatic Schematic, XM Sprayer with Wall Power 49 Simplified Pneumatic Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer with Wall Power 55 Detailed Electrical Schematic, XM Sprayer With Wall Power 55 Detailed Electrical Schematic, XM Sprayer With Power 55 Detailed			
Sensors			
Sensors 41 Pump Assembly 42 Solvent Pump 44 Fluid Heaters 44 Electrical Schematics 45 Simplified Electrical Schematic, XM Sprayer with Alternator 50 Detailed Electrical Schematic, XM Sprayer with Alternator (page 1) 47 Detailed Electrical Schematic, XM Sprayer with Alternator (page 2) 48 Simplified Pneumatic Schematic, XM Sprayer with Alternator (page 2) 48 Simplified Pneumatic Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall			
Pump Assembly Solvent Pump 44 Fluid Heaters 44 Fluid Heaters 45 Electrical Schematics 45 Simplified Electrical Schematic, XM Sprayer with Alternator Alternator 46 Detailed Electrical Schematic, XM Sprayer with Alternator (page 1) Detailed Electrical Schematic, XM Sprayer with Alternator (page 2) Simplified Pneumatic Schematic, XM Sprayer with Alternator (page 2) Simplified Electrical Schematic, XM Sprayer with Wall Power 48 Simplified Pneumatic Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 50 Detailed Electrical Schematic, XM Sprayer with Wall Power 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1) 51 Detailed Electrical Schematic, XM Sprayer with Wall		(Non-Hazardous Locations)	. 98
Fluid Heaters		XM System Dimensions without Hoppers	
Electrical Schematics		(Hazardous Locations)	. 99
Simplified Electrical Schematic, XM Sprayer with Alternator			
Alternator			
Simplified Pneumatic Schematic, XM Sprayer with Alternator	Simplified Electrical Schematic, XM Sprayer with		
Alternator			
Detailed Electrical Schematic, XM Sprayer with Alternator (page 1)	Alternator 46		
Alternator (page 1)			
Detailed Electrical Schematic, XM Sprayer with Alternator (page 2)	Alternator (page 1) 47		
Simplified Electrical Schematic, XM Sprayer with Wall Power	Detailed Electrical Schematic, XM Sprayer with	Graco Information	106
Simplified Pneumatic Schematic, XM Sprayer with Wall Power	Simplified Electrical Schematic, XM Sprayer with		
Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1)	Simplified Pneumatic Schematic, XM Sprayer with		
Detailed Electrical Schematic, XM Sprayer with Wall	Detailed Electrical Schematic, XM Sprayer with Wall		

Related Manuals

Manuals are available at www.graco.com.

Manual in English	Description
312359	XM Plural-Component Sprayers Operation
313292	XM Plural-Component OEM Sprayers Instructions-Parts
311762	Xtreme [®] Displacement Pumps Instructions-Parts
3A5423	XL6500 and XL3400 Air Motor Instructions-Parts
3A6110	Double Wall Stainless Steel Lined Hopper Kit Instructions-Parts
3A2954	Viscon [®] HF Heater Instructions-Parts
312145	XTR [™] 5 and XTR [™] 7 Spray Guns Instructions-Parts
3A4032	Xtreme Duty [™] and Agitator Instructions-Parts
312794	Merkur [®] Pump Assembly Instructions-Parts
406699	7-Gallon Plastic, 10-Gallon Stainless Steel Hopper Installation Kit Instructions-Parts
406739	Desiccant Kit Instructions-Parts
406690	Caster Kit Instructions-Parts
406691	Hose Rack Kit Instructions-Parts
313258	Electric Heated Hose Power Supply Kit Instructions-Parts
313259	Hopper or Hose Heat Circulation Kit Instructions-Parts
312770	Lower Strainer and Valve Kit Instructions-Parts
312749	XM Mix Manifold Kit Instructions-Parts
313293	Alternator Conversion Kits Instructions-Parts
313342	Dosing Valve Repair Kit Instructions-Parts
313343	High Flow Severe Duty Shutoff Check Valve Repair Kit Instructions-Parts
307044	Feed Pump Instructions-Parts
3A7670	Remote Recirculation Manifold Instructions-Parts
3A7523	Junction Box for XP and XM Proportioners Instructions-Parts
3A7524	Xtreme-Wrap [™] Electric Heated Hose Instructions-Parts
3A5313	Xtreme-Wrap Water Heated Hose Parts

Warnings

The following warnings are for the setup, use, grounding, maintenance, and repair of this equipment. The exclamation point symbol alerts you to a general warning and the hazard symbols refer to procedure-specific risks. When these symbols appear in the body of this manual or on warning labels, refer back to these Warnings. Product-specific hazard symbols and warnings not covered in this section may appear throughout the body of this manual where applicable.

▲ DANGER



SEVERE ELECTRIC SHOCK HAZARD

This equipment can be powered by more than 240 V. Contact with this voltage will cause death or serious injury.

Turn off and disconnect power at main switch before disconnecting any cables and before servicing



- equipment.
- This equipment must be grounded. Connect only to grounded power source.
- All electrical wiring must be done by a qualified electrician and comply with all local codes and regulations.

⚠ WARNING



FIRE AND EXPLOSION HAZARD

Flammable fumes, such as solvent and paint fumes, in **work area** can ignite or explode. Paint or solvent flowing through the equipment can cause static sparking. To help prevent fire and explosion:



- Use equipment only in well-ventilated area.
- Eliminate all ignition sources; such as pilot lights, cigarettes, portable electric lamps, and plastic drop cloths (potential static sparking).
- Ground all equipment in the work area. See **Grounding** instructions.
- Never spray or flush solvent at high pressure.
- Keep work area free of debris, including solvent, rags and gasoline.



- Do not plug or unplug power cords, or turn power or light switches on or off when flammable fumes are present.
- Use only grounded hoses.



- Hold gun firmly to side of grounded pail when triggering into pail. Do not use pail liners unless they
 are anti-static or conductive.
- **Stop operation immediately** if static sparking occurs or you feel a shock. Do not use equipment until you identify and correct the problem.
- Keep a working fire extinguisher in the work area.
- Do not connect USB device in explosive atmospheres.



SPECIAL CONDITIONS FOR SAFE USE

- To prevent the risk of electrostatic sparking, the equipment's non-metallic parts must be cleaned only
 with a damp cloth.
- Flamepath joints are not for repair. Contact the manufacturer.
- Special fasteners for securing equipment covers shall have a minimum yield strength of 1000 MPa, and be corrosion resistant and sized M8x1.5x30.

⚠ WARNING



INTRINSIC SAFETY

Intrinsically safe equipment that is installed improperly or connected to non-intrinsically safe equipment will create a hazardous condition and can cause fire, explosion, or electric shock. Follow local regulations and the following safety requirements.



- Only models with model number XM_D00, XM_N__, or XM_E__ utilizing the air-driven alternator are approved for installation in a Hazardous (explosive atmosphere) Location see **Approvals**, page 11. Only the models stated above meet all local safety fire codes including NFPA 33, NEC 500 and 516, and OSHA 1910.107. To help prevent fire and explosion:
 - Do not install equipment approved only for a non-hazardous location in a hazardous location. See model ID label for intrinsic safety rating of your model.
 - Do not substitute system components as this may impair intrinsic safety.
- Equipment that comes in contact with the intrinsically safe terminals must be rated for Intrinsic Safety. This includes DC voltage meters, ohmmeters, cables, and connections. Remove the unit from the hazardous area when troubleshooting.
- Do not connect, download, or remove USB device unless unit is removed from the hazardous (explosive atmosphere) location.
- If explosion-proof heaters are used, ensure wiring, wiring connections, switches, and electrical distribution panel all meet flame-proof (explosion-proof) requirements.

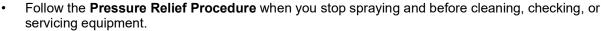


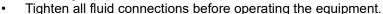
SKIN INJECTION HAZARD

High-pressure fluid from gun, hose leaks, or ruptured components will pierce skin. This may look like just a cut, but it is a serious injury that can result in amputation. **Get immediate surgical treatment.**



- Engage trigger lock when not dispensing.
- Do not spray without tip guard and trigger guard installed.
- Engage trigger lock when not spraying.
- Do not point gun at anyone or at any part of the body.
- Do not put your hand over the spray tip.
- Do not stop or deflect leaks with your hand, body, glove, or rag.











MOVING PARTS HAZARD

Moving parts can pinch, cut or amputate fingers and other body parts.

- Keep clear of moving parts.
- Do not operate equipment with protective guards or covers removed.
- Equipment can start without warning. Before checking, moving, or servicing equipment, follow the **Pressure Relief Procedure** and disconnect all power sources.





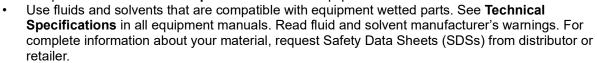
⚠ WARNING



EQUIPMENT MISUSE HAZARD

Misuse can cause death or serious injury.

- Do not operate the unit when fatigued or under the influence of drugs or alcohol.
- Do not exceed the maximum working pressure or temperature rating of the lowest rated system component. See **Technical Specifications** in all equipment manuals.



- Do not leave the work area while equipment is energized or under pressure.
- Turn off all equipment and follow the Pressure Relief Procedure when equipment is not in use.
- Check equipment daily. Repair or replace worn or damaged parts immediately with genuine manufacturer's replacement parts only.
- Do not alter or modify equipment. Alterations or modifications may void agency approvals and create safety hazards.
- Make sure all equipment is rated and approved for the environment in which you are using it.
- Use equipment only for its intended purpose. Call your distributor for information.
- Route hoses and cables away from traffic areas, sharp edges, moving parts, and hot surfaces.
- Do not kink or over bend hoses or use hoses to pull equipment.
- Keep children and animals away from work area.
- Comply with all applicable safety regulations.



TOXIC FLUID OR FUMES HAZARD

Toxic fluids or fumes can cause serious injury or death if splashed in the eyes or on skin, inhaled or swallowed.

- Read Safety Data Sheets (SDSs) for handling instructions and to know the specific hazards of the fluids you are using, including the effects of long-term exposure.
- When spraying, servicing equipment, or when in the work area, always keep work area well-ventilated and always wear appropriate personal protective equipment. See Personal Protective Equipment warnings in this manual.
- Store hazardous fluid in approved containers, and dispose of it according to applicable guidelines.



BURN HAZARD

Equipment surfaces and fluid that is heated can become very hot during operation. To avoid severe burns:

Do not touch hot fluid or equipment.



PERSONAL PROTECTIVE EQUIPMENT

Always wear appropriate personal protective equipment and cover all skin when spraying, servicing equipment, or when in the work area. Protective equipment helps prevent serious injury, including long-term exposure; inhalation of toxic fumes, mists or vapors; allergic reaction; burns; eye injury and hearing loss. This protective equipment includes but is not limited to:

- A properly fitting respirator, which may include a supplied-air respirator, chemically impermeable gloves, protective clothing and foot coverings as recommended by the fluid manufacturer and local regulatory authority.
- Protective eyewear and hearing protection.

Important Isocyanate (ISO) Information

Isocyanates (ISO) are catalysts used in two component materials.

Isocyanate Conditions









Spraying or dispensing fluids that contain isocyanates creates potentially harmful mists, vapors, and atomized particulates.

- Read and understand the fluid manufacturer's warnings and Safety Data Sheets (SDSs) to know specific hazards and precautions related to isocyanates.
- Use of isocyanates involves potentially hazardous procedures. Do not spray with this equipment unless you are trained, qualified, and have read and understood the information in this manual and in the fluid manufacturer's application instructions and SDSs.
- Use of incorrectly maintained or mis-adjusted equipment may result in improperly cured material. Equipment must be carefully maintained and adjusted according to instructions in the manual.
- To prevent inhalation of isocyanate mists, vapors, and atomized particulates, everyone in the work area must wear appropriate respiratory protection. Always wear a properly fitting respirator, which may include a supplied-air respirator. Ventilate the work area according to instructions in the fluid manufacturer's SDSs.
- Avoid all skin contact with isocyanates. Everyone
 in the work area must wear chemically
 impermeable gloves, protective clothing and foot
 coverings as recommended by the fluid
 manufacturer and local regulatory authority.
 Follow all fluid manufacturer recommendations,
 including those regarding handling of
 contaminated clothing. After spraying, wash hands
 and face before eating or drinking.

Keep Components A and B Separate







Cross-contamination can result in cured material in fluid lines which could cause serious injury or damage equipment. To prevent cross-contamination:

- Never interchange component A and component B wetted parts.
- Never use solvent on one side if it has been contaminated from the other side.

Moisture Sensitivity of Isocyanates

Exposure to moisture (such as humidity) will cause ISO to partially cure, forming small, hard, abrasive crystal that become suspended in the fluid. Eventually a film will form on the surface and the ISO will begin to gel, increasing in viscosity.

NOTICE

Partially cured ISO will reduce performance and the life of all wetted parts.

- Always use a sealed container with a desiccant dryer in the vent, or a nitrogen atmosphere. Never store ISO in an open container.
- Keep the ISO pump wet cup or reservoir (if installed) filled with appropriate lubricant. The lubricant creates a barrier between the ISO and the atmosphere.
- Use only moisture-proof hoses compatible with ISO.
- Never use reclaimed solvents, which may contain moisture. Always keep solvent containers closed when not in use.
- Always lubricate threaded parts with an appropriate lubricant when reassembling.

NOTE: The amount of film formation and rate of crystallization varies depending on the blend of ISO, the humidity, and the temperature.

Changing Materials

NOTICE

Changing the material types used in your equipment requires special attention to avoid equipment damage and downtime.

- When changing materials, flush the equipment multiple times to ensure it is thoroughly clean.
- · Always clean the fluid inlet strainers after flushing.
- Check with your material manufacturer for chemical compatibility.
- When changing between epoxies and urethanes or polyureas, disassemble and clean all fluid components and change hoses. Epoxies often have amines on the B (hardener) side. Polyureas often have amines on the B (resin) side.

Models







XM sprayers are not approved for use in hazardous locations unless the base model, all accessories, all kits, and all wiring meet local, state, and national codes.

Check the identification plate (ID) for the 6-digit part number of the sprayer. Use the following matrix to define the construction of the sprayer, based on the six digits. For example, Part XM1L00 represents an XM Plural-Component sprayer (XM); 5200 psi pump set with pump filters (1); wall power supply, no heaters, no junction box, and is not approved for hazardous areas (L).

NOTE: Some configurations in the following matrix cannot be built. Consult with distributor or Graco representative.

To order replacement parts, see Parts section the XM Plural-Component Sprayer Repair-Parts manual 313289. The digits in the matrix do not correspond to the Ref. numbers in the Parts drawings and lists.

Table 1: Hazardous Locations

(See Top Level Sprayer Approvals on page 11)

First Two Digits		Third Digit				Fourth Digi	t	F	Fifth Digit	Si	xth Digit
					Co	ntrol Power	Viscon HP Fluid Heaters		ed System	Heated Hose	
Model		Pump Set (psi)	Remote Manifold		Wall Power	Intrinsically Safe	Explosion Proof	i eed System			
			Marinola		XM_A00 Alternator XM_D00		240V	Feed]	
	1	XM50 (5200)		Ν		✓		0	None	0	None
XM	3	XM70 (6300)		E*		✓	✓	1	10-Gallon Stainless Steel		
	5	XM50 (5200)	✓								
	7	XM70 (6300)	✓								

^{*} Uses Explosion-Proof Viscon High Pressure (HP) Fluid Heaters.

Table 2: Designed with Hazardous Location Approved Components

(No Top Level Sprayer approval - individual component approvals listed in Approvals, page 11)

First Two Digits		Third	Digit	Fourth Digit							Fifth Digit		Si	xth Digit		
							Contro	l Power		HF Fluid iters	Junctio	on Box	Fe	ed System		
NA . d . l		Pump	Remote	Remote			Intrinsically	Explosion	on Proof	Explosion	on Proof			l., , ,,, l		
Model		Set (psi)	Manifold		Wall Power XM_A00	Safe Alternator XM_D00	240V	480V	240V	480V		Feed	неа	ated Hose		
	1	XM50 (5200)		P*		✓	✓				0	None	0	None		
XM	3	XM70 (6300)		F*		✓		✓			1	10-Gallon Stainless Steel	W	Water		
Aivi	5	XM50 (5200)	✓	J*		✓	✓		✓		2	25-Gallon Heated Skid	Е	Electric		
	7	XM70 (6300)	✓	K*		✓		✓		✓						

^{*} Uses Explosion-Proof Viscon High Flow (HF) Fluid Heaters.

313289ZAA S

Table 3: Non-Hazardous Locations

(No Top Level Sprayer approval - individual component approvals listed in **Component Level Approvals**, page 12)

First Two Digits		Third	Digit				Fourth Di	Digit				Fifth Digit		Sixth Digit	
					Contro	l Power		HF Fluid Iters	Junctio	on Box F		ed System			
Model		Pump Set (psi)	Remote Manifold		Wall Power XM_A00	Intrinsically Safe Alternator XM_D00	240V	480V	240V	480V		Feed	Hea	ated Hose	
	1	XM50 (5200)		L	✓						0	None	0	None	
XM	3	XM70 (6300)		М*	√		✓		✓		1	10-Gallon Stainless Steel	W	Water	
Alvi	5	XM50 (5200)	✓	H*	√			√		√	2	25-Gallon Heated Skid	Е	Electric	
	7	XM70 (6300)	✓												

^{*} Uses Viscon High Flow (HF) Fluid Heaters.

Approvals

Table 4: Top Level Sprayer Approvals

Sprayer Model	Top Level Approvals
XM_N	Ex ib pxb IIA T3 Gb Tamb = 0°C to 54°C FM09ATEX0015X FM21UKEX0167X APPROVED Ex i, Class I, Div 1, Group D, T3. Ta = 0°C to 54°C CE 2575 EX i
XM_E	Ex li 2 G Ex db ib pxb IIA T3 Tamb = 0°C to 54°C FM09ATEX0015X FM21UKEX0167X CFM APPROVED Ex i, Class I, Div 1, Group D, T3. Ta = 0°C to 54°C CE 2575 CE 2575 CE 2575 CE 2575 CE 2575
XM_P XM_F	System is intended for hazardous locations with the classification of Class I, Division 1, Group D T3 0°C to 54°C
XM_J XM_K	System is intended for hazardous locations with the classification of Class I, Division 1, Group D T3 0°C to 54°C
XM_L XM_M XM_H	C€ EHI CK

Table 5: Component Level Approvals

	Control Power		h American Location		opean sphere	Approvale
Component	Description	Non- Hazardous	Hazardous Class 1 Division 1	Non- Explosive	Explosive	Approvals
XM_D00	Intrinsically Safe Alternator	1	√	1	√	Ex db ib pxb IIA T3 Tamb = 0°C to 54°C FM09ATEX0015X FM21UKEX0167X UK APPROVED Intrinsically safe/ Sécurité intrinseque, Ex i, Class I, Div 1, Group D, T3. Ta = 0°C to 54°C
XM_A00	Wall Power	✓		✓		APPROVED CE [III & UK

Viscon FI	Viscon Fluid Heater		th American Location		opean osphere	- Approvals
Component	Description	Non- Hazardous	Hazardous Class 1 Division 1	Non- Explosive	Explosive	Αρριοναίς
26C476	480V HF Ex	1	✓	✓	1	C E 2575 Intertek 9902471 Class I, Division 1, Groups C, D (T3) Ta = -20°C to 60°C Certificate No: 18-KA4B0-0072X
24W248	240V HF Ex	✓	√	>	✓	II 2 G Ex db IIB T4 Gb ITS14ATEX18155X IT521UKEX0367X IECEX Ratings EX db IIB T4 Gb IECEX Certificate No. IECEX ETL 14.0046X Ta = -20°C to 60°C
24P016	240V HF Ordinary	✓		✓		© C € CA
26C475	480V HF Ordinary	√		√		Intertek 9902471 Certified to CAN/USA C22.2 No. 61010, 61010-2-010 Conforms to UL 61010, 61010-2-010

Jur	nction Box		th American Location		pean sphere	Approvals
Component	Description	Non-Hazar dous	Hazardous Class I Division 1	Non-Explos ive	Explosive	, pprovide
Explosion Proof Electrical Enclosure		~	√			Class I, Division 1, Groups B, C, & D UL 1203/CSA C22.2 No. 25 & 30
26C583	480V Explosion Proof Junction Box	✓	✓			
26C906	480V Explosion Proof Junction Box, Electric Hose Heat	1	✓			Designed to Standards:
26C581	240V Explosion Proof Junction Box	✓	✓			UL 60079-0 UL 60079-25
26C905	240V Explosion Proof Junction Box, Electric Hose Heat	1	✓			
_	Ordinary Location Electrical Enclosure (OLEE)			✓		
26C582	480V Junction Box	✓		✓		
26C904	480V Junction Box, Electric Hose Heat	✓		✓		Intertek
26C580	240V Junction Box	✓		✓		9902471 Conforms to UL STD 508A
26C899	240V Junction Box, Electric Hose Heat	✓		✓		Certified to CAN/CSA C22.2 No. 286

Heated Ho	Heated Hopper Assembly		erican Atmosphere	European A	Atmosphere	Approvals
Component	Description	Non-Hazard ous	Hazardous Class I Division 1	Non-Explosi ve	Explosive	
25P239*	Immersion Heaters, 480V	1	✓			© US Class I, Division 1, Groups B, C, & D (T4)
25N577	Immersion Heaters, 240V	1	√	√		Class I, Division 1, Groups B, C, & D (T4)
25N584	5:1 Monark Pump	1	√	1	√	Ex h IIb T2 Ga/Gb T503ATEX11228X TS21UKEX0322X
25N588	Xtreme Duty Hopper Agitator	√	√	√	·	Ex h IIb T4 Ga/Gb TS16ATEX10098AX ITS21UKEX0262X 0°C ≤ Ta ≤ 50°C

 $^{{}^*}Selected if XM_H__, XM_F__ are ordered. Will default to 240V immersion heater if XM_M__, XM_P__ or XM_J__ are ordered. \\$

Heated H	ose		th American tion Category		pean re Category	Approvals
Component	Description	Non-Hazard ous	Hazardous Class I Division 1	Non-Explosi ve	Explosive	Дрргочию
See your water heated hose manual for complete list of part numbers	Water Jacketed	1	√	✓	√	EX) II 2 G Ex h T5 Gb
See your electric heated hose manual for complete list of part numbers and approvals	ual for Electric √		1	1		©US US 38141 Class I, Division 1

Overview

Usage

XM plural-component sprayers can mix and spray most two-component epoxy and urethane protective coatings. When using quick-setting materials (less than 10 minute pot life) a remote mix manifold must be used.

XM plural-component sprayers are operated via the user interface, air controls, and fluid controls.

The XM sprayer operates using compressed air pressure. The hazardous location XM model variants feature an intrinsically safe alternator powered by a compressed air-fed turbine as a power supply. The alternator module working pressure must be set to 18 +/- 1 psi (12.6 +/- 10 kPa, 1.26 +/- 0.07 bar).

Location







XM sprayers are not approved for use in hazardous locations unless the base model, all accessories, all kits, and all wiring meet local, state, and national codes. See **Models**, page 9, to determine the appropriate location for your particular model.

Grounding



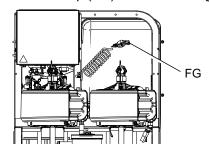






The equipment must be grounded to reduce the risk of static sparking and electric shock. Electric or static sparking can cause fumes to ignite or explode. Improper grounding can cause electric shock. Grounding provides an escape for the electric current.

System: Connect the power source ground wire in the electrical compartment as show in **Connect Power Source** in your XM Sprayer Operation Manual (see **Related Manuals**, page 3). Connect the XM sprayer ground wire clamp (FG) to a true earth ground.



Air and fluid hoses: Use only electrically conductive hoses with a maximum of 500 ft (152 m) combined hose length to ensure grounding continuity. Check electrical resistance of hose regularly. If total resistance to ground exceeds 29 megaohms, replace hose immediately.

Spray gun: Ground through connection to a properly grounded fluid hose and pump.

Solvent pails: Follow your local code. Use only conductive metal pails, placed on a grounded surface. Do not place the pail on a non-conductive surface, such as paper or cardboard, which interrupts grounding continuity.

To maintain grounding continuity when flushing or relieving pressure: hold the metal part of the spray gun firmly to the side of a grounded metal pail, then trigger the gun.

Object being sprayed: Follow your local code.

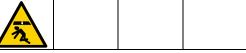
Fluid supply container: Follow your local code.

Air compressor: Follow manufacturer's recommendations.

Proper Lifting of Sprayer







Follow instructions to avoid serious injury or damage to equipment. Never lift with the hopper(s) filled.

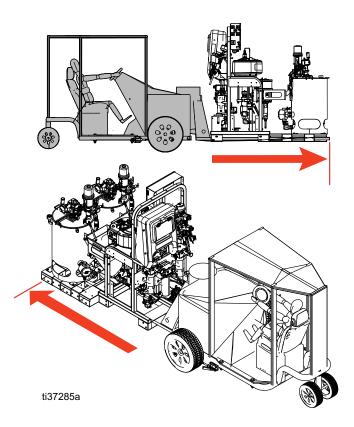
NOTICE

To prevent spilling and to ensure even weight distribution, drain all fluid prior to lifting th proportioner.

Lift Using a Forklift

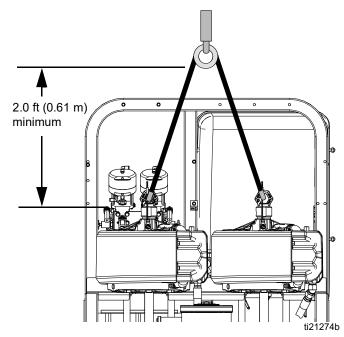
Power must be off. Sprayer can be raised and moved using a forklift. Carefully lift the sprayer; make sure it balances evenly.

NOTE: If 25-gallon hoppers are installed, make sure the forklift arms extend across the entire unit. The forklift must approach from the front of the unit.



Lift Using a Hoist

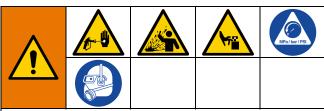
Sprayer can also be lifted and moved using a hoist. Connect a bridle swing, hooking an end to each of the air motor lift rings. Hook the center ring to a hoist. See the following figure. Carefully lift the sprayer; make sure it balances evenly. Do not lift with 25 gallon hoppers attached to the unit.



Pressure Relief Procedure



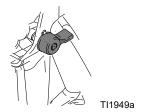
Follow the Pressure Relief Procedure whenever you see this symbol.



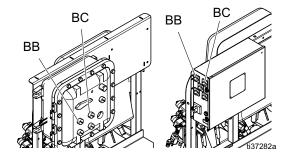
This equipment stays pressurized until pressure is manually relieved. To help prevent serious injury from pressurized fluid, such as skin injection, splashing fluid and moving parts, follow this Pressure Relief Procedure when you stop spraying and before cleaning, checking, or servicing the equipment.

Relieve A and B Fluid Pressure

1. Engage trigger lock.



- 2 Press
- 3. If fluid heaters are used, use Primary Heater Switches (BC) on the junction box to turn them off.

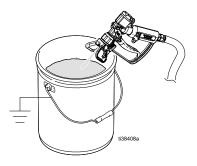


4. If the feed pumps are being used, shut them off by closing the feed pump air regulator and the feed pump air valve.

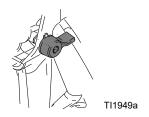
Disengage trigger lock.



6. Hold a metal part of the gun firmly to a grounded metal pail with a splash guard in place. Trigger gun to relieve pressure in material hoses.



7. Engage trigger lock.



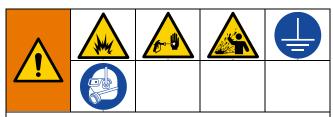
8. Close mix manifold valves (AH, AJ).

NOTICE

To prevent material from curing in the fluid lines and causing damage to the equipment, always flush the mix hose after relieving A and B fluid pressure through the mix manifold. Follow the **Flush Mixed Manifold, Hose, and Spray Gun**, page 18i, when you stop spraying or dispensing, and before cleaning, checking, servicing, or transporting equipment.

Flush

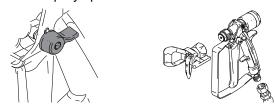
Flush Mixed Manifold, Hose, and Spray Gun



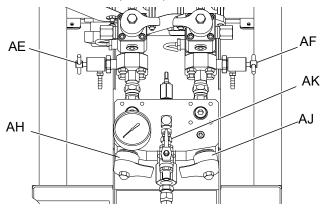
To avoid fire and explosion, always ground equipment and waste container. To avoid static sparking and injury from splashing, always flush at the lowest possible pressure.

Hot solvent may ignite. To avoid fire and explosion:

- Flush equipment only in well-ventilated area.
- Ensure main power is off and heater is cool before flushing.
- Do not turn on heater until fluid lines are clear of solvent.
- Press to turn off system. Follow Pressure Relief Procedure, page 17. Engage trigger lock. Remove spray tip.

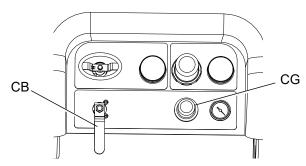


2. Make sure sampling valves (AE, AF) and mix manifold valves (AH, AJ) are closed.



Open solvent shutoff valve (AK) at mix manifold.

4. Verify that the solvent pump air regulator (CG) is at 0 psi, then open solvent pump air control (CB). Pull out and slowly turn solvent pump air regulator (CG) clockwise to increase air pressure. Use lowest possible pressure.

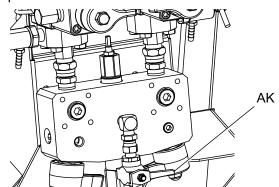


5. Disengage trigger lock. Hold a metal part of the gun firmly to a grounded metal pail with a splash guard in place. Use a pail lid with a hole in it to dispense through. Be careful to keep fingers away from the front of the gun. Trigger gun until clean solvent appears.



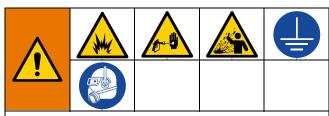
- 6. Close solvent pump air valve (CB).
- 7. Hold a metal part of the gun against a grounded metal pail and trigger the gun to relive pressure.

 Close the solvent flush valve (AK) after relieving the pressure.



- 8. Engage trigger lock.
- 9. Disassemble and clean spray tip with solvent. Reinstall on the gun.

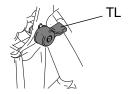
Flush Hoppers



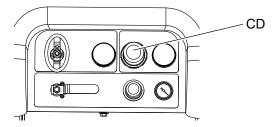
To avoid fire and explosion, always ground equipment and waste container. To avoid static sparking and injury from splashing, always flush at the lowest possible pressure.

Hot solvent may ignite. To avoid fire and explosion:

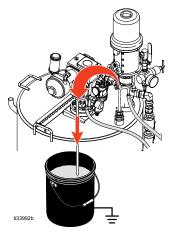
- · Flush equipment only in well-ventilated area.
- Ensure main power is off and heater is cool before flushing.
- Do not turn on heater until fluid lines are clear of solvent.
- If fluid heaters are used, use the hopper heater switches (BD) on the junction box to turn them off. Allow everything to cool before flushing.
- 2. Follow the **Flush Mixed Manifold, Hose, and Spray Gun** procedure on page 18.
- 3. Engage the trigger lock (TL).



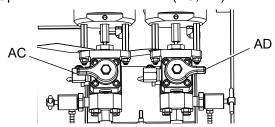
4. Turn the motor air pressure regulator (CD) fully counterclockwise to shut off.



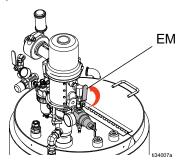
5. Move the recirculation lines (U) to separate grounded fluid containers.



6. Open the recirculation valves (AC, AD).



7. Open the feed pump air valve (EM) and begin to pump material out of the hopper. The feed pump may stall.



Select pumps to recirculate by pressing ATB

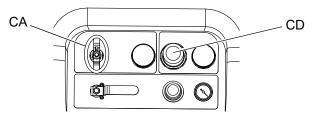


scroll through:

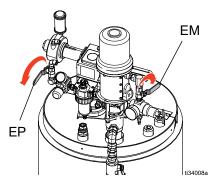




Turn on the main air shutoff valve (CA). Use system air regulator (CD) to slowly increase the air pressure to the pumps until they start running slowly.



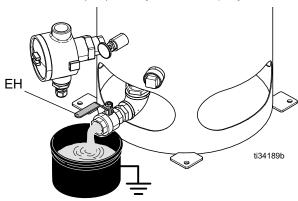
10. Run feed pumps until they are dry. Turn off the feed pump air valve (EM) and agitator air valve (EP).



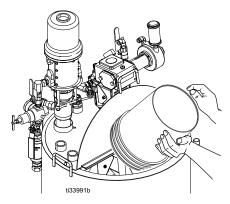
11. Run the main high pressure fluid pumps until the material has been emptied out of the system, press



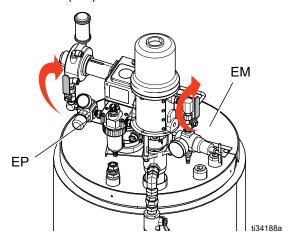
12. Place a small pail under the hopper and open the material drain (EH) to fully drain the spray material.



13. Close the material drain (EH) and fill the hopper with solvent.



- 14. Return the circulation lines (U) to their respective hoppers.
- 15. Open on the agitator air valve (EP) and feed pump air valve (EM).



16. Select pumps to recirculate by pressing ATB to



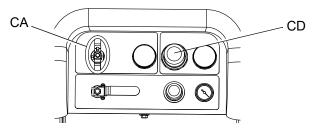
scroll through:



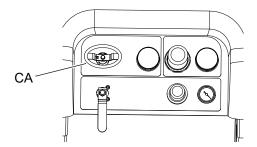


17. Turn on the main air shutoff valve (CA). Use the system air regulator (CD) to slowly increase the air pressure to the pumps until they start running slowly. Circulate for two to three minutes.

18. Drain the material by moving circulation lines to a waste container or using the material drain (EH).



- 19. Repeat steps 13-18. Change the flushing solvent until it runs clean.
- 20. Turn off the main air shutoff valve (CA).



Empty and Flush Entire System (new sprayer or end of job)



To avoid fire and explosion, always ground equipment and waste container. To avoid static sparking and injury from splashing, always flush at the lowest possible pressure.

Hot solvent may ignite. To avoid fire and explosion:

- Flush equipment only in well-ventilated area.
- Ensure main power is off and heater is cool before flushing.
- Do not turn on heater until fluid lines are clear of solvent.

NOTE:

- If system includes heaters and heated hose, turn them off and allow to cool before flushing. Do not turn on heaters until fluid lines are clear of solvent.
- Use the lowest possible pressure when flushing to avoid splashing.
- Before color change or shutdown for storage, flush at a higher flow rate and for a longer time.
- To flush only mix manifold, follow the Flush Mixed Manifold, Hose, and Spray Gun procedure on page 18.

Guidelines

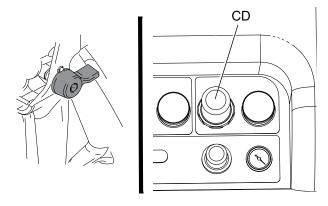
Flush new systems if coating materials will be contaminated by 10W oil.

Flush system when any of the following situations occur. Flushing will help prevent materials from clogging the line between hoppers and pump inlets.

- Anytime sprayer will not be used for more than one week
- If materials used will settle
- If using thixotropic resins that require agitation

Procedure

1. Follow Pressure Relief Procedure, page 17, and Flush Mixed Manifold, Hose, and Spray Gun procedure on page 18. Engage trigger lock. Turn main pump air regulator (CD) fully counter-clockwise to shut off.



NOTE: When flushing coating materials, remove pump fluid filters, if installed, and soak in solvent to decrease cleaning time. If flushing a new system, leave filters in place. Proceed with Step 2.

- 2. Move circulation return lines to separate fluid containers to pump remaining fluid out of system.
- 3. Increase main pump air regulator (CD) pressure to 30 psi (21 kPa, 2.1 bar).



When running pumps independently set to are or



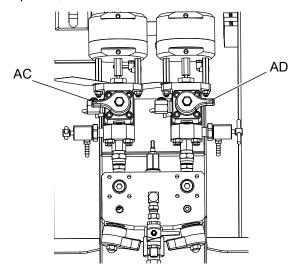






NOTE: If sprayer does not start with static pressure, increase air pressure by 10 psi (69 kPa, 0.7 bar) increments. To avoid splashing do not exceed 40 psi (28 kPa, 2.8 bar).

 Open recirculation valves (AC, AD) for respective pump dispense side. Run pumps until the A and B hoppers are empty. Salvage the material in separate, clean containers.



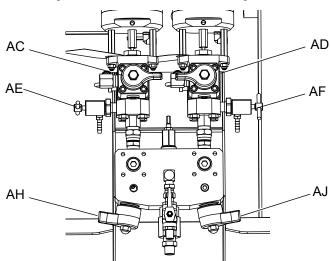
NOTE: When priming or flushing the pumps, it is normal to get cavitation or pump runaway alarms. Clear the

alarms , and press again as necessary.

These alarms prevent excessive pump speeds that can damage pump packings.

- 6. Wipe hoppers clean, then add solvent to each. Move circulation lines to waste containers.
- 7. Repeat Step 4 to flush through each side until clean solvent exits recirculation hose.
- 8. Press . Move recirculation hoses back to hoppers. Continue recirculating until system is thoroughly flushed.

9. Close recirculation valves (AC, AD) and open mix manifold valves (AH, AJ). Dispense fresh solvent through mix manifold valves and out gun.



- 10. Close mix manifold valves (AH, AJ).
- 11. Slowly open sampling valves (AE, AF) to flush solvent through until clean. Close sampling valves.

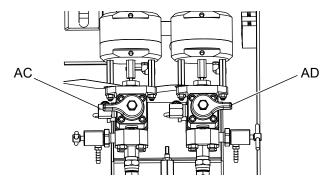


- 12. Follow the **Park Fluid Pump Rods** procedure, page 24.
- Remove pump fluid filters, if installed, and soak in solvent. Clean and replace filter cap. Clean filter o-rings and leave out to dry. Do not leave o-rings in solvent.
- 14. Close main air valve (E).

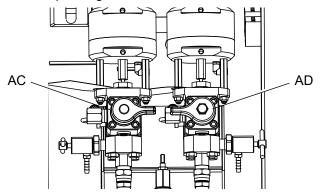
NOTE: Fill A and B pump packing nuts with TSL. Also, always leave some type of fluid, such as solvent or oil, in the system to prevent scale build up. This build up can flake off later. Do not use water.

Park Fluid Pump Rods

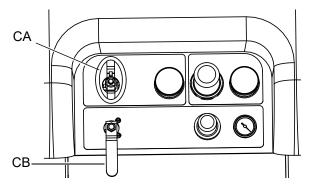
- Relieve pressure. Follow Pressure Relief Procedure, page 17.
- 2. Press
- Turn recirculation valves (AC, AD) counter clockwise to open them. Each pump will run through recirculation until they reach the bottom stroke, and then stop.



4. When each blue pump LED turns off, close the corresponding circulation valve.



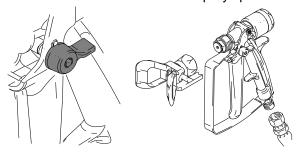
5. Shut off main pump air valve (CA) and air supply to entire system.



Shutdown Entire System

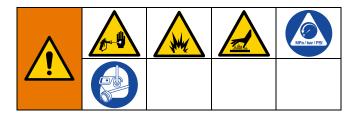
Follow this procedure prior to servicing equipment or shutdown.

- 1. Follow Flush Mixed Manifold, Hose, and Spray Gun, page 18.
- Engage trigger lock, turn off air regulator, and close main air shutoff valve. Remove spray tip.



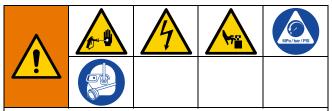
- 3. If the unit will be shut down for more than 24 hours:
 - Perform the **Park Fluid Pump Rods** procedure.
 - Cap fluid outlets to keep solvent in the lines.
 - Fill pump A and B packing nuts with throat seal liquid (TSL).
- 4. If the unit will be shut down for more than one week, follow **Empty and Flush Entire System (new sprayer or end of job)** on page 22.

Cleaning Procedure



- 1. Ensure all equipment is grounded. Follow the **Grounding** procedure on page 15.
- 2. Ensure the area where the sprayer will be cleaned is well ventilated; and remove all ignition sources.
- 3. Turn off all heaters and allow equipment to cool.
- Flush mixed material. Follow the Flush Mixed Manifold, Hose, and Spray Gun procedure on page 18.
- 5. Relieve pressure. Follow the **Pressure Relief Procedure** on page 17.
- 6. Shutdown sprayer and turn off all power. Follow the **Park Fluid Pump Rods** procedure on page 24.
- 7. Clean external surfaces using only a rag soaked in solvent that is compatible with the spray material and the surfaces being cleaned.
- 8. Allow enough time for solvent to dry before using sprayer.

Troubleshooting



To avoid injury due to unexpected machine operation initiated by a remote controller, disconnect the customer I/O cable from the system prior to troubleshooting.

This equipment stays pressurized until pressure is manually relieved. To help prevent serious injury from pressurized fluid, such as skin injection, splashing fluid and moving parts, follow the **Pressure Relief Procedure** on page 17 when you stop pumping and before cleaning, checking or servicing the equipment.

NOTE: The sprayer operates using air pressure. Many problems are caused by inadequate air supply. The inlet air pressure gauge cannot drop below 50 psi (0.35 MPa, 3.5 bar) while running.

NOTE: If an error code displays, see manual XM sprayer operation manual.

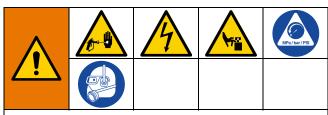
- Follow Pressure Relief Procedure, page 17, before checking or repairing the gun.
- 2. Check all possible problems and causes before disassembling gun.

Problem	Cause	Solution				
Display not lit on system with	Air valve not turned on.	Turn on main air valve to system.				
alternator power supply. No electric power.	Air supply pressure too low.	Increase pressure to 30 psi (0.21 MPa, 2.1 bar) or greater.				
No electric power.	Air supply filters plugged. Inlet manifold filter (604) or air regulator (344) filter plugged.	Clean filter bowls; replace filter elements. Page 29.				
	Turbine air regulator (277) set too low.	Adjust to 18 +/- 1 psi (12.6 +/- 10 kPa, 1.26 + 0.07 bar).				
	Alternator turbine failure.	Repair or replace turbine. Page 36.				
	Power supply not connected to main board.	Check power connections to main board. See Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1), starting on page 51.				
	Display board failure.	Replace display board. Page 34.				
Display not lit on system with alternator power. Green light is	Faulty CAN cable (268). Or CAN cable is disconnected.	Check cable and replace. See Alternator Assembly, page 84.				
present on FCM (218) and USB (219), but no green light is present on back of display module (204).	Faulty display module.	Replace display module. See User Interface/ Control Box , page 30.				

Problem	Cause	Solution
Display not lit on system with wall power supply. No green light present on back of display module (204).	No electric power. Disconnect "off" or breaker "open."	Reset main disconnect and breaker.
	No green lights present on display, FCM, or USB module.	Check for 24 Vdc on J1, pins 2 and 3, of power supply. See Detailed Electrical Schematic , XM Sprayer with Wall Power (page 1) , starting on page 51. If there is not 24 Vdc, replace with 15V747.
	No display power through CAN cable (266). Green light in present on FCM (218), but is not present on USB module (219).	Check CAN cable. Replace if necessary. See Wall Power Supply Assembly, page 85.
	Green light is present on USB module (219).	Check CAN cable (274). Replace if necessary. See Wall Power Supply Assembly , page 85.
Display not lit on system with wall power supply. Green light is present on back of display module (204).	Display module failed.	Replace display module. See User Interface/Control Box, page 30.
Pumps do not run when Run Mode is selected and the blue LED is illuminated.	Air pressure to pumps too low.	Increase pressure to 50 psi (0.35 MPa, 3.5 bar) or greater.
	Air pilot lines are obstructed.	Check pilot lines for kinks or pinches.
	Solenoid valve stuck.	Actuate solenoid manually, if it does not operate, replace solenoid. Page 30.
	Air pilot valve(s) to motor stuck.	Replace valve(s). Page 40.
	Metering valve(s) not opening.	Service or replace valve(s). Page 40.
	Air motor stalled.	See air motor manual.
Pump Test completes without error, but A or B component has more than 750cc of fluid in beaker.	Incorrect pumps were selected in System Setup screens.	See Appendix A, in your XM sprayer operation manual.
	Air is trapped in fluid due to excessive agitation, circulation, and heat. Fluid is measured by volume when it is compressed under pressure.	Repeat Pump Test with fresh fluid.
		If the specific gravity of each fluid is known, check samples by weight (750cc x specific gravity equals weight in grams).
		If weight is correct, extra volume in beaker is air.
Batch Test completes without error, but A or B component has more fluid in beaker than displayed on screen.	See causes for previous pump test problem.	See solutions for previous pump test problem.
Sprayer does not start when start button is pressed.	Faulty start switch or wire harness.	Check start switch and wiring harness continuity; switch is normally open circuit.
		See Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1), starting on page 51.
	Faulty stop switch or wiring harness.	Check stop switch and wiring harness continuity; stop switch is normally closed circuit. See Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1), starting on page 51.
Fluid valves leaking.	Loose or worn packings.	Tighten packing nut. If leak continues, replace packings.

Problem	Cause	Solution
Paint does not cure consistently.	Ratio not set correctly.	Check that correct ratio is set and set by volume. See XM sprayer operation manual.
	Material not mixing correctly.	Test pump. Make sure mixer is clean; flush as needed. See XM sprayer operation manual.
		Position mixer after integrator hose.
	Material not properly conditioned before it was added to sprayer.	Mix material thoroughly.
	Not using enough integration hose.	Add more integration hose.
		Select "fast dosing" in setup.
Poor spray pattern.	Fluid pressure too low.	Increase pump pressure.
	Fluid temperature too low.	Increase fluid temperature.
	Spay tip dirty or worn.	Relieve pressure. Clean or replace tip. Follow gun manual instructions.
	Fluid A and B fitters plugged.	Clean filters. See pump manual.
	Mixer hoses partially plugged or too restrictive.	Inspect parts for cured material. Clean or replace, or use larger hoses and mixer.

Repair



To avoid injury due to unexpected machine operation initiated by a remote controller, disconnect the customer I/O cable from the system prior to repair.

This equipment stays pressurized until pressure is manually relieved. To help prevent serious injury from pressurized fluid, such as skin injection, splashing fluid and moving parts, follow the **Pressure Relief Procedure** on page 17 and disconnect power from the system before repairing the equipment.

Follow **Park Fluid Pump Rods** procedure, page 24, if service time may exceed pot life time, before servicing fluid components, and before transporting sprayer to a service area.

Replace Air Filter Element

There are two air filters on the system: the inlet air regulator filter on the air controls and the main air inlet manifold filter. Check filters weekly and replace element as needed.





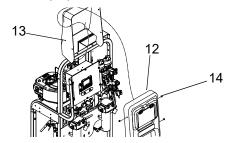




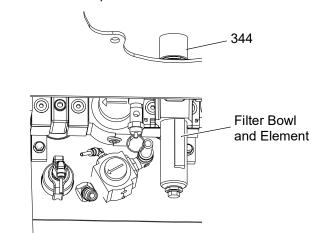
Removing a pressurized air filter bowl could cause serious injury. Do not service air filter until air line is depressurized.

Control Air Regulator Filter

- 1. Close main air shutoff valve on air supply line and on unit. Depressurize air line.
- 2. Remove front and rear shrouds (12, 13). Remove four nuts (14) and then shrouds.



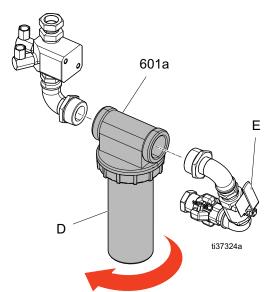
- 3. Unscrew filter bowl from inlet air regulator (344).
- 4. Remove and replace element.



5. Screw filter bowl on securely.

Main Air Inlet Manifold Filter

- 1. Close main air shutoff valve on air supply line and main air valve (E) on unit. Depressurize air line.
- 2. Unscrew filter bowl (D) from main air valve (E).
- Remove and replace filter element (601a). See Air Inlet Manifold (26C689) Parts, page 88.



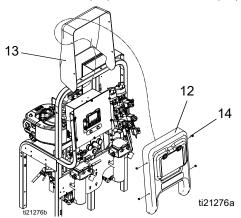
- 4. Reassemble filter bowl.
- 5. Replace front and rear shrouds (12, 13) using four nuts (14).

User Interface/Control Box

NOTE: This section covers all components included in the wall power supply control box option and the intrinsically safe pneumatic power supply control box option.

Remove Shroud

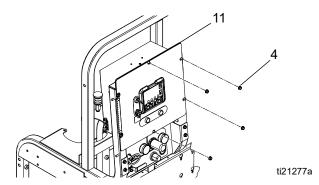
- 1. Close main air shutoff valve on air supply line and on system.
- Remove shrouds (12, 13) covering control box.
 Remove four nuts (14) and front shroud (12) first.



Replace Solenoid Module

Follow this procedure to replace a single solenoid

- 1. Remove shroud. See Remove Shroud.
- 2. Disconnect power.
- 3. Remove four nuts (4). Leave two nuts on left side of panel tight. Open front panel of control box (11).

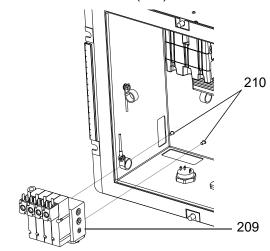


4. Disconnect solenoid cable connectors (242) from solenoids.

5. Disconnect air tubing from solenoid manifold block (209).

NOTE: If your sprayer is an intrinsically safe model, you will need to remove the alternator air regulator from the solenoid module. See **Replace Alternator Regulator**, page 37, for removal instructions.

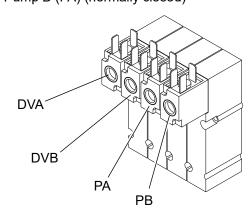
6. Remove two screws (210).



- 7. Remove and replace solenoid (209).
- 8. Reassemble screws (210) and solenoid cable connectors (242).

NOTE: From left to right, solenoid functions are as follows:

- Dosing valve A (DVA) (normally open)
- Dosing valve B (DVB) (normally open)
- Pump A (PA) (normally closed)
- Pump B (PA) (normally closed)



Update USB Module Software

- 1. Remove shroud. See Remove Shroud.
- Use software token (206), shown on page 33. See Graco Control Architecture[™] Module Programming manual for instructions.

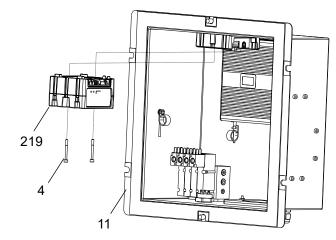
NOTE: Upgrade all modules in the system to the software version on the token, even if you are replacing only one or two modules. Different software versions may not be compatible.

All data in the module may be reset to factory default settings. Record all settings and user preferences before the upgrade, for ease of restoring them following the upgrade.

The latest software version for each system can be found at Tech Support at www.graco.com.

Replace USB Module

- 1. Remove shroud. See Remove Shroud.
- 2. Disconnect power.
- 3. Remove four nuts (4); leave two nuts on left side of panel tight. Open front panel of control box (11).
- 4. Disconnect CAN cables and USB cable from USB module (219).
- Remove two mounting screws from USB module and remove module from base.



- Follow steps in reverse order to install new USB module.
- 7. Load software. See **Update USB Module**Software.

Update Fluid Control Module (FCM) Software

- Remove shroud. See Remove Shroud.
- Use software token (206). See Graco Control Architecture[™] Module Programming manual for instructions.

NOTE: Upgrade all modules in the system to the software version on the token, even if you are replacing only one or two modules. Different software versions may not be compatible.

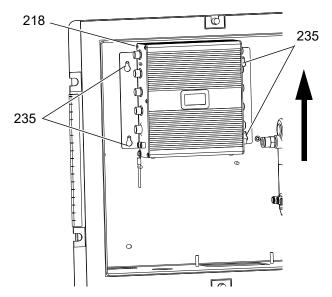
All data in the module may be reset to factory default settings. Record all settings and user preferences before the upgrade, for ease of restoring them following the upgrade.

The latest software version for each system can be found at Tech Support at www.graco.com.

Replace Fluid Control Module (FCM)

NOTE: The USB module does not need to be removed prior to replacing the FCM.

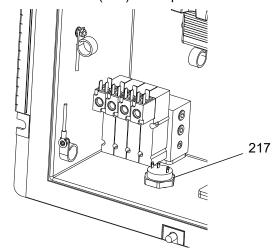
- 1. Remove shroud. See Remove Shroud.
- Disconnect power.
- 3. Remove four nuts (4); leave two nuts on left side of panel tight. Open front panel of control box (11).
- 4. Remove all cables from FCM (218). Take note of cable locations.
- 5. Loosen four mounting screws (235).



- 6. Slide FCM up and out of keyhole slots.
- 7. Follow steps in reverse order to install new FCM.
- 8. Load software. See **Update Fluid Control Module** (FCM) Software.
- Most of the system configuration is stored in the FCM. Use the display to change the configuration to the values in the old FCM. See XM plural-component operation manual for instructions.

Replace Alarm

- 1. Remove shroud. See Remove Shroud.
- 2. Disconnect power.
- 3. Remove four nuts (4); leave two nuts on left side of panel tight. Open front panel of control box (11).
- 4. Disconnect alarm wires from alarm (217).
- 5. Unscrew alarm (217) and replace.



- 6. Screw in new alarm. Reconnect alarm wires. Refer to **Parts**, page 59.
- 7. Reassemble air control front shroud (12).

Display

Upgrade Software



Do not upgrade software when an explosive gas atmosphere may be present.

NOTICE

To avoid damaging circuit board, wear a grounding strap.

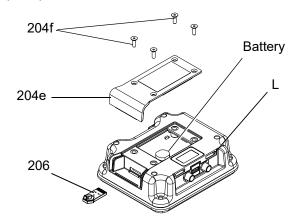
Use software token (206). See Graco Control Architecture [™] Module Programming manual for instructions.

NOTE: Upgrade all modules in the system to the software version on the token, even if you are replacing only one or two modules. Different software versions may not be compatible.

All data in the module may be reset to factory default settings. Record all settings and user preferences before the upgrade, for ease of restoring them following the upgrade.

The latest software version for each system can be found at Tech Support at www.graco.com.

- 1. Remove shroud. See Remove Shroud.
- 2. Disconnect power.
- 3. Remove four nuts (4); leave two nuts on left side of panel tight. Open front panel of control box (11).
- 4. Remove four screws (204f) and then access cover (204e).



5. Insert and press token (206) firmly into slot.

NOTE: There is no preferred orientation of token.

- 6. Turn power on.
- 7. The red indicator light (L) will flash until new software is completely loaded.
- 8. Turn power off.
- 9. Remove token (206).
- 10. Reassemble access cover (204e) and screws (204f).

Replace Display Battery





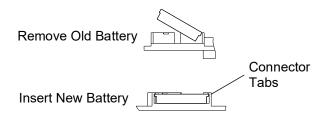


Do not replace battery when an explosive gas atmosphere may be present.

NOTICE

To avoid damaging circuit board, wear a grounding strap.

- 1. Perform steps 1-4 under **Upgrade Software** section, page 33.
- 2. Use a flat head screwdriver to pry out old battery.



3. Replace with new battery. Ensure battery fits under connector tabs before snapping other end in place.

NOTE: Use only Panasonic CR2032 batteries for replacement.

4. Reassemble access cover (204e) and screws (204f).

Replace Display

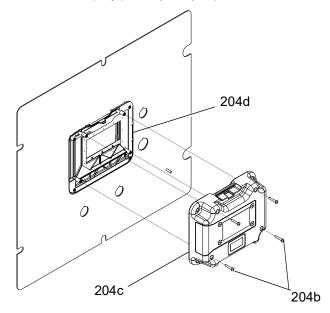
NOTE: Order kit 257484 for replacement.

NOTICE

To avoid damaging circuit board, wear a grounding strap.

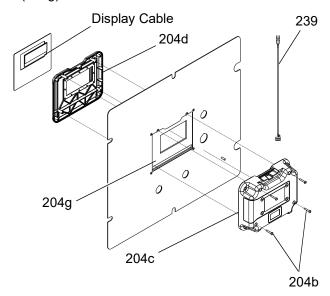
- Remove shroud. See Remove Shroud.
- 2. Disconnect power.
- 3. Remove four nuts (4); leave two nuts on left side of panel tight. Open front panel of control box (11).
- 4. Disconnect CAN cable from display module.
- 5. Remove four screws (204b) from rear display panel (204c) while holding front display panel (204d) in place.

NOTE: To ease removal process use clear tape to hold front display panel (204d) in place.



6. Remove rear display panel (204c) and disconnect display cable and key switch cable (239) from circuit board.

7. Remove front display panel (204d) and gasket (204g).



- 8. Discard old display assembly.
- 9. Place new front display panel (204d) and gasket (204g) on front panel of control box (11).

NOTE: To ease installation process use clear tape to hold front display panel in place.

- Carefully connect display cables and key switch cable to new circuit board.
- 11. Install new rear display panel (204c) and secure with four screws (204b). Ensure key switch cable protrudes from opening in top of display module.
- 12. Install access cover and screws. Apply warning label to access cover.
- 13. Reconnect CAN cable to display module.
- 14. Reconnect power.
- 15. Load software. See Upgrade Software, 33.
- 16. Replace shroud.
- Configure system settings as they were set on old display. See your XM sprayer operation manual for instructions.

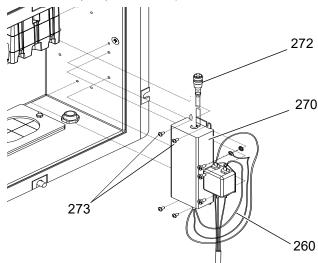
Replace Front Panel

See Replace Display, page 34, for instructions

Wall Power Supply Control Components

Replace Power Supply Module

- 1. Remove shroud. See Remove Shroud.
- Disconnect main power.
- 3. Remove four nuts (4); leave two nuts on left side of panel tight. Open front panel of control box (11).
- 4. Disconnect incoming power cable connections to power supply module and ground lead (260) from control box.
- 5. Disconnect power supply cable (272) from FCM (218). See **Fluid Control Assembly** on page 40.
- 6. Remove four screws (273) holding power supply module (270) bracket in place.



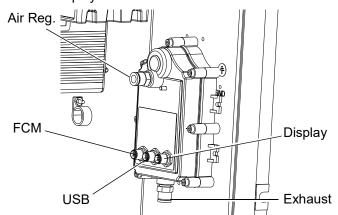
- 7. Remove and replace power supply module (270).
- 8. Follow steps in reverse order to install new power supply module.

Alternator Power Supply Control Components

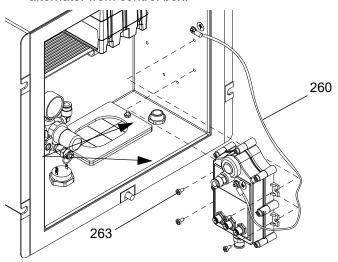
Alternator Module Repair

Alternator Repair Kit 257147 is available to replace turbine bearings.

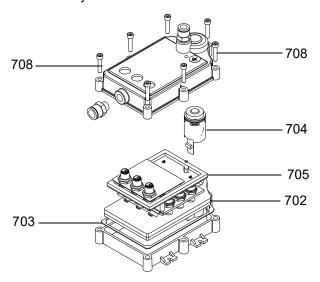
- 1. Remove shroud. See Remove Shroud.
- 2. Disconnect main power.
- 3. Remove four nuts (4); leave two nuts on left side of panel tight. Open front panel of control box (11).
- 4. Disconnect output power cable connections from alternator module and ground lead from control box.
- 5. Disconnect power supply cables from FCM, USB, and display.



- 6. Disconnect air regulator air line and exhaust air line.
- 7. Remove four screws (263) from mounting to remove alternator from control box.



- 8. Remove seven screws (708) to separate alternator housings.
- Replace turbine (704) if necessary. Lightly lubricate turbine o-ring to ease alternator housing reassembly.



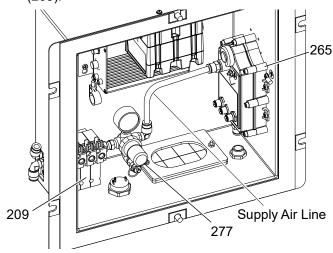
- 10. Replace gasket (702) and/or circuit board assembly (705) if damaged.
- Follow steps in reverse order to reassemble alternator regulator assembly and to reconnect power cables and air lines. Refer to **Parts**, page 59.

NOTE: Avoid causing a kink in the flexible circuit board when you reconnect the circuit board assembly (705).

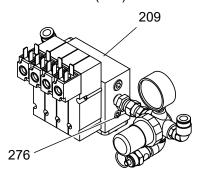
 Start machine. Check control voltage on Alarm information screen. Voltage should be between 10-14 Vdc.

Replace Alternator Regulator

- 1. Remove shroud. See **Remove Shroud**, page 30
- 2. Disconnect main power.
- 3. Remove four nuts (4); leave two nuts on left side of panel tight. Open front panel of control box (11).
- 4. Disconnect supply air line from alternator assembly (265).



5. Loosen air regulator swivel fitting (276) and remove from solenoid module (209).



- Repair or replace alternator regulator parts as necessary. See Alternator Assembly, page 84, for repair parts. Replace air regulator swivel fitting (276).
- 7. Set regulator to 18 +/- 1 psi (12.6 +/- 10 kPa, 1.26 +/- 0.07 bar).
- 8. Start machine. Check voltage on the alarm information screen. Voltage should be between 10-14 volts.

Air Controls

Remove Air Control Assembly

- 1. Remove shroud. See Remove Shroud, page 30.
- 2. Disconnect air motor air lines and system air line.
- Remove four nuts (7) from front of air control bracket (301). See XM Plural-Component Sprayers Common Parts on page 74.
- 4. Pull out assembly.
- Follow steps in reverse order to reinstall air control assembly.

Replace Solvent Pump Ball Valve

- Remove shroud. See Remove Shroud, page 30.
- 2. Disconnect air motor air lines and system air line.
- 3. Remove four nuts (7) from front of air control bracket (301).
- 4. Pull out assembly.
- 5. Remove two screws (329) from front of air control bracket (301).
- 6. Disconnect air line (333) running to ball valve assembly (328).
- 7. Replace with new ball valve assembly. See **Air Controls Module (26C688) Parts**, page 86.
- 8. Follow steps in reverse order to reassemble.

Replace Solvent Air Regulator

- 1. Remove shroud. See Remove Shroud, page 30.
- 2. Disconnect air motor air lines and system air line.
- 3. Remove four nuts (7) from front of air control bracket (301).
- 4. Pull out assembly.
- 5. Remove regulator nut (331), and disconnect air lines (327, 333) running to regulator (322).
- Remove regulator assembly and replace with new.
 See Air Controls Module (26C688) Parts, page 86
- 7. Follow steps in reverse order to reassemble.

Replace System Air Regulator

- 1. Remove shroud. See Remove Shroud, page 30.
- 2. Disconnect air motor air lines and system air line.
- 3. Remove four nuts (7) from front of air control bracket (301).
- 4. Pull out assembly.
- Remove regulator nut (326) and disconnect system air line.
- 6. Remove the T-handle on ball valve (337).
- 7. Remove four nuts (320) from the back of the air controls to remove the air control assembly.
- 8. Remove regulator assembly (345) from manifold (303, 305) and replace. See **Air Controls Module** (26C688) Parts, page 86.
- 9. Follow steps in reverse order to reassemble.

Replace Solenoid Inlet Air Regulator

- 1. Remove shroud. See Remove Shroud, page 30.
- 2. Disconnect air motor air lines and system air line.
- 3. Remove four nuts (7) from front of air control bracket (301).
- 4. Pull out assembly.
- 5. Disconnect air line.
- 6. Remove the T-handle on ball valve (337).
- 7. Remove four nuts (320) from the back of the air controls to remove the air control assembly.
- 8. Remove regulator assembly (309) from swivel union (304) and replace with new. See **Air Controls Module (26C688) Parts**, page 86.
- 9. Follow steps in reverse order to reassemble.
- 10. Set new air pressure regulator to 80-85 psi.(0.55-0.58 MPa, 5.5-5.8 bar).

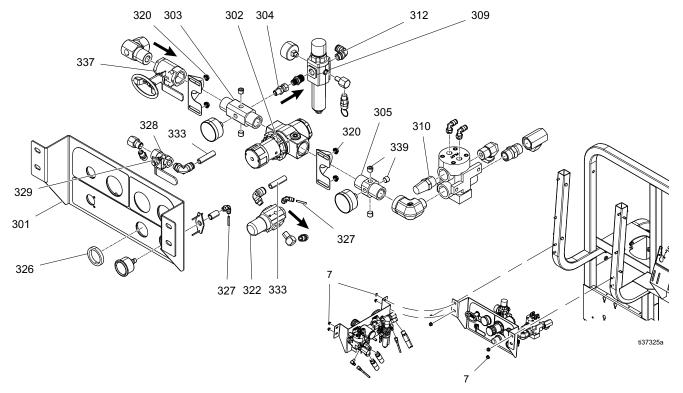
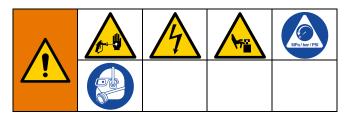


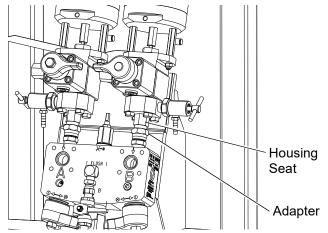
Fig. 1 Air Controls

Fluid Control Assembly

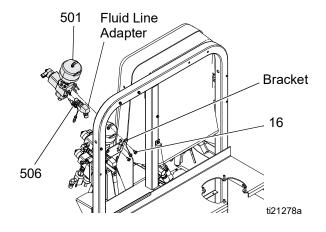


Dosing Valve Assembly

- Follow Pressure Relief Procedure, page 17.
- Disconnect all fluid lines from dosing valve assembly (8). See XM Plural-Component Sprayers Common Parts on page 74.
- 3. Remove three bolts (16) on back of each dosing valve (501) from bracket.
- Unscrew dosing valve housing seats from adapters on mix manifold.



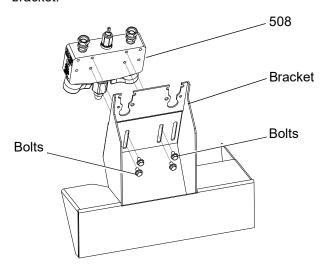
5. Disconnect RTD (506) from cord grip. Disconnect pressure sensor (507) and fluid line adapter from each dosing valve (501).



- 6. Remove dosing valves. See your dosing valve manual service and repair instructions.
- 7. Follow steps in reverse order to reassemble dosing valve assembly.

Mix Manifold Assembly

- 1. Follow Pressure Relief Procedure, page 17.
- 2. Disconnect fluid line and solvent lines from mix manifold assembly.
- 3. Loosen four bolts securing mix manifold (508) to bracket.

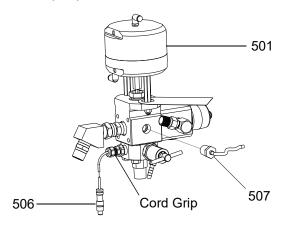


- 4. Unscrew dosing valve housing seats from adapters on mix manifold.
- Remove four bolts securing mix manifold (508) to bracket.
- Remove mix manifold assembly (508) from bracket.
 See mix manifold manual for service and repair instructions.
- 7. Follow steps in reverse order to reassemble mix manifold assembly.

Sensors

Replace Fluid Pressure Sensor

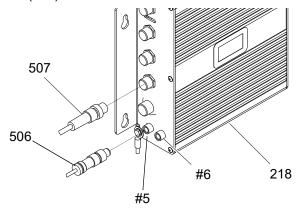
- 1. Close main air shutoff valve on air supply line and on system.
- 2. Relieve fluid pressure. See **Pressure Relief Procedure**, page 17.
- Open control box cover. See User Interface/Control Box, page 30.
- 4. Disconnect pressure sensor (507) from FCM (218).
- 5. Disconnect fluid pressure sensor (507) from dosing valve (501).



6. Replace with new fluid pressure sensor, and reconnect pressure sensor to FCM.

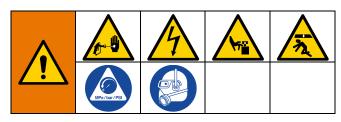
Temperature (RTD) Sensor

- Close main air shutoff valve on air supply line and on system.
- Relieve fluid pressure. See Pressure Relief Procedure, page 17.
- Open control box cover. See User Interface/Control Box, page 30.
- 4. Disconnect temperature sensors (506) from FCM (218).



- 5. Remove RTD (506) cable from cord grip.
- 6. Replace with new temperature (RTD) sensor.
- 7. Reassemble RTD cable (506) and cord grip.
- 8. Connect temperature (RTD) sensor to FCM connector #5. Do not use connect #6.
- 9. Close control box cover.

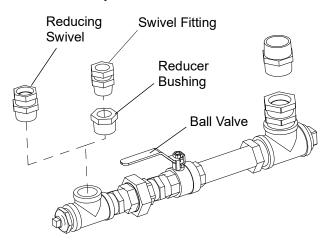
Pump Assembly



Prior to servicing the pump assembly you must first remove either the entire pump assembly or the displacement pump and air motor individually.

Remove Pump Assembly

- 1. Follow Pressure Relief Procedure, page 17.
- 2. Close ball valve on hopper outlet assembly.
- Disconnect displacement pump from fluid inlet assembly.
- 50:1 Pump: disconnect reducer bushing fitting from swivel fitting on fluid inlet assembly.
- 70:1 Pump: disconnect reducing swivel from fluid inlet assembly.



Refer to your Double Wall Stainless Steel Hopper manual to service or repair the fluid inlet assembly.

- 4. Disconnect air motor.
 - a. Disconnect sensor cable, air line, and ground wire from air motor.
 - Remove mounting screws (4) and washers (3) holding air motor (2) to mounting bracket. See illustration in **Remove Air Motor** section.
- 5. Remove pump assembly by lift ring on air motor.







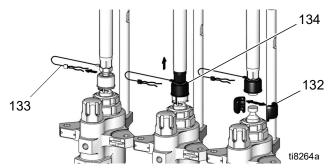
Do not lift pump assembly by the lift ring when the total weight of the pump assembly exceeds 550 lb (250 kg).

- Refer to your Xtreme Displacement Pump manual to service or repair the displacement pump. Refer to your XL Air Motor manual to service or repair the air motor.
- 7. Follow steps in reverse order to reinstall pump assembly.

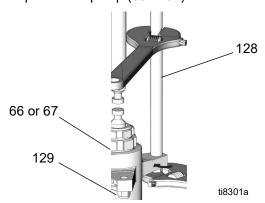
Remove Displacement Pump

Follow these instructions for removing only the displacement pump; the air motor will remain installed.

- 1. Follow Pressure Relief Procedure, page 17.
- 2. Disconnect displacement pump from fluid inlet assembly. See steps 2 and 3 under **Remove Pump Assembly**, page 42.
- 3. Remove clip (133), and slide coupling cover (134) up to remove coupling (132).



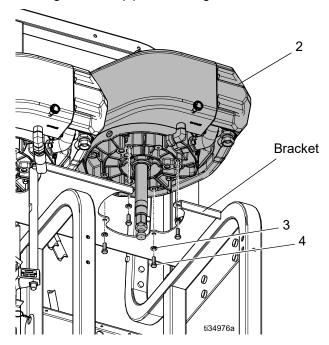
4. Use a wrench to hold the tie rod flats to keep the rods from turning. Unscrew the nuts (129) from the tie rods (128) and carefully remove the displacement pump (66 or 67).



- 5. Refer to your Xtreme Displacement Pump manual to service or repair the displacement pump.
- 6. Follow steps in reverse order to reinstall displacement pump.

Remove Air Motor

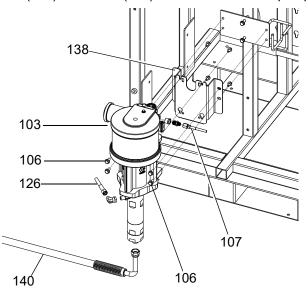
- 1. Follow Pressure Relief Procedure, page 17.
- 2. Disconnect displacement pump from air motor. See steps 2 and 3 under **Remove Displacement Pump**, page 43.
- 3. Disconnect sensor cable, air line, and ground wire from air motor.
- 4. Remove mounting screws (4) and washers (3) holding air motor (2) to mounting bracket.



- 5. Refer to your XL Air Motor manual to service or repair the air motor.
- 6. Follow steps in reverse order to reinstall air motor.

Solvent Pump

- 1. Follow Pressure Relief Procedure, page 17.
- 2. Disconnect fluid line (140) and air lines (107, 126) from solvent pump.
- 3. Remove four screws (106) that attach solvent pump (103) to bracket (138) and remove solvent pump.



- 4. Refer to your Merkur Pump Assembly manual to service or repair the solvent pump.
- 5. Follow steps in reverse order to reinstall solvent pump.

Fluid Heaters

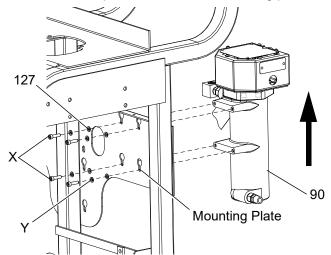
Wiring for explosion-proof heaters is not provided. See your Viscon HF or Viscon HP heater manual for wiring, repair, and parts information for explosion-proof heaters.

Service and Repair

- 1. Follow Pressure Relief Procedure, page 17.
- Disconnect fluid lines and electrical wiring from fluid heater.
- 3. Refer to your Viscon HF heater manual to service or repair heater.
- 4. Reconnect fluid lines and electrical wiring.

Replace

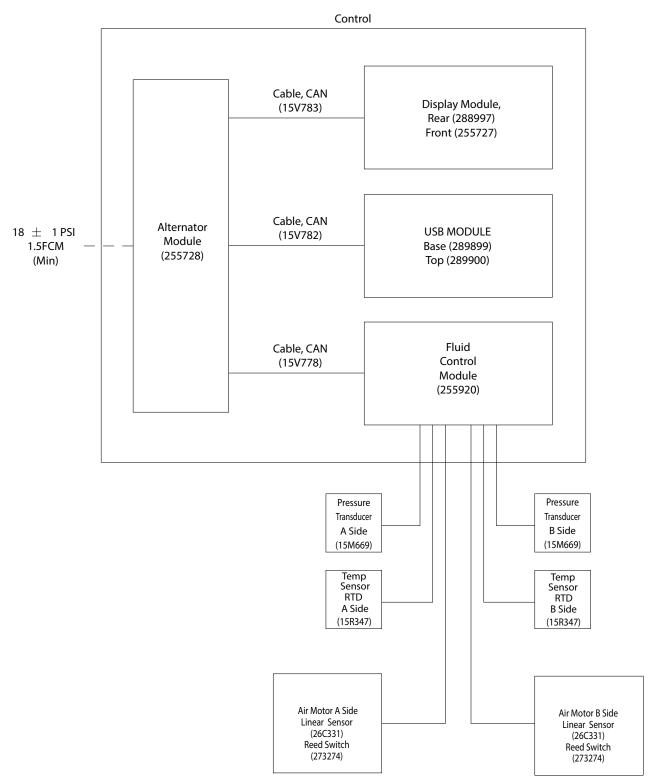
- 1. Follow steps 1 2 in Service and Repair.
- 2. Loosen four mounting screws (X), lock washers (Y), and plain washers (127) on back of heater (90). Slide heater up and remove from mounting plate.



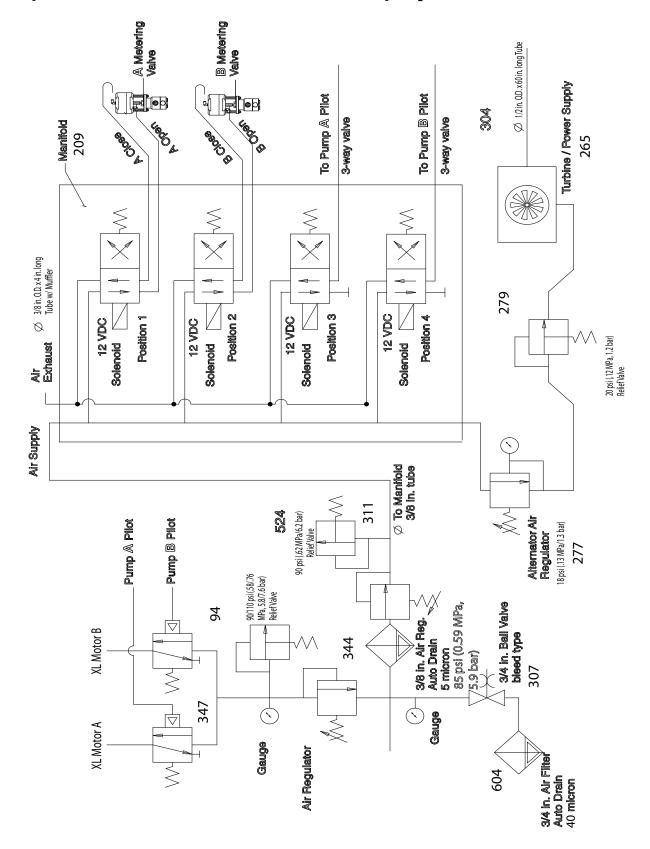
Replace heater. Follow steps in reverse order to install new heater.

Electrical Schematics

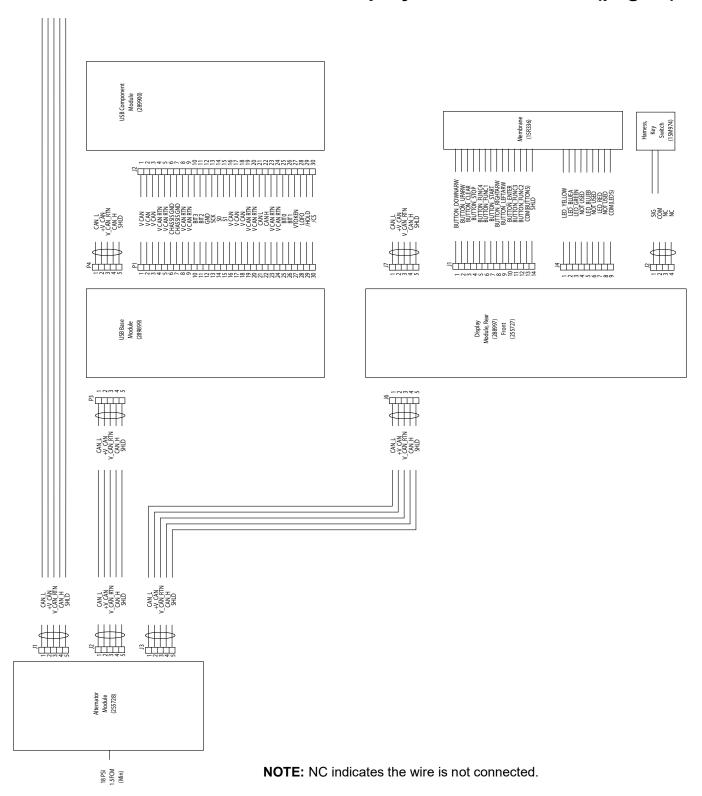
Simplified Electrical Schematic, XM Sprayer with Alternator



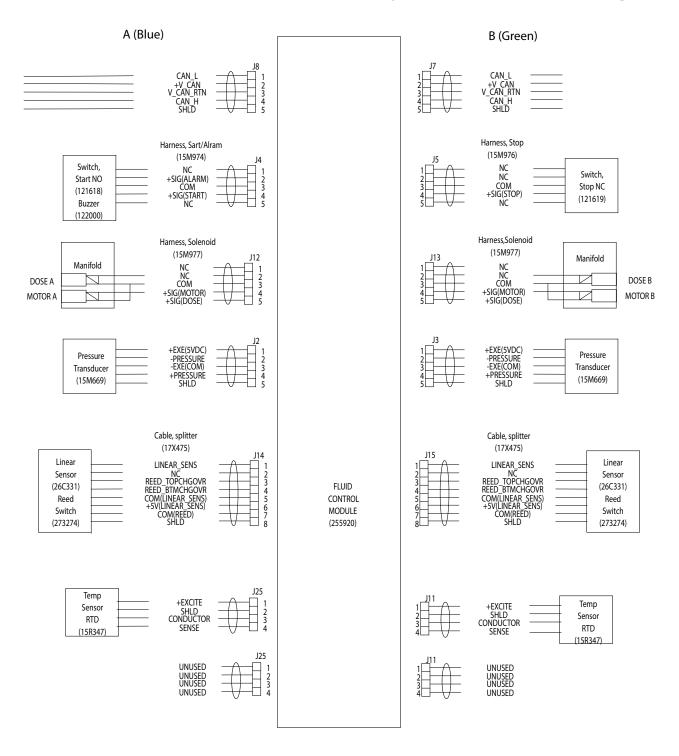
Simplified Pneumatic Schematic, XM Sprayer with Alternator



Detailed Electrical Schematic, XM Sprayer with Alternator (page 1)

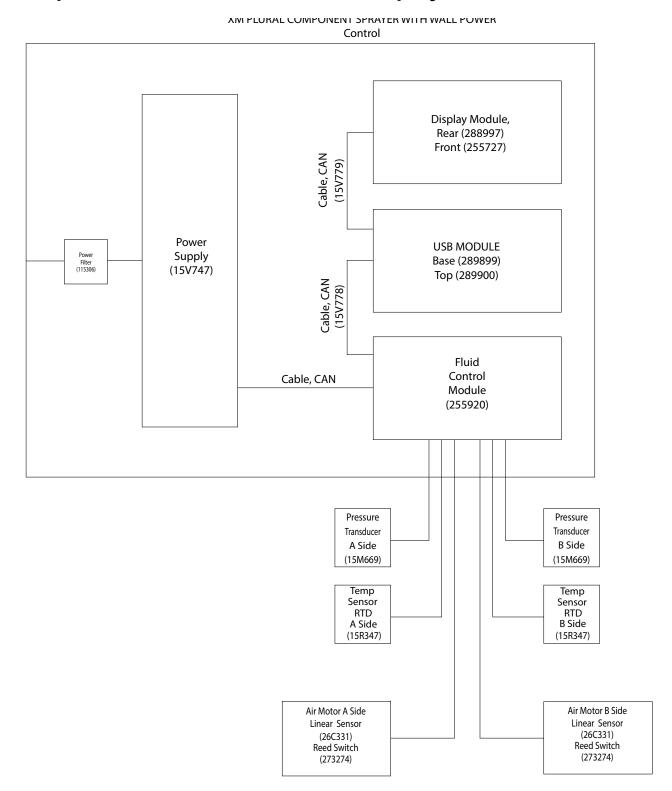


Detailed Electrical Schematic, XM Sprayer with Alternator (page 2)

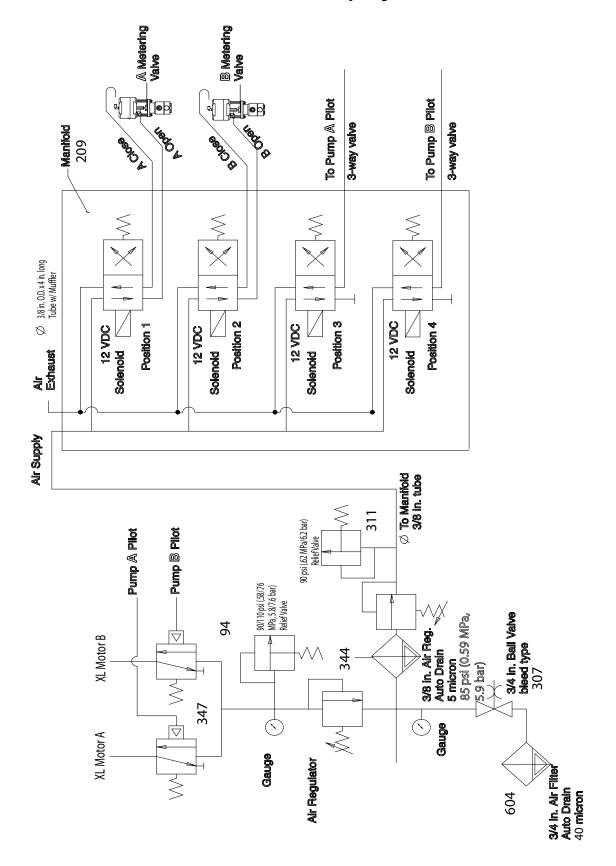


NOTE: NC indicates the wire is not connected.

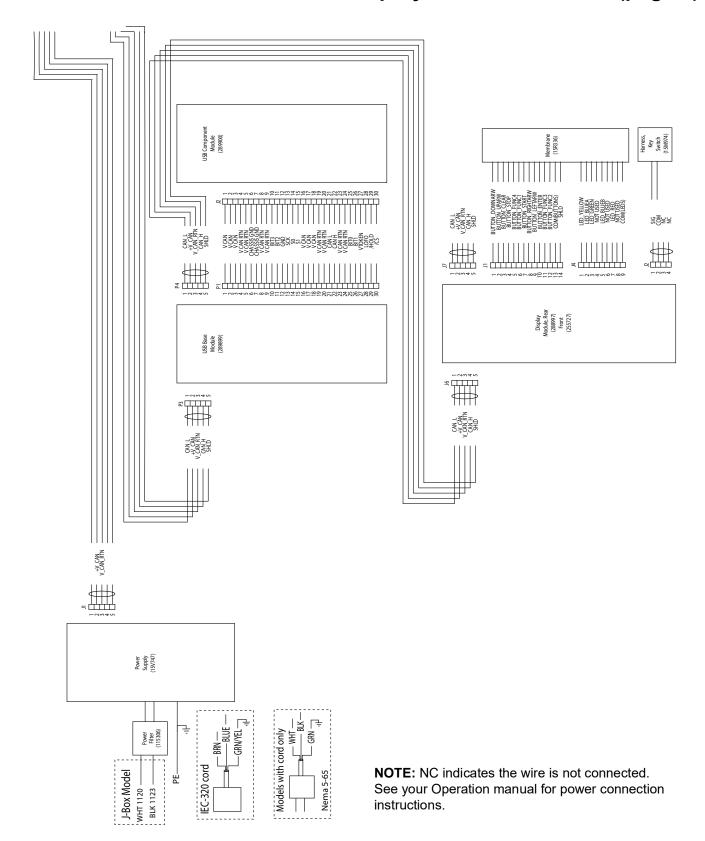
Simplified Electrical Schematic, XM Sprayer with Wall Power



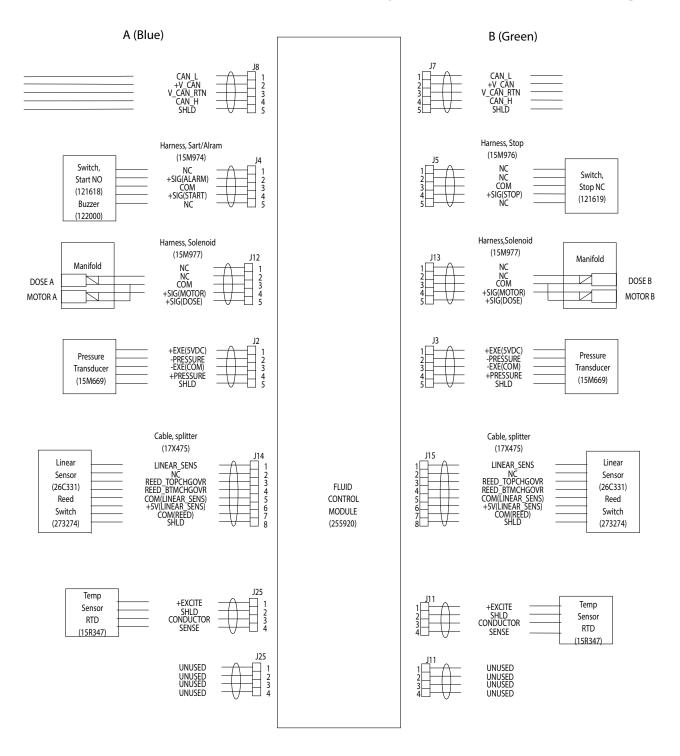
Simplified Pneumatic Schematic, XM Sprayer with Wall Power



Detailed Electrical Schematic, XM Sprayer with Wall Power (page 1)



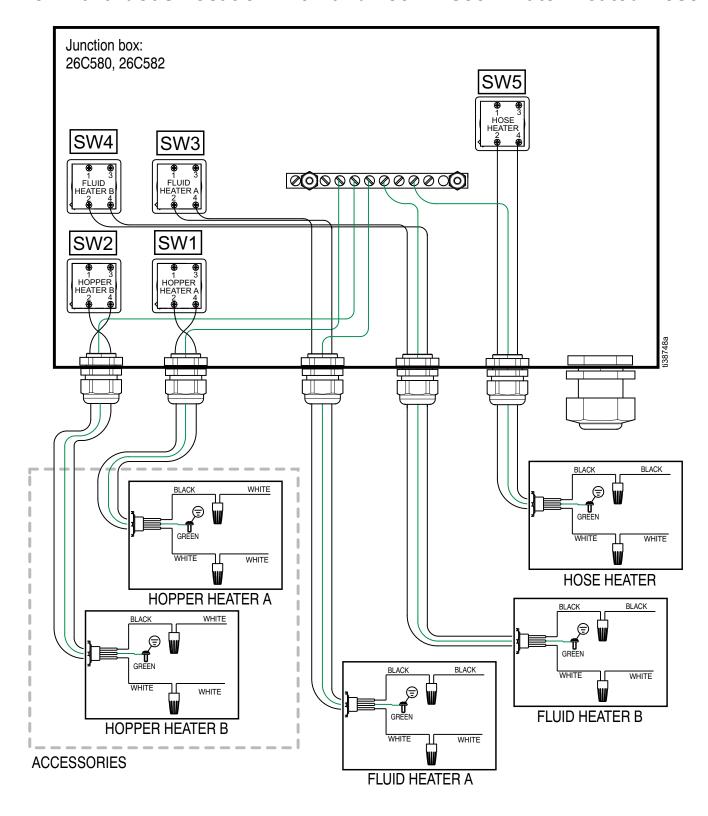
Detailed Electrical Schematic, XM Sprayer with Wall Power (page 2)



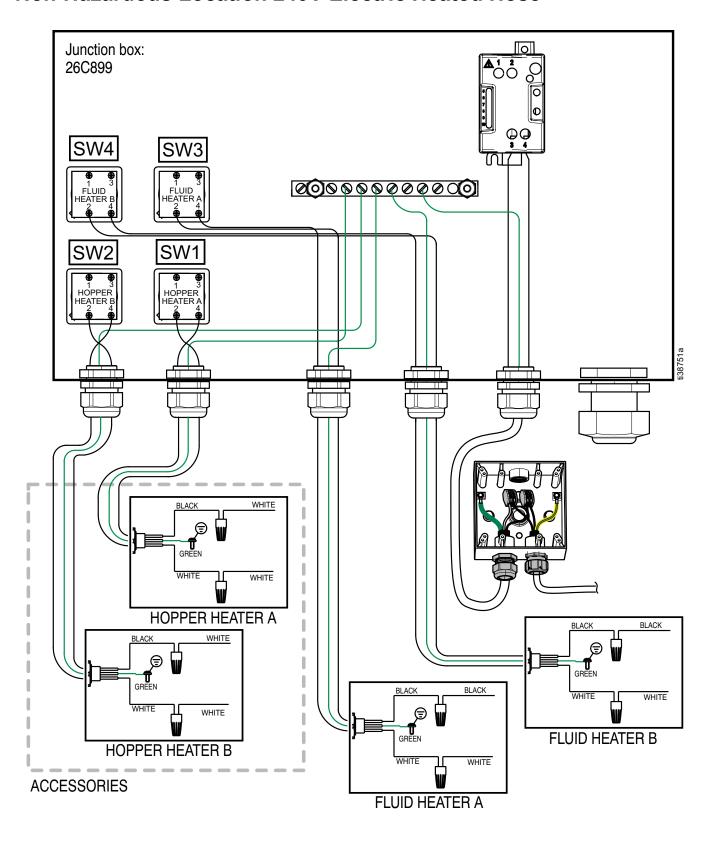
NOTE: NC indicates the wire is not connected.

Junction Box Wiring Schematics

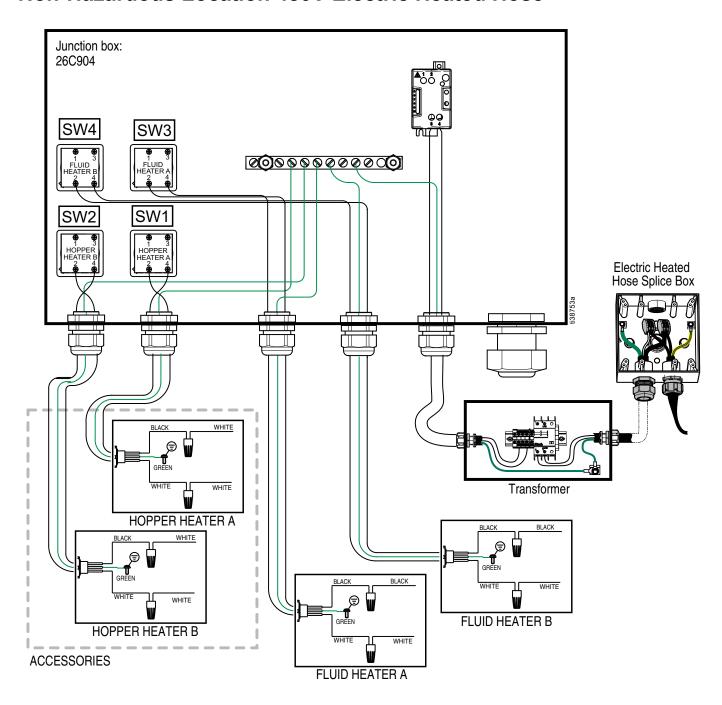
Non-Hazardous Location 240V and 480V Viscon Water Heated Hose



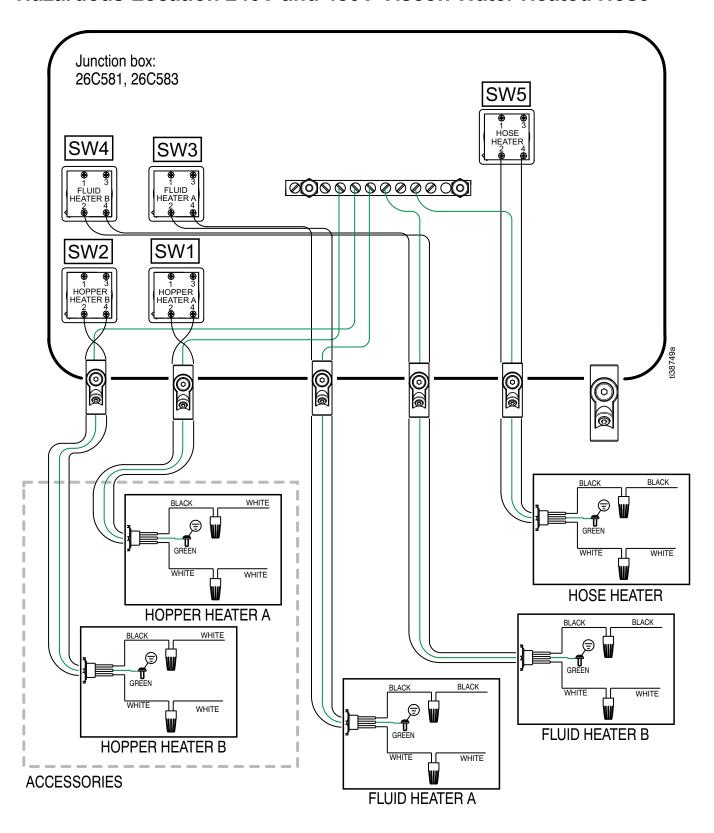
Non-Hazardous Location 240V Electric Heated Hose



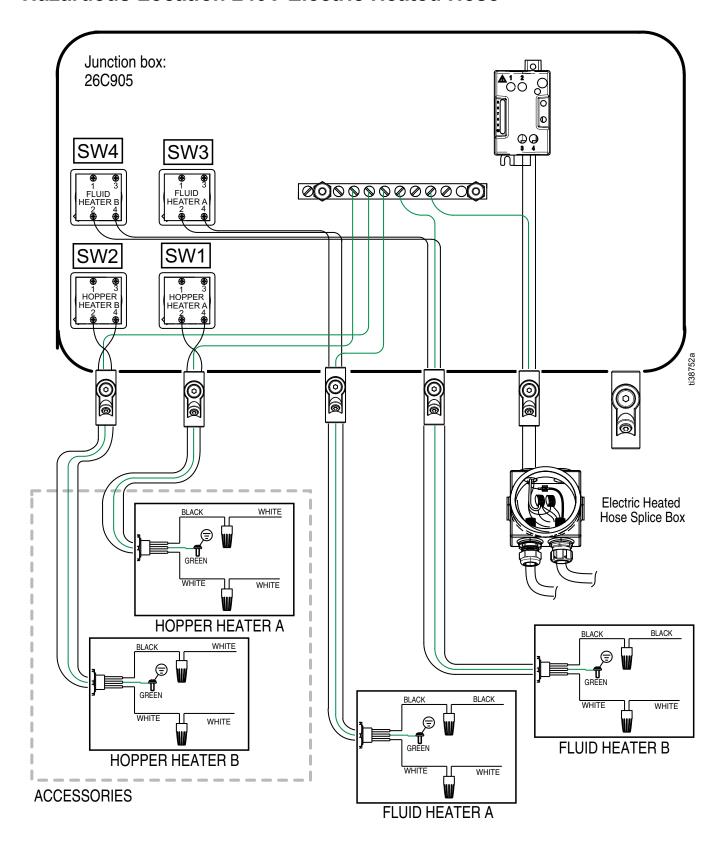
Non-Hazardous Location 480V Electric Heated Hose



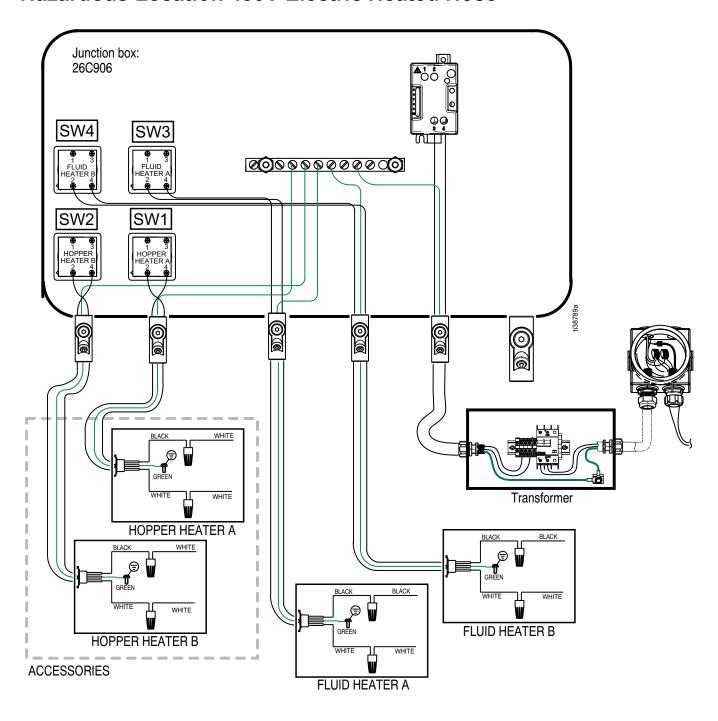
Hazardous Location 240V and 480V Viscon Water Heated Hose



Hazardous Location 240V Electric Heated Hose



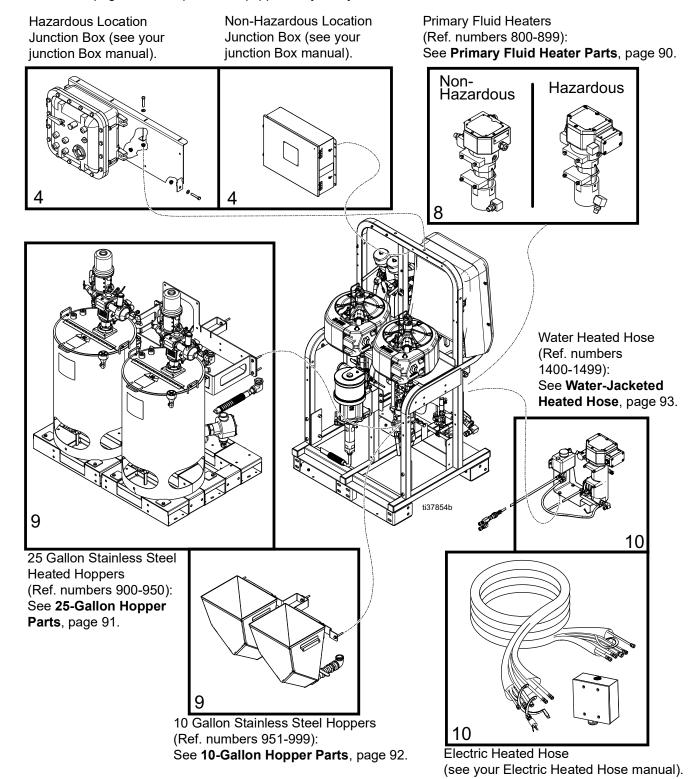
Hazardous Location 480V Electric Heated Hose



Parts

Parts Varying by Model

See Models on page 9 for components equipped on your system.



XM_ L _ _ Parts Varying by Top-Level Part Number

See **Models**, page 9, for components equipped on your system.

Models	Part	Description	For additional information, refer to:
XM1L00	XM1A00	SYSTEM, XM50, WP	XM1 Models page 78
XM1L10	XM1A00	SYSTEM, XM50, WP, 10	XM1 Models page 78
AIVITE TO		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
XM3L00	XM3A00	SYSTEM, XM70, BF, WP	XM3 Models page 79
XM3L10	XM3A00	SYSTEM, XM70, BF, WP	XM3 Models page 79
AIVISE 10		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
XM5L00	XM5A00	SYSTEM, XM50, BF, R, WP	XM5 Models page 80
XM5L10	XM5A00	SYSTEM, XM50, BF, R, WP	XM5 Models page 80
AIVIOL 10		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
XM7L00	XM7A00	SYSTEM, XM70, R, WP	XM7 Models page 81
XM7L10	XM7A00	SYSTEM, XM70, R, WP	XM7 Models page 81
AIVI / L TU		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92

XM_ M _ _ Parts Varying by Top-Level Part Number

See **Models**, page 9, for components equipped on your system.

Model	Part	Description	For additional information, refer to:
	XM1A00	SYSTEM, XM50, BF, WP	XM1 Models , page 78
XM1M00	26C580	JUNCTION BOX, standard, 240V	Junction Box manual
		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
	XM1A00	SYSTEM, XM50, BF, WP	XM1 Models , page 78
VNAANAAO	26C580	JUNCTION BOX, standard, 240V	Junction Box manual
XM1M10		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM1A00	SYSTEM, XM50, 240 V, BF, WP	XM1 Models , page 78
VN44N400	26C580	JUNCTION BOX, standard, 240V	Junction Box manual
XM1M20		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
	XM3A00	SYSTEM, XM70, BF, WP	XM3 Models , page 79
XM3M00	26C580	JUNCTION BOX, standard, 240V	Junction Box manual
		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
	XM3A00	SYSTEM, XM70, BF, WP	See XM3Models, page 79
VM2N440	26C580	JUNCTION BOX, standard, 240V	Junction Box manual
XM3M10		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM3A00	SYSTEM, XM70, BF, WP	XM3 Models , page 79
VMANAOO	26C580	JUNCTION BOX, standard, 240V	Junction Box manual
XM3M20		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
	XM5A00	SYSTM, XM50, BF, R, WP	XM5 Models, page 80
XM5M00	26C580	JUNCTION BOX, standard, 240V	Junction Box manual
		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
	XM5A00	SYSTM, XM50, BF, R, WP	XM5 Models, page 80
XM5M0E	26C899	JUNCTION BOX, standard, 240V, electric heat	Junction Box manual
XIVISIVIOL		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, electric, 240 V-H	Heated Hose manual
	XM5A00	SYSTM, XM50, BF, R, WP	XM5 Models , page 80
XM5M0W	26C580	JUNCTION BOX, standard, 240V	Junction Box manual
XIVISIVIOVV		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, watt, 240 V-H	Water-Jacketed Heated Hose, page 93
	XM5A00	SYSTEM, XM50, BF, R, WP	XM5 Models , page 80
XM5M10	26C580	JUNCTION BOX, standard, 240 V	Junction Box manual
XIVIOIVITO		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM5A00	SYSTEM, XM50, BF, R, WP	XM5 Models, page 80
	26C899	JUNCTION BOX, standard, 240 V, electric heat	Junction Box manual
XM5M1E		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, elec, 240 V-H	Heated Hose manual
	XM5A00	SYSTEM, XM50, BF, R, WP	XM5 Models, page 80
	26C580	JUNCTION BOX, standard, 240 V	Junction Box manual
XM5M1W		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, wat, 240 V-H	Water-Jacketed Heated Hose, page 93

Model	Part	Description	For additional information, refer to:
	XM5A00	SYSTEM, XM50, BF, R, WP	XM5 Models , page 80
	26C580	JUNCTION BOX, standard, 240 V	Junction Box manual
XM5M20		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
	XM5A00	SYSTEM, XM50, BF, R, WP	XM5 Models,page 80
	26C899	JUNCTION BOX, standard, 240V, electric heat	Junction Box manual
XM5M2E		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, elec, 240 V-H	Heated Hose manual
	XM5A00	SYSTEM, XM50, BF, R, WP	XM5 Models , page 80
	26C580	JUNCTION BOX, standard, 240 V	Junction Box manual
XM5M2W		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, wat, 240 V-H	Water-Jacketed Heated Hose, page 93
	XM7A00	SYSTM, XM70, BF, R, WP	XM7Models, page 81
XM7M00	26C580	JUNCTION BOX, standard, 240 V	Junction Box manual
		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
	XM7A00	SYSTEM, XM70, BF, R, WP	XM7Models, page 81
XM7M0E	26C899	JUNCTION BOX, standard, 240 V, electric heat	Junction Box manual
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, elec, 240 V-H	Heated Hose manual
	XM7A00	SYSTEM, XM70, BF, R, WP	XM7Models, page 81
XM7M0W	26C580	JUNCTION BOX, standard, 240 V	Junction Box manual
AIVI / IVIUVV		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, wat, 240 V-H	Water-Jacketed Heated Hose, page 93
	XM7A00	SYSTEM, XM70, BF, R, WP	XM7 Models , page 81
XM7M10	26C580	JUNCTION BOX, standard, 240 V	Junction Box manual
XIVITIVITO		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM7A00	SYSTEM, XM70, BF, R, WP	XM7 Models, page 81
	26C899	JUNCTION BOX, standard, 240V, electric heat	Junction Box manual
XM7M1E		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, elec, 240 V-H	Heated Hose manual
	XM7A00	SYSTEM, XM70, BF, R, WP	XM7 Models, page 81
XM7M1W	26C580	JUNCTION BOX, standard, 240 V	Junction Box manual
7		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, wat, 240 V-H	Water-Jacketed Heated Hose, page 93
	XM7A00	SYSTEM, XM70, BF, R, WP	XM7Models, page 81
XM7M20	26C580	JUNCTION BOX, standard, 240 V	Junction Box manual
		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
	XM7A00	SYSTEM, XM70, BF, R, WP	XM7Models, page 81
	26C899	JUNCTION BOX, standard, 240 V, electric heat	Junction Box manual
XM7M2E		HEATER, standard, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, elec, 240 V-H	Heated Hose manual
	XM7A00	SYSTEM, XM70, BF, R, WP	XM7Models, page 81
	26C580	JUNCTION BOX, standard, 240V	Junction Box manual
XM7M2W		HEATER, standard, 240V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, wat, 240 V-H	Water-Jacketed Heated Hose, page 93

XM_ H _ _ Parts Varying by Top-Level Part Number

See **Models**, page 9, for components equipped on your system.

Model	Part	Description	For additional information, refer to:
	XM1A00	SYSTEM, XM50, BF, WP	XM1 Models, page 78
XM1H00	26C582	JUNCTION BOX, standard, 480 V	Junction Box manual
		HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
	XM1A00	SYSTEM, XM50, BF, WP	XM1 Models, page 78
VA441140	26C582	JUNCTION BOX, standard, 480 V	Junction Box manual
XM1H10		HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM1A00	SYSTEM, XM50, BF, WP	XM1 Models, page 78
\/A44.100	26C582	JUNCTION BOX, standard, 480 V	Junction Box manual
XM1H20		HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 480 V	25-Gallon Hopper Parts, page 91
	XM3A00	SYSTEM, XM70, BF, WP	XM3 Models, page 79
XM3H00	26C582	JUNCTION BOX, standard, 480 V	Junction Box manual
		HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
	XM3A00	SYSTEM, XM70, BF, WP	XM3 Models, page 79
	26C582	JUNCTION BOX, standard, 480 V	Junction Box manual
XM3H10		HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM3A00	SYSTEM, XM70, BF, WP	XM3 Models, page 79
	26C582	JUNCTION BOX, standard, 480 V	Junction Box manual
XM3H20		HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 480 V	25-Gallon Hopper Parts, page 91
	XM5A00	SYSTEM, XM50BF, R, WP	XM5 Models, page 80
XM5H00	26C582	JUNCTION BOX, standard, 480 V	Junction Box manual
		HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
	XM5A00	SYSTEM, XM50BF, R, WP	XM5 Models, page 80
	26C904	JUNCTION BOX, standard, 240V, electric heat	Junction Box manual
XM5H0E		HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, electric, 480 V-H	Heated Hose manual
	XM5A00	SYSTEM, XM50BF, R, WP	XM5 Models, page 80
	26C582	JUNCTION BOX, standard, 480 V	Junction Box manual
XM5H0W		HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, wat, 480V-H	Water-Jacketed Heated Hose, page 93
	XM5A00	SYSTEM, XM50BF, R, WP	XM5 Models, page 80
	26C582	JUNCTION BOX, standard, 480 V	Junction Box manual
XM5H10		HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM5A00	SYSTEM, XM50BF, R, WP	XM5 Models, page 80
	26C904	JUNCTION BOX, standard, 480 V, electric heat	Junction Box manual
XM5H1E		HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, electric, 480 V-H	Heated Hose manual
	XM5A00	SYSTEM, XM50BF, R, WP	XM5 Models, page 80
Ì	26C582	JUNCTION BOX, standard, 480 V	Junction Box manual
XM5H1W		HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, wat, 480V-H	Water-Jacketed Heated Hose, page 93

Model	Part	Description	For additional information, refer to:
	XM5A00	SYSTEM, XM50BF, R, WP	XM5 Models, page 80
	26C582	JUNCTION BOX, standard, 480 V	Junction Box manual
XM5H20		HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 480 V	25-Gallon Hopper Parts, page 91
	XM5A00	SYSTEM, XM50BF, R, WP	XM5 Models, page 80
	26C904	JUNCTION BOX, standard, 240V, electric heat	Junction Box manual
XM5H2E		HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 480 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, electric, 480 V-H	Heated Hose manual
	XM5A00	SYSTEM, XM50BF, R, WP	XM5 Models, page 80
	26C582	JUNCTION BOX, standard, 480 V	Junction Box manual
XM5H2W		HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 480 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, wat, 480V-H	
	XM7A00	SYSTEM, XM70, BF, R, WP	XM7 Models, page 81
XM7H00	26C582	JUNCTION BOX, standard, 480 V	Junction Box manual
7		HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
	XM7A00	SYSTEM, XM70, BF, R, WP	XM7 Models, page 81
	26C904	JUNCTION BOX, standard, 480 V, electric heat	Junction Box manual
XM7H0E		HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, electric, 480 V-H	Heated Hose manual
	XM7A00	SYSTEM, XM70, BF, R, WP	XM7 Models, page 81
	26C582	JUNCTION BOX, standard, 480 V	Junction Box manual
XM7H0W	200302	HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, wat, 480V-H	Water-Jacketed Heated Hose, page 93
	XM7A00	SYSTEM, XM70, BF, R, WP	XM7Models, page 81
	26C582	JUNCTION BOX, standard, 480 V	Junction Box manual
XM7H10		HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM7A00	SYSTEM, XM70, BF, R, WP	XM7Models, page 81
	26C904	JUNCTION BOX, standard, 240V, electric heat	Junction Box manual
XM7H1E		HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
XIVITITE		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, electric, 480V	Heated Hose manual
	XM7A00	SYSTEM, XM70, BF, R, WP	XM7Models , page 81
	26C582	JUNCTION BOX, standard, 480 V	Junction Box manual
XM7H1W		HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
XIVI/IIIVV		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, wat, 480V-H	Water-Jacketed Heated Hose, page 93
	XM7A00	SYSTEM, XM70, BF, R, WP	XM7 Models, page 81
	26C582	JUNCTION BOX, standard, 480 V	Junction Box manual
XM7H20		HEATER, standard, 480 V	Primary Fluid Heater Parts, page 90
			25-Gallon Hopper Parts, page 91
		HOPPER, 25 gallon, ss lined, 480 V	XM7 Models, page 81
	XM7A00	SYSTEM, XM70, BF, R, WP	Junction Box manual
YMZHQE	26C904	JUNCTION BOX, standard, 480 V, electric heat	Primary Fluid Heater Parts, page 90
XM7H2E		HEATER, standard, 480 V	25-Gallon Hopper Parts, page 90
		HOPPER, 25 gallon, ss lined, 480 V	Heated Hose manual
	 VM7A00	HOSE, heated, electric, 480V	XM7Models, page 81
	XM7A00	SYSTEM, XM70, BF, R, WP	Junction Box manual
VMZLIOW	26C582	JUNCTION BOX, standard, 480 V	Primary Fluid Heater Parts, page 90
XM7H2W		HEATER, standard, 480 V	25-Gallon Hopper Parts, page 90
		HOPPER, 25 gallon, ss lined, 480 V	Water-Jacketed Heated Hose, page 93
		HOSE, heated, wat, 480V-H	vvaici-Jacketeu neateu nose, page 33

XM_ N _ _ Parts Varying by Top-Level Part Number

See **Models**, page 9, for components equipped on your system.

Model	Part	Description	For additional information, refer to:
XM1N00	XM1D00	SYSTEM, XM50, BF, IS	XM1Models, page 78
	XM1D00	SYSTEM, XM50, BF, IS	XM1Models, page 78
XM1N10		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM1D00	SYSTEM, XM50, BF, IS	XM1 Models , page 78
XM1N20		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
XM3N00	XM3D00	SYSTEM, XM70, BF, IS	XM3 Models , page 79
	XM3D00	SYSTEM, XM70, BF, IS	XM3Models, page 79
XM3N10		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM3D00	SYSTEM, XM70, BF, IS	XM3 Models , page 79
XM3N20		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
XM5N00	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
XM5N0E		HOSE, heated, electric, 240 V-H	Heated Hose manual
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
XM5N0W		HOSE, heated, wat, 240 V-H	Water-Jacketed Heated Hose, page 93
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
XM5N10		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
XM5N1E		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, electric, 240 V-H	Heated Hose manual
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
XM5N1W		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
,		HOSE, heated, wat, 240 V-H	Water-Jacketed Heated Hose, page 93
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
XM5N20		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
XM5N2E		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, electric, 240 V-H	Heated Hose manual
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
XM5N2W		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, wat, 240 V-H	Water-Jacketed Heated Hose, page 93
XM7N00	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7N0E		HOSE, heated, electric, 240 V-H	Heated Hose manual
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models , page 81
XM7N0W		HOSE, heated, wat, 240 V-H	Water-Jacketed Heated Hose, page 93
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7N10		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7N1E		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, electric, 240 V-H	Heated Hose manual
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7N1W		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, wat, 240 V-H	Water-Jacketed Heated Hose, page 93
XM7N20	XM7D00	SYSTEM, XM70, BF, R, IS	XM7Models, page 81
		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7N2E		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, electric, 240 V-H	Heated Hose manual
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7Models, page 81
XM7N2W		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, wat, 240 V-H	Water-Jacketed Heated Hose, page 93
		HOSE, heated, wat, 240 V-H	vvater-Jacketed неаted нose , page 93

XM_P__ Parts Varying by Top-Level Part Number

See **Models**, page 9, for components equipped on your system.

Model	Part	Description	For additional information, refer to:
VMADOO	XM1D00	SYSTEM, XM50, BF, IS	XM1 Models , page 78
XM1P00		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
	XM1D00	SYSTEM, XM50, BF, IS	XM1 Models , page 78
XM1P10		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM1D00	SYSTEM, XM50, BF, IS	XM1 Models , page 78
XM1P20		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
\/A40B00	XM3D00	SYSTEM, XM70, BF, IS	XM3 Models, page 79
XM3P00		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
	XM3D00	SYSTEM, XM70, BF, IS	XM3 Models, page 79
XM3P10		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM3D00	SYSTEM, XM70, BF, IS	XM3 Models , page 79
XM3P20		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
XM5P00		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models , page 80
XM5P0E		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, electric, 240 V-H	Heated Hose manual
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
XM5P0W		HOSE, heated, wat, 240V-H	Water-Jacketed Heated Hose, page 93
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
XM5P10		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
7		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
XM5P1E		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, electric, 240 V-H	Heated Hose manual
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
XM5P1W		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, wat, 240V-H	Water-Jacketed Heated Hose, page 93
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
XM5P20		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
7		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
XM5P2E		HOPPER, 25 gallon, ss lined, 240 V	XM7 Models , page 81
		HOSE, heated, electric, 240 V-H	Heated Hose manual
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models , page 80
		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
XM5P2W		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, wat, 240V-H	Water-Jacketed Heated Hose, page 93
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7P00		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7Models, page 81
XM7P0E		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
AWITT OL		HOSE, heated, electric, 240 V-H	Heated Hose manual
		THOSE, Heateu, Electric, 240 V-F	

Model	Part	Description	For additional information, refer to:
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7P0W		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, wat, 240V-H	Water-Jacketed Heated Hose, page 93
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7P10		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7P1E		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
AIVI/PIE		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, electric, 240 V-H	Heated Hose manual
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7P1W		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
AIVI/FIVV		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, wat, 240V-H	Water-Jacketed Heated Hose, page 93
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7P20		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7P2E		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
AIVI/FZE		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, electric, 240 V-H	Heated Hose manual
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7P2W		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
AIVI / FZVV		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, wat, 240V-H	Water-Jacketed Heated Hose, page 93

XM_F _ Parts Varying by Top-Level Part Number

See **Models**, page 9, for components equipped on your system.

Model	Part	Description	For additional information, refer to:
VN44500	XM1D00	SYSTEM, XM50, BF, IS	XM1 Models, page 78
XM1F00	273114	HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
	XM1D00	SYSTEM, XM50, BF, IS	XM1 Models, page 78
XM1F10		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM1D00	SYSTEM, XM50, BF, IS	XM1 Models, page 78
XM1F20		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 480 V	25-Gallon Hopper Parts, page 91
\/\\ 40E00	XM3D00	SYSTEM, XM70, BF, IS	XM3 Models , page 79
XM3F00		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
	XM3D00	SYSTEM, XM70, BF, IS	XM3 Models, page 79
XM3F10		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM3D00	SYSTEM, XM70, BF, IS	XM3 Models, page 79
XM3F20		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 480 V	25-Gallon Hopper Parts, page 91
	XM5D00	SYSTEM, XM50, BF, IS	XM5 Models, page 80
XM5F00		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5Models, page 80
XM5F0E		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, electric, 480 V-H	Heated Hose manual
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
XM5F0W		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, wat, 480 V-H	Water-Jacketed Heated Hose, page 93
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5Models, page 80
XM5F10		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
XM5F1E		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, electric, 480 V-H	Heated Hose manual
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
XM5F1W		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, wat, 480 V-H	Water-Jacketed Heated Hose, page 93
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
XM5F20		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 480 V	25-Gallon Hopper Parts, page 91
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5Models, page 80
		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
XM5F2E		HOPPER, 25 gallon, ss lined, 480 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, electric, 480 V-H	Heated Hose manual
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5Models, page 80
\/\ \===:::		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts. page 90
XM5F2W		HOPPER, 25 gallon, ss lined, 480 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, wat, 480 V-H	Water-Jacketed Heated Hose, page 93
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	XM5D00	SYSTEM, XM50, BF, R, IS	XM5Models, page 80
XM7F00		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
	1	11L/11L11, 1102-07, 700 V	J

Model	Part	Description	For additional information, refer to:
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7F0E		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, electric, 480 V-H	Heated Hose manual
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7F0W		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, wat, 480 V-H	Water-Jacketed Heated Hose, page 93
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7F10		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7F1E		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
AIVI/FIE		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, electric, 480 V-H	Heated Hose manual
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7F1W		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
AIVI7 F I VV		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, wat, 480 V-H	Water-Jacketed Heated Hose, page 93
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7F20		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 480 V	25-Gallon Hopper Parts, page 91
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7F2E		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
AIVI / FZE		HOPPER, 25 gallon, ss lined, 480 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, electric, 480 V-H	Heated Hose manual
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7F2W		HEATER, haz-ex, 480 V	Primary Fluid Heater Parts, page 90
AIVI / FZVV		HOPPER, 25 gallon, ss lined, 480 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, wat, 480 V-H	Water-Jacketed Heated Hose, page 93

XM_ J_ Parts Varying by Top-Level Part Number

See **Models**, page 9, for components equipped on your system.

Model	Part	Description	For additional information, refer to:
	XM1D00	SYSTEM, XM50, BF, IS	XM1 Models, page 78
XM1J00	26C581	JUNCTION BOX, haz-ex, 240 V	Junction Box manual
		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
	XM1D00	SYSTEM, XM50, BF, IS	XM1 Models , page 78
V444 140	26C581	JUNCTION BOX, haz-ex, 240 V	Junction Box manual
XM1J10		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM1D00	SYSTEM, XM50, BF, IS	XM1 Models, page 78
\/A44.100	26C581	JUNCTION BOX, haz-ex, 240 V	Junction Box manual
XM1J20		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
	XM3D00	SYSTEM, XM70, BF, IS	XM3 Models , page 79
XM3J00	26C581	JUNCTION BOX, haz-ex, 240 V	Junction Box manual
		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
	XM3D00	SYSTEM, XM70, BF, IS	XM3 Models , page 79
V440 140	26C581	JUNCTION BOX, haz-ex, 240 V	Junction Box manual
XM3J10		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM3D00	SYSTEM, XM70, BF, IS	XM3Models, page 79
\/A 40 100	26C581	JUNCTION BOX, haz-ex, 240 V	Junction Box manual
XM3J20		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models , page 80
XM5J00	26C581	JUNCTION BOX, haz-ex, 240 V	Junction Box manual
		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
VME IOE	26C905	JUNCTION BOX, standard, 240V, electric heat	Junction Box manual
XM5J0E		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, electric, 240 V-H	Heated Hose manual
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
VME IOW	26C581	JUNCTION BOX, haz-ex, 240 V	Junction Box manual
XM5J0W		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, wat, 240 V-H	Water-Jacketed Heated Hose, page 93
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
XM5J10	26C581	JUNCTION BOX, haz-ex, 240 V	Junction Box manual
VINIONIO		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5Models, page 80
	26C905	JUNCTION BOX, haz-ex, 240 V, electric heat	Junction Box manual
XM5J1E		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, electric, 240 V-H	Heated Hose manual
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5Models, page 80
	26C581	JUNCTION BOX, haz-ex, 240 V	Junction Box manual
XM5J1W		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, wat, 240 V-H	Water-Jacketed Heated Hose, page 93

Model	Part	Description	For additional information, refer to:
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models , page 80
V/145 100	26C581	JUNCTION BOX, haz-ex, 240 V	Junction Box manual
XM5J20		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models , page 80
	26C905	JUNCTION BOX, standard, 240V, electric heat	Junction Box manual
XM5J2E		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, electric, 240 V-H	Heated Hose manual
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
	26C581	JUNCTION BOX, haz-ex, 240 V	Junction Box manual
XM5J2W		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, wat, 240 V-H	Water-Jacketed Heated Hose, page 93
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7J00	26C581	JUNCTION BOX, haz-ex, 240 V	Junction Box manual
		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
	26C905	JUNCTION BOX, haz-ex, 240 V, electric heat	Junction Box manual
XM7J0E		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, electric, 240 V-H	Heated Hose manual
XM7J0W	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models , page 81
	26C581	JUNCTION BOX, haz-ex, 240 V	Junction Box manual
		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, wat, 240 V-H	Water-Jacketed Heated Hose, page 93
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models , page 81
	26C581	JUNCTION BOX, haz-ex, 240 V	Junction Box manual
XM7J10		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models , page 81
	26C905	JUNCTION BOX, standard, 240V, electric heat	Junction Box manual
XM7J1E		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, electric, 240 V-H	Heated Hose manual
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
	26C581	JUNCTION BOX, haz-ex, 240 V	Junction Box manual
XM7J1W		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, wat, 240 V-H	Water-Jacketed Heated Hose, page 93
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
	26C581	JUNCTION BOX, haz-ex, 240 V	Junction Box manual
XM7J20		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
	26C905	JUNCTION BOX, haz-ex, 240 V, electric heat	Junction Box manual
XM7J2E		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
, , ,		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, electric, 240 V-H	Heated Hose manual
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models , page 81
	26C581	JUNCTION BOX, haz-ex, 240 V	Junction Box manual
XM7J2W		HEATER, haz-ex, 240 V	Primary Fluid Heater Parts, page 90
731V11 UZ V V		HOPPER, 25 gallon, ss lined, 240 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, wat, 240 V-H	Water-Jacketed Heated Hose, page 93
	1	1100L, Heateu, Wat, 240 V-11	, page 44

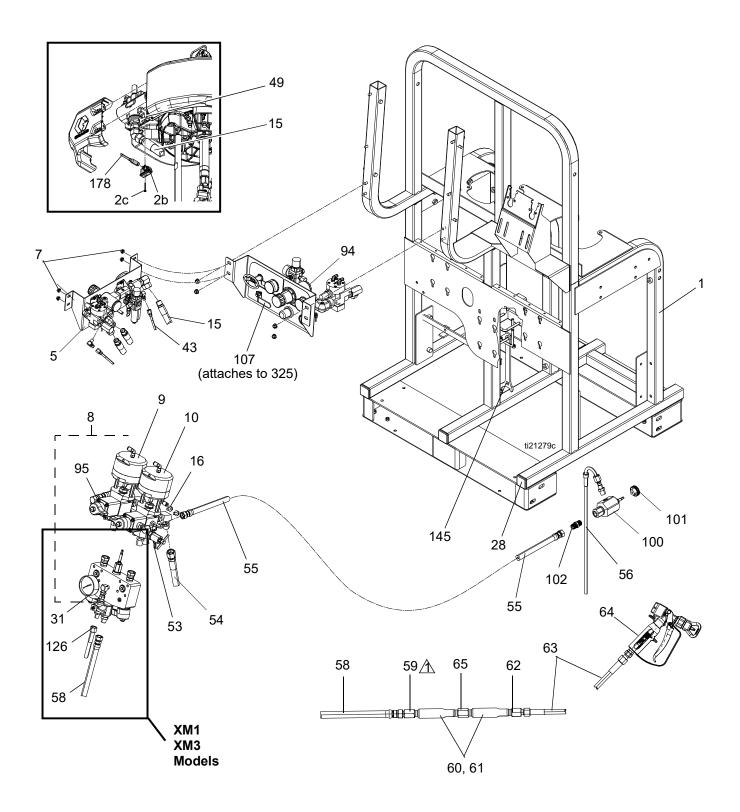
XM_ K _ _ Parts Varying by Top-Level Part Number

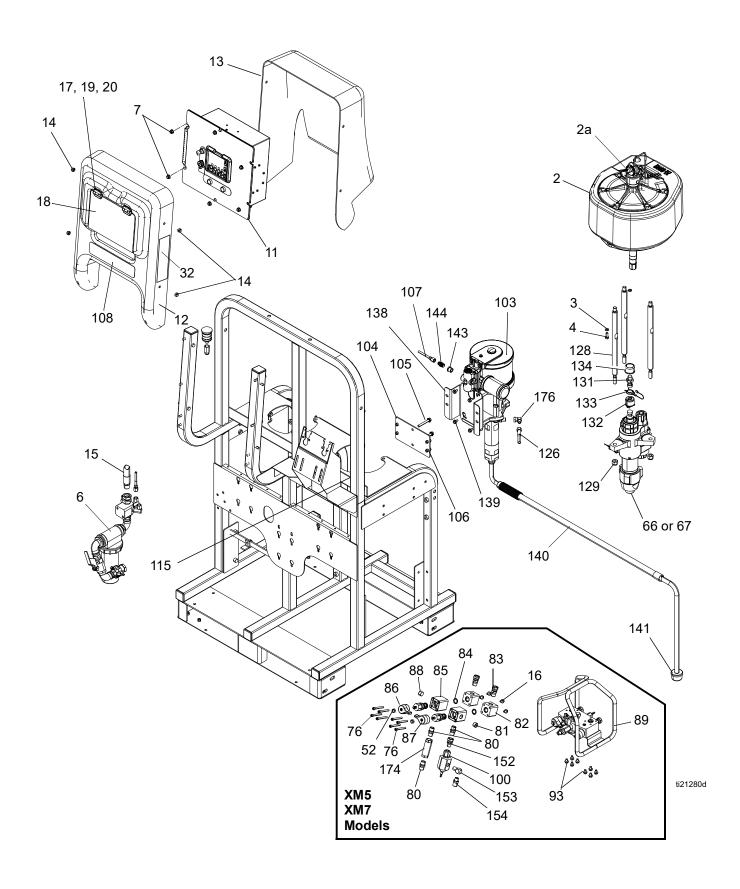
See **Models**, page 9, for components equipped on your system.

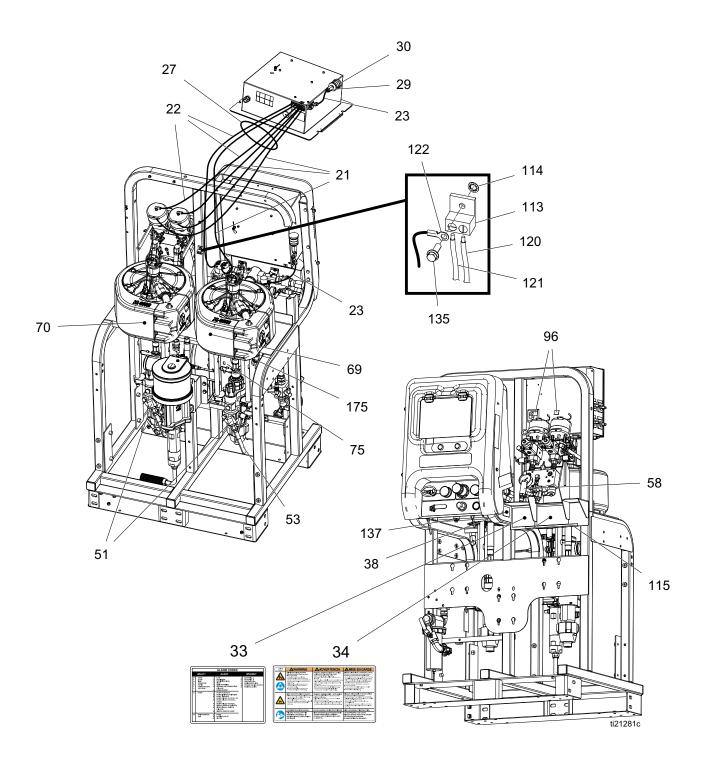
Model	Part	Description	For additional information, refer to:
	XM1D00	SYSTEM, XM50, BF, IS	XM1 Models, page 78
XM1K00	26C583	JUNCTION BOX, haz-ex, 480 V	Junction Box manual
		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
XM1K10	XM1D00	SYSTEM, XM50, BF, IS	XM1 Models, page 78
	26C583	JUNCTION BOX, haz-ex, 480 V	Junction Box manual
		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
XM1K20	XM1D00	SYSTEM, XM50, BF, IS	XM1 Models , page 78
	26C583	JUNCTION BOX, haz-ex, 480 V	Junction Box manual
		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 480 V	25-Gallon Hopper Parts, page 91
XM3K00	XM3D00	SYSTEM, XM70, BF, IS	XM3 Models , page 79
	26C583	JUNCTION BOX, haz-ex, 480 V	Junction Box manual
		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
XM3K10	XM3D00	SYSTEM, XM70, BF, IS	XM3 Models , page 79
	26C583	JUNCTION BOX, haz-ex, 480 V	Junction Box manual
		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
XM3K20	XM3D00	SYSTEM, XM70, BF, IS	XM3 Models , page 79
	26C583	JUNCTION BOX, haz-ex, 480 V	Junction Box manual
		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 480 V	25-Gallon Hopper Parts, page 91
XM5K00	XM5D00	SYSTEM, XM50, BF, R, IS	XM5Models, page 80
	26C583	JUNCTION BOX, haz-ex, 480 V	Junction Box manual
		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
XM5K0E	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models , page 80
	26C906	JUNCTION BOX, standard, 240V, electric heat	Junction Box manual
		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, electric, 480 V-H	Heated Hose manual
XM5K0W	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
	26C583	JUNCTION BOX, haz-ex, 480 V	Junction Box manual
		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, wat, 480 V-H	Water-Jacketed Heated Hose, page 93
XM5K10	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
	26C583	JUNCTION BOX, haz-ex, 480 V	Junction Box manual
		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
XM5K1E	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
	26C906	JUNCTION BOX, haz-ex, 480 V, electric heat	Junction Box manual
		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, electric, 480 V-H	Heated Hose manual
XM5K1W	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
	26C583	JUNCTION BOX, haz-ex, 480 V	Junction Box manual
		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, wat, 480 V-H	Water-Jacketed Heated Hose, page 93

Model	Part	Description	For additional information, refer to:
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
\/AFI/00	26C583	JUNCTION BOX, haz-ex, 480 V	Junction Box manual
XM5K20		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 480 V	25-Gallon Hopper Parts, page 91
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
	26C906	JUNCTION BOX, standard, 240V, electric heat	Junction Box manual
XM5K2E		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 480 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, electric, 480 V-H	Heated Hose manual
	XM5D00	SYSTEM, XM50, BF, R, IS	XM5 Models, page 80
	26C583	JUNCTION BOX, haz-ex, 480 V	Junction Box manual
XM5K2W		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 480 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, wat, 480 V-H	Water-Jacketed Heated Hose, page 93
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7K00	26C583	JUNCTION BOX, haz-ex, 480 V	Junction Box manual
		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7Models, page 81
VA 471/0E	26C906	JUNCTION BOX, haz-ex, 480 V, electric heat	Junction Box manual
XM7K0E		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, electric, 480 V-H	Heated Hose manual
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
\/A 471/0\A/	26C583	JUNCTION BOX, haz-ex, 480 V	Junction Box manual
XM7K0W		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
		HOSE, heated, wat, 480 V-H	Water-Jacketed Heated Hose, page 93
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7Models, page 81
VA 471/40	26C583	JUNCTION BOX, haz-ex, 480 V	Junction Box manual
XM7K10		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
	26C906	JUNCTION BOX, standard, 240V, electric heat	Junction Box manual
XM7K1E		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, electric, 480 V-H	Heated Hose manual
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
	26C583	JUNCTION BOX, haz-ex, 480 V	Junction Box manual
XM7K1W		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 10 gallon, ss	10-Gallon Hopper Parts, page 92
		HOSE, heated, wat, 480 V-H	Water-Jacketed Heated Hose, page 93
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
XM7K20	26C583	JUNCTION BOX, haz-ex, 480 V	Junction Box manual
XIVITIVEO		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 480 V	25-Gallon Hopper Parts, page 91
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7 Models, page 81
	26C906	JUNCTION BOX, haz-ex, 480 V, electric heat	Junction Box manual
XM7K2E		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 480 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, electric, 480 V-H	Heated Hose manual
	XM7D00	SYSTEM, XM70, BF, R, IS	XM7Models, page 81
	26C583	JUNCTION BOX, haz-ex, 480 V	Junction Box manual
XM7K2W		HEATER, haz-EX, 480 V	Primary Fluid Heater Parts, page 90
		HOPPER, 25 gallon, ss lined, 480 V	25-Gallon Hopper Parts, page 91
		HOSE, heated, wat, 480 V-H	Water-Jacketed Heated Hose, page 93

XM Plural-Component Sprayers Common Parts







Common Parts

1	Ref.	Part	Description	Qty.	Ref.	Part	Description	Qty.
ALSSID	1		FRAME	1	60	262478	HOUSING, mixer	
English manual 3A5523 2 2 26331 HOUSING, assy, linear sensor; 2 1 1 1 HOUSE, coupled; 1/4-18 npsm; 10 ft 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2	XL65D2	MOTOR, 6500, de-icing; see	2	61 <i>‡</i>	248927	KIT, mixer, element; pack of 25	
26C331					62	150287	COUPLING; 1/4-18 npsm x 3/8-18	1
Beginsh manual 3A5423	2a	26C331		2			npt	
2					63	H72510	HOSE, coupled; 1/4-18 npsm; 10 ft	1
3 100133 WASHER, lock	2b	273274	REED SWITCH		64	XTR724	GUN	
100133	2c	15V719	SCREW	2	65	162024	COUPLING; 3/8-18 npt x 3/8-18 npt	1
10101 SCREW, cap, hex hd 8 95 15U655 LABEL, identification 1 1 14593 LABEL, identification 1 14593 LABEL, identi	3		WASHER, lock	8	75 ‡	206995	TSL; 1 qt.	1
Secondary Sec				8	95	15U655	LABEL, identification	1
Air Controls Module (26C688)				1	96	15U654	LABEL, identification	
All Fold Manifold (26C689) Parts, page 88 106 112395 105 1124 106 112395 105 106 112395 106 112395 107 107 248208 108					101√	114593	KNOB	2
Air Intel Manifold (26C689) Parts, page 88 7 112958 NUT, hex, flanged 9 10 107 248208 HOSE, coupled; 4 ft 1 1 113 117666 HOSE, coupled; 4 ft 1 1 115 11590 HOSE, coupled; 4 ft 1 115			Parts, page 86		103	257463	PUMP, solvent, Merkur; see manual	
Page 88 NUT, hex, flanged 10 106 112395 SCREW, cap, flanged 4 1 107 248208 HOSE, coupled; 4 ft 1 1 1 1 1 1 1 1 1	6	26C689	MANIFOLD, inlet, air distribution; see	1	104	256169	PLATE, pump, solvent	
112958			Air Inlet Manifold (26C689) Parts,		105		SCREW, hex hd, flanged	
FLUID CONTROL, assy; see Fluid Control Assembly Parts, page 87 114 100028 WASHER, look 1 114 100028 WASHER, look 1 115 11			page 88		106	112395	SCREW, cap, flanged	4
Control Assembly Parts, page 87 114 100028 WASHER, lock	7	112958	NUT, hex, flanged	10	107	248208	HOSE, coupled; 4 ft	1
11	8		FLUID CONTROL, assy; see Fluid	1	113	117666	TERMINAL, ground	1
1			Control Assembly Parts, page 87		114	100028	WASHER, lock	1
255771 Parts, page 82 120	11	255771	BOX, control; see Control Box	1	115	115901		2
12 256177 SHROUD, front 1 122 109025 RING, terminal 1 1 122 109025 RING, terminal 1 1 1 17623 NUT, cap (3/8-16) 4 124 LABEL, pressure control 2 2 125 t 162449 NIPPLE, reducing; 1/2 x 1/4 npt 2 2 129 107172 NUT, lock 6 6 1 11801 SCREW, cap, hex hd 10 128 257150 ROD, tie 6 1 11801 SCREW, cap, hex hd 10 128 257150 ROD, tie 6 1 11801 SCREW, cap, hex hd 10 128 257150 ROD, tie 6 1 11801 SCREW, cap, hex hd 10 128 257150 ROD, tie 6 1 11801 SCREW, cap, hex hd 10 128 257150 ROD, tie 6 1 11801 SCREW, cap, hex hd 10 128 257150 ROD, tie 6 1 11801 SCREW, cap, hex had 11 131 15H392 ROD, adapter 2 1 129 101712 NUT, lock 6 6 1 132 244819 COUPLING, assy. 2 1 123 244820 CULP LING, assy. 2 1 122 1054175 TUBE, nylon, round; 1.3 ft 1 105431 PLUG, tube 1 131 15H392 ROD, adapter 2 1 132 244820 CULP LING, assy. 2 1 134 197340 COVER, coupler 2 1 134 197340 COVER, coupler 2 1 135 113796 SCREW, flanged, hex head 1 1 131 15H392 ROD, adapter 2 1 134 197340 COVER, coupler 2 1 135 113796 SCREW, flanged, hex head 1 1 131 15H392 ROD, adapter 2 1 134 197340 COVER, coupler 2 1 135 113796 SCREW, flanged, hex head 1 1 131 15H392 ROD, adapter 2 1 134 197340 COVER, coupler 2 1 135 113796 SCREW, flanged, hex head 1 1 136 1136 114958 TIE, strap 10 10 136 114958 TIE, strap 11 144 181073 STRAINER, inlet 1 144			(255771) Parts, page 82					1
13 16P815 SHROUD, rear 1 122 109025 RING, terminal 1 1 14 117623 NUT, cap (3/8-16) 4 124 LABEL, pressure control 2 2 125 1√ 162449 NIPPLE, reducing; 1/2 x 1/4 npt 2 162490 HINGE, friction, positioning 2 129 101712 NUT, lock 6 17 121471 HINGE, friction, positioning 2 129 101712 NUT, lock 6 17 121471 HINGE, friction, positioning 2 129 101712 NUT, lock 6 17 121350 SCREW, cap, hex hd 10 128 257150 ROD, tie 6 18 157568 DOGR, control shroud 1 1 31 15H392 ROD, adapter 2 129 101712 NUT, lock 6 19 12380 SCREW, mach, pan head 131 124340 SCREW, mach, pan head 131 124340 FIRE 131 15H392 ROD, adapter 2 129 101712 NUT, lock 6 19 131 15H392 ROD, adapter 2 129 101712 NUT, lock 6 19 131 15H392 ROD, adapter 2 1054172 TUBE, nylon, 1/4 OD, black; 10 ft 131 15H392 ROD, adapter 2 132 14819 COUPLING, assy. 2 131 15H392 ROD, adapter 2 132 14820 CUPP, largin with lanyard 2 131 15H392 ROD, adapter 2 132 14819 ROD, adapter 2 132 14819 ROD, adapter 2 132 14819 ROD, adapter 2 131 15H392 ROD, adapter 2 132 14819 ROD, adapter 2 131 15H392 ROD, adapter 2 132 14819 ROD, adapter 2 131 15H392 ROD, adapter 2 132 14819 ROD, adapter 2 131 15H392 ROD, adapter 2 131 15H3932 ROD, adapter 2 131 15H3932 ROD, ad	12	256177	SHROUD, front		121			
14 117623 NUT, cap (3/8-16) 4 124 LABEL, pressure control 2 15 240900 HOSE, coupled, 30 in. 2 16 111801 SCREW, cap, hex hd 10 128 257150 ROD, tie 6 17 121471 HINGE, friction, positioning 2 18 157568 DOOR, control shroud 1 131 15H392 ROD, adapter 2 19 157567 NUT, backup plate, hinge 4 132 244819 COUPLING, assy. 2 20 112380 SCREW, mach, pan head 8 133 244820 CUIP, hairpin with lanyard 2 21 054172 TUBE, nylon, 1/4 OD, black; 10 ft 2 136 113796 SCREW, cap, hex had 1 136 114396 ROD, adapter 2 21 054175 TUBE, nylon, round; 1.3 ft 136 113796 SCREW, flanged, hex head 1 1 136 114313 PLUG, tube 8 133 244820 COUPLING, assy. 2 29 121688 CONNECTOR; 3/8 npt x 3/8 tube ptc 11 14434 GAUGE, pressure, fluid, sst 1 142 SCREW, cap, hex head 4 1 144 181073 SCREW, cap, hex head 1 1 14434 GAUGE, pressure, fluid, sst 1 142 SCREW, cap, hex head 1 1 147 171.724 FLASH DRIVE, USB 1 1 147 171.724 FLASH DRIVE, USB 1 1 17918 CABLE, use highly a label, identification 1 1 15M987 LABEL, identification 1 1 15M987 LABEL, identification 1 1 15M987 ELBOW, 60 deg. 17580 HOSE, coupled, 1/2-14 npsm, 3 ft 17590 SIGHTGLASS, beaker, graduated 1 178 177184 CABLE, GCA, M12-5P 2 1 Not sessembled.	13	16P815	SHROUD, rear			109025	· · · · · · · · · · · · · · · · · · ·	1
15 240900 HOSE, coupled, 30 in. 16 111801 SCREW, cap, hex hd 17 121471 HINGE, friction, positioning 18 15T568 DOOR, control shroud 19 15T567 NUT, backup plate, hinge 19 15T567 NUT, backup plate, hinge 10 128 224819 COUPLING, assy. 20 112380 SCREW, mach, pan head 21 1054172 TUBE, nylon, 1/4 OD, black; 10 ft 22 054175 TUBE, nylon, 1/4 OD, natural; 7 ft 23 C12508 TUBE, nylon, 1/4 OD, natural; 7 ft 24 160327 FITTING, union adapter; 90 deg. 25 114601 CONDUIT, flexible, non-metallic, 3 ft 26 115313 PLUG, tube 27 121688 CONNECTOR; 3/8 npt x 3/8 tube ptc 30 108636 MUFFLER 31 114434 GAUGE, pressure, fluid, sst 31 114434 GAUGE, pressure, fluid, sst 31 15T468 LABEL, warning 32 15W565 LABEL, identification 34 15W598 LABEL, warning 35 15W656 LABEL, identification 36 128093 AIR LINE, 1.0 in. 37 15M987 ELBOW; 60 deg. 38 173529 COUPLING, 3/8-18 npsm x 3/8-18 39 17575 ST390 SIGHTGLASS, beaker, graduated 4 NIPPLE, reducing; 1/2 x 1/4 npt 10 128 257150 ROD, tie 129 101712 NUT, lock 6 1328 244819 COUPLING, assy. 2 244819 COUPLING, assy. 2 244819 COUPLING, assy. 2 244820 CLIP, hairpin with lanyard 2 COVER, coupler 2 2 133 19796 SCREW, flanged, hex head 1 134 197340 COVER, coupler 2 2 1377 054760 TUBE, polyurethane, black; 3.5 ft 1362 114958 TIE, strap 10 1362 114958 TIE, strap 10 1372 054760 TUBE, polyurethane, black; 3.5 ft 138 256561 PLATE, mounting, solvent pump 1 1441 181073 STRAINER, inlet 1 1442 SCREW, cap, hex head 1 1444 157350 ADAPTER; 3/8 npt x 1/4 npt 1 145 157258 TOOL, wrench, Xtreme 1 1466/ 159239 NIPPLE, reducing; 1/2 x 3/8 npt 1 1471 171724 FLASH DRIVE, USB 1 1472 TUTAL FLASH DRIVE, USB 1 1473 TUTAL FLASH DRIVE, USB 1 1474 TUTAL FLASH DRIVE, USB 1 1475 TUTAL FLASH DRIVE, USB 1 1475 TUTAL FLASH DRIVE, USB 1 1476 TUTAL FLASH DRIVE, USB 1 1	14	117623	NUT, cap (3/8-16)					2
16 111801 SCREW, cap, hex hd 17 121471 HINGE, friction, positioning 2 129 101712 NUT, lock 6 6 17 121471 HINGE, friction, positioning 2 129 101712 NUT, lock 6 6 17 17568 DOOR, control shroud 1 1 131 15H392 COUPLING, assy. 2 18 132 244819 COUPLING, assy. 2 19 112380 SCREW, mach, pan head 8 133 244820 CLIP, hairpin with lanyard 2 2 19 1054172 TUBE, nylon, 1/4 OD, black; 10 ft 134 197340 COVER, coupler 2 2 19 1054172 TUBE, nylon, 1/4 OD, black; 10 ft 134 197340 COVER, coupler 2 19 1054172 TUBE, nylon, round; 1.3 ft 136 113796 SCREW, flanged, hex head 1 136 113796 SCREW, cap, hex head 1 136 113796 SCREW, cap, hex head 1 136 113796 SCREW, cap, hex head 1 140 256421 HOSE, siphon, assy. 1 144 157350 ADAPTER; 3/8 npt x 1/4 npt 1 145 157258 TOOL, wrench, Xtreme 1 146 159239 NIPPLE, reducing; 1/2 x 3/8 npt 1 147 17/1724 FLASH DRIVE, USB 1 147 17/1724 FLASH DRIVE, USB 1 147 17/1724 FLASH DRIVE, USB 1 1775003 HOSE, coupled, 1/2-14 npsm, 2 ft 1 1775 105281 3/4 45 degree swivel 1 1775 1775 105281 3/4 45 degree swiv	15	240900	HOSE, coupled, 30 in.			162449		2
17 121471 HINGE, friction, positioning 18 15T568 DOOR, control shroud 1 131 15H392 ROD, adapter 2 2 19 15T567 NUT, backup plate, hinge 2 112380 SCREW, mach, pan head 3 2244819 COUPLING, assy. 2 2 10 12380 SCREW, mach, pan head 3 244820 CLIP, hairpin with lanyard 2 2 10 054172 TUBE, nylon, 1/4 OD, black; 10 ft 2 2 054175 TUBE, nylon, round; 1.3 ft 2 160327 FITTING, union adapter; 90 deg. 2 1137± 054760 TUBE, polyurethane, black; 3.5 ft 2 115313 PLUG, tube 3 115313 PLUG, tube 4 132 244819 COUPLING, assy. 2 2 054175 TUBE, nylon, 1/4 OD, hatural; 7 ft 134 197340 COVER, coupler 2 2 054175 TUBE, pylon, round; 1.3 ft 136± 114958 TIE, strap 10 10 10 10 10 10 10 10 10 10 10 10 10 1	16	111801	SCREW, cap, hex hd		-		_	6
1	17	121471	HINGE, friction, positioning					6
19 15T567 NUT, backup plate, hinge	18	15T568	DOOR, control shroud					2
20 112380 SCREW, mach, pan head 8 133 244820 CLIP, hairpin with lanyard 2 21 054172 TUBE, nylon, 1/4 OD, black; 10 ft 134 197340 COVER, coupler 2 2 054175 TUBE, nylon, 1/4 OD, natural; 7 ft 135 113796 SCREW, flanged, hex head 1 1 136 114958 TIE, strap 10 10 10 114958 TIE, strap 10 10 114958 TIE, strap	19	15T567	NUT, backup plate, hinge	4				2
21 054172 TUBE, nylon, 1/4 OD, black; 10 ft 22 054175 TUBE, nylon, 1/4 OD, natural; 7 ft 23 C12508 TUBE, nylon, round; 1.3 ft 24 160327 FITTING, union adapter; 90 deg. 25 114601 CONDUIT, flexible, non-metallic, 3 ft 28 115313 PLUG, tube 29 121688 CONNECTOR; 3/8 npt x 3/8 tube ptc 30 108636 MUFFLER 31 114434 GAUGE, pressure, fluid, sst 31 114434 GAUGE, pressure, fluid, sst 31 114434 GAUGE, codes, alerts 31 15W598 LABEL, warning 32	20	112380		8				2
22 054175 TUBE, nylon, 1/4 OD, natural; 7 ft 23 C12508 TUBE, nylon, round; 1.3 ft 24 160327 FITTING, union adapter; 90 deg. 27 114601 CONDUIT, flexible, non-metallic, 3 ft 28 115313 PLUG, tube	21	054172	TUBE, nylon, 1/4 OD, black; 10 ft					2
23 C12508 TUBE, nylon, round; 1.3 ft 24 160327 FITTING, union adapter; 90 deg. 27 114601 CONDUIT, flexible, non-metallic, 3 ft 28 115313 PLUG, tube 29 121688 CONNECTOR; 3/8 npt x 3/8 tube ptc 30 108636 MUFFLER 31 114434 GAUGE, pressure, fluid, sst 31 115468 LABEL, warning 32▲ 15T468 LABEL, codes, alerts 31 15W598 LABEL, identification 35才 15U656 LABEL, identification 36 128093 AIR LINE, 1.0 in. 37 15M987 ELBOW; 60 deg. 38 1293547 LHBE, nylon, round; 1.3 ft 39 11798 CCREW, cap, hex head 40 256421 HOSE, siphon, assy. 41 141 181073 STRAINER, inlet 41 142 SCREW, cap 41 144 157350 ADAPTER; 3/8 npt x 1/4 npt 41 15T258 TOOL, wrench, Xtreme 42 146√ 159239 NIPPLE, reducing; 1/2 x 3/8 npt 43 128093 AIR LINE, 1.0 in. 41 15W598 LABEL, identification 41 147‡ 17L724 FLASH DRIVE, USB 41 15M987 ELBOW; 60 deg. 42 175 105281 3/4 45 degree swivel 43 176 116395 SWIVEL, elbow, 1/4 x 1/4 1 44 175002 HOSE, coupled, 1/2-14 npsm, 3 ft 45 H75002 HOSE, coupled, 3/8-18 npsm, 6 ft 56√ 15T396 SIGHTGLASS, beaker, graduated 57 551390 SIGHTGLASS, beaker, graduated 58 H73825 HOSE, coupled; 3/8-18 npsm; 25 ft 59 15B729 COUPLING; 3/8-18 npsm; 25 ft 50 15B729 COUPLING; 3/8-18 npsm; 25 ft 50 15B729 COUPLING; 3/8-18 npsm; 25 ft 50 15B729 COUPLING; 3/8-18 npsm; 3/8-18	22	054175	TUBE, nylon, 1/4 OD, natural; 7 ft				· · · · · · · · · · · · · · · · · · ·	1
24 160327 FITTING, union adapter; 90 deg. 27 114601 CONDUIT, flexible, non-metallic, 3 ft 28 115313 PLUG, tube 8 139 111799 SCREW, cap, hex head 4 29 121688 CONNECTOR; 3/8 npt x 3/8 tube ptc 30 108636 MUFFLER 31 114434 GAUGE, pressure, fluid, sst 31 114434 GAUGE, pressure, fluid, sst 32	23	C12508	TUBE, nylon, round; 1.3 ft					10
27 114601 CONDUIT, flexible, non-metallic, 3 ft 28 115313 PLUG, tube 8 139 111799 SCREW, cap, hex head 4 29 121688 CONNECTOR; 3/8 npt x 3/8 tube ptc 30 108636 MUFFLER 1 141 181073 STRAINER, inlet 1 142 SCREW, cap 1 15T468 LABEL, warning 2 143 100081 BUSHING, pipe 1 34 15W598 LABEL, codes, alerts 1 144 157350 ADAPTER; 3/8 npt x 1/4 npt 1 15U656 LABEL, identification 1 146√ 159239 NIPPLE, reducing; 1/2 x 3/8 npt 1 147 17L724 FLASH DRIVE, USB 1 15M987 ELBOW; 60 deg. 2 175 105281 3/4 45 degree swivel 1 178 17Y184 CABLE, GCA, M12-5P 2 1870 SIGHTGLASS, beaker, graduated 1 178 17Y184 CABLE, tags, and cards are available at no cost. 2 Not assembled.	24	160327	FITTING, union adapter; 90 deg.	2	-			-
28	27	114601	CONDUIT, flexible, non-metallic, 3 ft					1
29 121688 CONNECTOR; 3/8 npt x 3/8 tube ptc 30 108636 MUFFLER 31 114434 GAUGE, pressure, fluid, sst 31 114434 GAUGE, pressure, fluid, sst 32	28	115313	PLUG, tube	8				4
30	29	121688	CONNECTOR; 3/8 npt x 3/8 tube ptc	1				1
31 114434 GAUGE, pressure, fluid, sst 1 142 SCREW, cap 1 1 32▲ 15T468 LABEL, warning 2 143 100081 BUSHING, pipe 1 1 144 157350 ADAPTER; 3/8 npt x 1/4 npt 1 1 145 15T258 TOOL, wrench, Xtreme 1 1 146 159239 NIPPLE, reducing; 1/2 x 3/8 npt 1 1 147 17L724 FLASH DRIVE, USB 1 1 147 17L724 FLASH DRIVE, USB 1 1 15M987 ELBOW; 60 deg. 2 175 105281 3/4 45 degree swivel 1 1 178 17Y184 CABLE, GCA, M12-5P 2 1 1 178 17Y184 CABLE, GCA, M12-5P 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	30	108636	MUFFLER					1
15T468 LABEL, warning 2 143 100081 BUSHING, pipe 1 144 157350 ADAPTER; 3/8 npt x 1/4 npt 1 15W598 LABEL, warning 1 145 15T258 TOOL, wrench, Xtreme 1 146√ 159239 NIPPLE, reducing; 1/2 x 3/8 npt 1 147‡ 17L724 FLASH DRIVE, USB 1 15M987 ELBOW; 60 deg. 2 175 105281 3/4 45 degree swivel 1 178 17Y184 CABLE, GCA, M12-5P 2 178 Replacement safety labels, tags, and cards are available at no cost. 2 Not assembled.	31	114434	GAUGE, pressure, fluid, sst	1			•	1
1 144 157350 ADAPTER; 3/8 npt x 1/4 npt 1 145 15T258 TOOL, wrench, Xtreme 1 146	32▲	15T468	LABEL, warning	2		100081	· · · · · · · · · · · · · · · · · · ·	1
34▲ 15W598 LABEL, warning 1 145 15T258 TOOL, wrench, Xtreme 1 35‡ 15U656 LABEL, identification 1 146√ 159239 NIPPLE, reducing; 1/2 x 3/8 npt 1 38 293547 LABEL, identification 1 147‡ 17L724 FLASH DRIVE, USB 1 50 128093 AIR LINE, 1.0 in. 1 156‡ 126786 WRENCH, restrictor 1 51 15M987 ELBOW; 60 deg. 2 175 105281 3/4 45 degree swivel 1 53 H75003 HOSE, coupled, 1/2-14 npsm, 3 ft 3 176 116395 SWIVEL, elbow, 1/4 x 1/4 1 54 H75002 HOSE, coupled, 3/8-18 npsm, 6 ft 2 55√ H53806 HOSE, coupled, 3/8-18 npsm, 6 ft 2 56√ 15T396 TUBE, recirculation 2 57‡ 551390 SIGHTGLASS, beaker, graduated 10 58 H73825 HOSE, coupled; 3/8-18 npsm; 25 ft 1 59 15B729 COUPLING; 3/8-18 npsm x 3/8-18 1 145 15 Ty258 TOOL,	33			1			· • •	1
35‡ 15U656 LABEL, identification 1 146√ 159239 NIPPLE, reducing; 1/2 x 3/8 npt 1 146√ 159239 NIPPLE, reducing; 1/2 x 3/8 npt 1 147‡ 17L724 FLASH DRIVE, USB 1 147‡ 17L724 FLASH DRIVE, USB 1 156‡ 126786 WRENCH, restrictor 1 15M987 ELBOW; 60 deg. 2 175 105281 3/4 45 degree swivel 1 176 116395 SWIVEL, elbow, 1/4 x 1/4 1 178 17Y184 CABLE, GCA, M12-5P 2 1 178 17Y184 CABLE, GCA, M12-5P 2 1 178 17Y184 CABLE, GCA, M12-5P 2 1 1 178 17Y184 CABLE, GCA, M12-5P 2 1 1 178 17Y184 CABLE, GCA, M12-5P 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	34▲			1				1
38	35#	15U656	LABEL, identification	1				1
50 128093 AIR LINE, 1.0 in. 1 156‡ 126786 WRENCH, restrictor 1 1 15M987 ELBOW; 60 deg. 2 175 105281 3/4 45 degree swivel 1 1 175 105281 3/4 45 degree swivel 1 1 175 105281 3/4 45 degree swivel 1 1 176 116395 SWIVEL, elbow, 1/4 x 1/4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	38		LABEL, identification	1				1
51 15M987 ELBOW; 60 deg. 2 175 105281 3/4 45 degree swivel 1 53 H75003 HOSE, coupled, 1/2-14 npsm, 3 ft 54 H75002 HOSE, coupled, 1/2-14 npsm, 2 ft 55√ H53806 HOSE, coupled, 3/8-18 npsm, 6 ft 56√ 15T396 TUBE, recirculation 2	50	128093	AIR LINE, 1.0 in.	1	-		•	1
53 H75003 HOSE, coupled, 1/2-14 npsm, 3 ft 54 H75002 HOSE, coupled, 1/2-14 npsm, 2 ft 55	51	15M987	ELBOW; 60 deg.					1
54 H75002 HOSE, coupled, 1/2-14 npsm, 2 ft 55√ H53806 HOSE, coupled, 3/8-18 npsm, 6 ft 56√ 15T396 TUBE, recirculation 57‡ 551390 SIGHTGLASS, beaker, graduated 58 H73825 HOSE, coupled; 3/8-18 npsm; 25 ft 59 15B729 COUPLING; 3/8-18 npsm x 3/8-18 1 178 17Y184 CABLE, GCA, M12-5P 2 A Replacement safety labels, tags, and cards are available at no cost. ‡ Not shown. √ Not assembled.	53	H75003	HOSE, coupled, 1/2-14 npsm, 3 ft	3				1
55√ H53806 HOSE, coupled, 3/8-18 npsm, 6 ft 56√ 15T396 TUBE, recirculation 57‡ 551390 SIGHTGLASS, beaker, graduated 58 H73825 HOSE, coupled; 3/8-18 npsm; 25 ft 59 15B729 COUPLING; 3/8-18 npsm x 3/8-18 2		H75002	· · · · · · · · · · · · · · · · · · ·					2
56√ 15T396 TUBE, recirculation 2 57‡ 551390 SIGHTGLASS, beaker, graduated 58 H73825 HOSE, coupled; 3/8-18 npsm; 25 ft 59 15B729 COUPLING; 3/8-18 npsm x 3/8-18							,	
57‡ 551390 SIGHTGLASS, beaker, graduated 10 at no cost. 58 H73825 HOSE, coupled; 3/8-18 npsm; 25 ft 1			· · · · · · · · · · · · · · · · · · ·	2	▲ Rep	lacement s	safety labels, tags, and cards are availa	ble
58 H73825 HOSE, coupled; 3/8-18 npsm; 25 ft 1				10	-		-	
59 15B729 COUPLING; 3/8-18 npsm x 3/8-18 1 / Not assembled.				1				
√ NOL assettiblea.				1	-		4	
			npt		y 110t	4336/110/60	a.	

Parts Varying by Pump Set

See Models, page 9, to determine which pump set is equipped on your system.

XM1___ Models

Ref.	Part	Description	XM Plural Compone	ent Sprayer Models
Kei.	Part	Description	XM1A00	XM1D00
52	117623	NUT, cap		
66	L250C4	LOWER, A side; see English manual 311762	1	1
	L250C3	LOWER, A side (without filter); see English manual 311762		
67	L220C4	LOWER, B side; see English manual 311762	1	1
	L220C3	LOWER, B side (without filter); see English manual 311762		
69	17P248	LABEL, motor, A side	1	1
70	17P249	LABEL, motor, B side	1	1
76	121295	SCREW, cap, socket head		
77		LABEL, system	1	
				1
80	158491	NIPPLE; 1/2 npt	2	2
81	100361	PLUG, pipe		
82	15R529	BLOCK, fluid distribution		
83	156684	UNION, adapter		
84	121139	O-RING; PTFE		
85	15J594	HOUSING, check valve		
86	15J916	HANDLE, blue		
87	15R380	HANDLE, green		
88	255747	CARTRIDGE, valve		
89	262522	CARRIAGE, remote mix manifold		
92	113796	SCREW, flanged, hex head	1	1
93	111801	SCREW, cap, hex head		
94	113498	VALVE, relief; 110 psi (0.76 MPa, 7.6 bar)	1	1
100√	222200	VALVE, restrictor	2	2
102√	156849	PIPE, nipple; 3/8 npt	2	2
108		LABEL, XM50	1	1
		LABEL, XM70		
112		CABLE, CAN, IS, display to USB; female B/female B	1	
116†	158683	ELBOW, 90 deg.		
126	H42506	HOSE, coupled, 4500 psi	1	1
128#	224458	STRAINER, pump; 30 mesh (qty. of 2)	1	1
152	162505	UNION, swivel; 3/8 male x 1/2 female npt		
153	155699	ELBOW, street; 3/8-18 npt		
154	159239	NIPPLE, pipe; 1/2 x 3/8 npt		
155	164672	ADAPTER		

[†] Must purchase when installing fluid heaters on a non-heated sprayer.

√Not assembled.

[‡] Not shown.

XM3___ Models

			XM Plural Compone	XM Plural Component Sprayer Models		
Ref.	Part	Description	XM3A00	XM3D00		
52	117623	NUT, cap				
66	L180C4	LOWER, A side; see English manual 311762	1	1		
	L180C3	LOWER, A side (without filter); see English manual 311762				
67	L145C4	LOWER, B side; see English manual 311762	1	1		
	L145C3	LOWER, B side (without filter); see English manual 311762				
69	17U825	LABEL, motor, A side	1	1		
70	17U826	LABEL, motor, B side	1	1		
76	121295	SCREW, cap, socket head				
77		LABEL, system	1			
				1		
80	158491	NIPPLE; 1/2 npt	2	2		
81	100361	PLUG, pipe				
82	15R529	BLOCK, fluid distribution				
83	156684	UNION, adapter				
84	121139	O-RING; PTFE				
85	15J594	HOUSING, check valve				
86	15J916	HANDLE, blue				
87	15R380	HANDLE, green				
88	255747	CARTRIDGE, valve				
89	262522	CARRIAGE, remote mix manifold				
92	113796	SCREW, flanged, hex head	1	1		
93	111801	SCREW, cap, hex head				
94	116643	VALVE, relief; 90 psi (0.63 MPa, 6.3 bar)	1	1		
100√	222200	VALVE, restrictor	2	2		
102√	156849	PIPE, nipple; 3/8 npt	2	2		
108		LABEL, XM50				
		LABEL, XM70	1	1		
112		CABLE, CAN, IS, display to USB; female B/female B	1			
116†	158683	ELBOW, 90 deg.				
126	H42506	HOSE, coupled, 4500 psi	1	1		
128‡	224458	STRAINER, pump; 30 mesh (qty. of 2)	1	1		
152	162505	UNION, swivel; 3/8 male x 1/2 female npt				
153	155699	ELBOW, street; 3/8-18 npt				
154	159239	NIPPLE, pipe; 1/2 x 3/8 npt				
155	164672	ADAPTER				

[†] Must purchase when installing fluid heaters on a non-heated sprayer.

√ Not assembled.

[‡] Not shown.

XM5___ Models

			XM-50 Plural Compo	nent Sprayer Models
Ref.	Part	Description	XM5A00	XM5D00
52	117623	NUT, cap	2	2
66	L250C4	LOWER, A side; see English manual 311762	1	1
	L250C3	LOWER, A side; see English manual 311762		
67	L220C4	LOWER, B side; see English manual 311762	1	
	L220C3	LOWER, B side; see English manual 311762		
69	17P248	LABEL, motor, A side	1	1
70	17P249	LABEL, motor, B side	1	1
76	121295	SCREW, cap, socket head	8	8
77		LABEL, system	1	
		LABEL, system		1
80	158491	NIPPLE; 1/2 npt	5	5
81	100361	PLUG, pipe	2	2
82	15R529	BLOCK, fluid distribution	2	2
83	156684	UNION, adapter	2	2
84	121139	O-RING; PTFE	2	2
85	15J594	HOUSING, check valve	2	2
86	15J916	HANDLE, blue	1	1
87	15R380	HANDLE, green	1	1
88	255747	CARTRIDGE, valve	2	2
89	262522	CARRIAGE, remote mix manifold	1	1
92	113796	SCREW, flanged, hex head	1	1
93	111801	SCREW, cap, hex head	8	8
94	113498	VALVE, relief; 110 psi (0.76 MPa, 7.6 bar)	1	1
100√	222200	VALVE, restrictor	3	3
102❖	156849	PIPE, nipple; 3/8 npt	3	3
108		LABEL, XM50	1	1
		LABEL, XM70		
112		CABLE, CAN, IS, display to USB; female B/female B	1	
116†	158683	ELBOW, 90 deg.		
126	H42506	HOSE, coupled, 4500 psi		
128#	224458	STRAINER, pump; 30 mesh (qty. of 2)	1	1
152	162505	UNION, swivel; 3/8 male x 1/2 female npt	1	1
153		ELBOW, street; 3/8-18 npt	1	1
154	159239	· · · · · · · · · · · · · · · · · · ·	1	1
155	164672	ADAPTER	1	1
174	16N367		1	1

[†] Must purchase when installing fluid heaters on a non-heated sprayer.

[‡] Not shown.

[√] Not assembled.

[❖] Assemble remote restrictor valve.

XM7___ Models

			XM-50 Plural Compo	XM-50 Plural Component Sprayer Models		
Ref.	Part	Description	XM7A00	XM7D00		
52	117623	NUT, cap	2	2		
66	L180C4	LOWER, A side; see English manual 311762	1	1		
	L180C3	LOWER, A side; see English manual 311762				
67	L145C4	LOWER, B side; see English manual 311762	1	1		
	L145C3	LOWER, B side; see English manual 311762				
69	17U825	LABEL, motor, A side	1	1		
70	17U826	LABEL, motor, B side	1	1		
76	121295	SCREW, cap, socket head	8	8		
77		LABEL, system	1			
		LABEL, system		1		
80	158491	NIPPLE; 1/2 npt	5	5		
81	100361	PLUG, pipe	2	2		
82	15R529	BLOCK, fluid distribution	2	2		
83	156684	UNION, adapter	2	2		
84	121139	O-RING; PTFE	2	2		
85	15J594	HOUSING, check valve	2	2		
86	15J916	HANDLE, blue	1	1		
87	15R380	HANDLE, green	1	1		
88	255747	CARTRIDGE, valve	2	2		
89	262522	CARRIAGE, remote mix manifold	1	1		
92	113796	SCREW, flanged, hex head	1	1		
93	111801	SCREW, cap, hex head	8	8		
94	116643	VALVE, relief; 90 psi (0.63 MPa, 6.3 bar)	1	1		
100√	222200	VALVE, restrictor	3	3		
102�	156849	PIPE, nipple; 3/8 npt	3	3		
108		LABEL, XM50				
		LABEL, XM70	1	1		
112		CABLE, CAN, IS, display to USB; female B/female B	1			
116†	158683	ELBOW, 90 deg.				
126		HOSE, coupled, 4500 psi				
128‡	224458	STRAINER, pump; 30 mesh (qty. of 2)	1	1		
152	162505	, , , , , , , , , , , , , , , , , , ,	1	1		
153	155699	<u> </u>	1	1		
154	159239	· · · · · · · · · · · · · · · · · · ·	1	1		
155	164672		1	1		
174	16N367		1	1		

[†] Must purchase when installing fluid heaters on a non-heated sprayer.

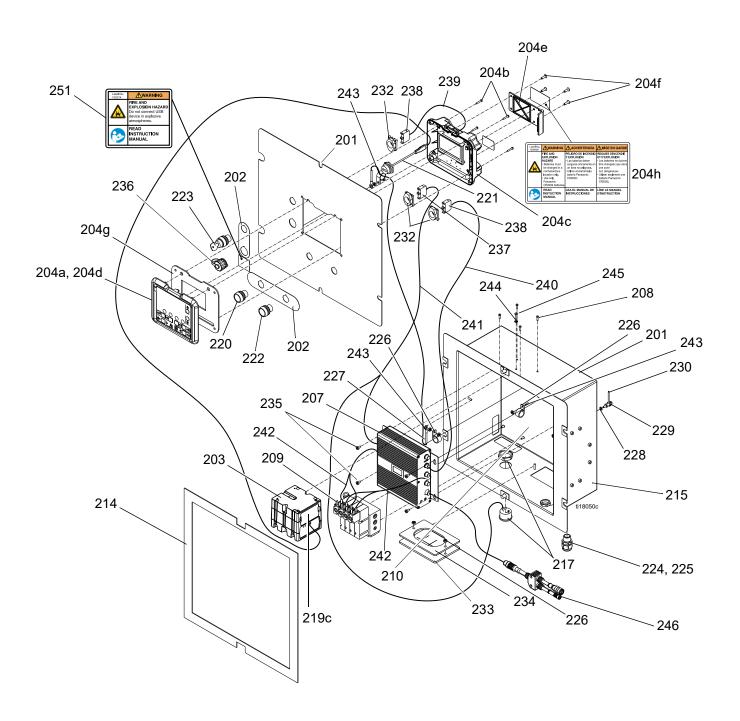
[‡] Not shown.

[✓] Not assembled.

[❖] Assemble remote restrictor valve.

Control Box (255771) Parts

Air Power and Electric Power Versions



Control Box (255771) Parts List

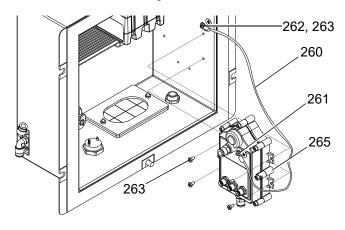
Ref.	Part	Description	Qty.
201		BOX, control	1
202		LABEL, control display	1
203†	262641	KIT, replacement, USB; includes	1
		219 and 206	
204●	257484	MODULE, display, kit	
204a	15M483	SHIELD, membrane, display	1
		(qty. 10)	
204b		SCREW, pan head; #6 x 7/8 in.	4
204c●	288997	CASE, rear, display module, IS	1
		version	
204d	255727	CASE, front, data module	1
204e	277463	COVER, access, low level	1
		display	_
204f	113768	SCREW, socket, flat head	4
204g	15R458	GASKET, control, front panel	1
204h ▲	15W958)	1
205†	262642	KIT, replacement, display;	1
		includes 204 and 206	
206	17E110	TOKEN, software	1
207†	262643	KIT, replacement, FCM;	1
		includes 218 and 206	
208		SCREW, pan head	4
209	256555	MODULE, solenoid, IS version	1
209a	121636	VALVE, solenoid, din connector	4
209b	15A798	GASKET, solenoid, outlet	1
209c	15A799	GASKET, solenoid,	1
		inlet/exhaust	
210	106084	SCREW, machine, pan head	2
214	15R379	GASKET, box, control	1
215		LABEL	1
216#	15B056	LABEL, air motor/dosing valve	1
217	122000	ALARM, panel mount	1
218●	255920	MODULE, fluid control	1
219●	257088	MODULE, USB, assy.	
219a	289899	BASE	1
219b●	289900	MODULE, USB	1
219c	277674	DOOR, module	1
220	121618	SWITCH, start, push button,	1
		green	
221	15R324	HARNESS, USB,	1
		plug/bulkhead; 32 in.	
222	121619	SWITCH, stop, push button, red	1
223	121617	SWITCH, 2 position, key,	1
		controls	
223a‡	123412	KEY, replacement (pair)	
224	117745	BUSHING, strain relief	1
225	117625	NUT, locking	1
226	113505	NUT, keps, hex head	6
<u> </u>		, , ,	

Ref.	Part	Description	Qty.
227	15B090	WIRE, grounding, door	1
228		WASHER, lock, external	1
229	15R343	CLAMP, ground, electrical	1
230	065213	WIRE, copper, elect	3
231#	172953	LABEL, designation	2
232	120493	LATCH, mounting	3
233	15H189	BOOT, wire feed through	1
234	15G816	COVER, plate, wire	1
235	110637	SCREW, machine, pan head	4
236	15R325	COVER, dust, bulkhead	1
		receptacle	
237	120494	BLOCK, switch, n.o.	2
238	120495	BLOCK, switch, n.c.	1
239	15M974	HARNESS, key switch	1
240	15M975	HARNESS, start/alarm	1
241	15M976	HARNESS, stop	1
242	15M977	HARNESS, solenoid	2
243	121988	RETAINER, routing, wire	4
		harness	
244	195875	SCREW, machine, pan head	1
245	102063	WASHER, lock	1
246	17X475	CABLE, splitter	2
251▲		LABEL, warning, USB	1
	15X214	English	
	15X393	All languages	
252‡	122829	CONDUIT; 0.75 ft.	-

- ▲ Replacement safety labels, tags, and cards are available at no cost.
- ‡ Not shown.
- Base electronic components do not have XM-specific software installed. Therefore, use software upgrade token (206) to install software before use.
- † Includes software token (206) and instruction sheet.

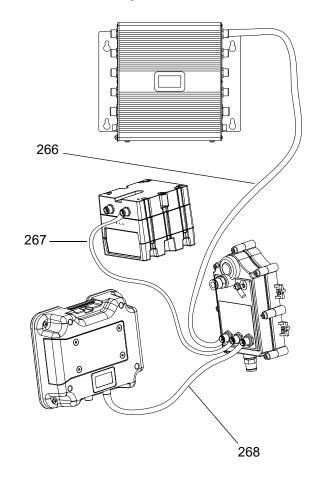
Control Box Power Supply Options

Alternator Assembly

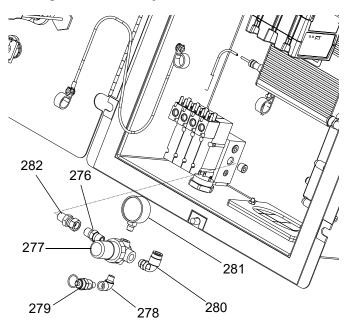


Ref.	Part	Description	Qty.
260	15B090	WIRE, grounding, door	1
261	100284	NUT, hex	1
262	102063	WASHER, lock; carbon steel	1
263	110637	SCREW, machine pan head	5
264#	C12508	TUBING, round; nylon; 5.0 ft	
265	255728	ALTERNATOR, module; see page 89	1
266	15V778	CABLE, CAN, IS, female B/female B; 20 in.	1
267	15V782	CABLE, CAN, IS, male B/female B; 20 in.	1
268	15V783	CABLE, CAN, IS, female A/male B; 39 in.	1

Alternator Assembly Cable Connections

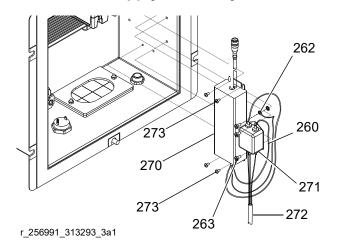


Air Regulator Assembly

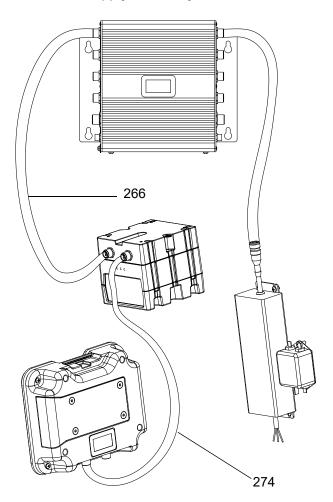


Ref.	Part	Description	Qty.
276		NIPPLE, short; 2 x 1/4-18 npt	1
277		REGULATOR, air; 1/4 npt	1
278	112307	ELBOW, union; 90 deg.; 1/8 npt(f)	1
		x 1/8 npt(m); carbon steel	
279		VALVE, safety, regulator	1
280		ELBOW, swivel, male; 1/4 npt	1
281		GAUGE, air pressure	1
282	156823	SWIVEL, union; 2 x 1/4-18 npt	1

Wall Power Supply Assembly



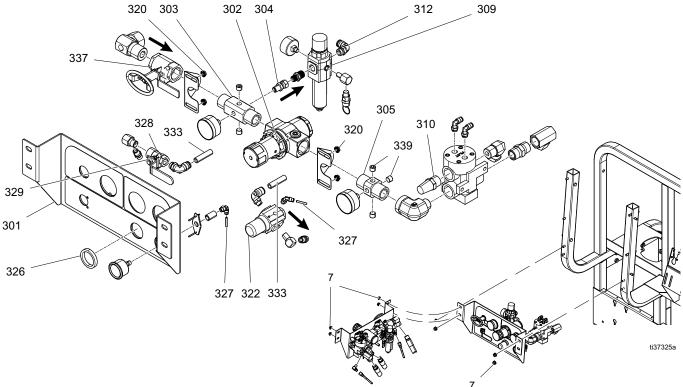
Wall Power Supply Assembly Cable Connections



Ref.	Part	Description	Qty.
260	15B090	WIRE, grounding, door	1
262	102063	WASHER, lock; carbon steel	1
263	110637	SCREW, machine pan head	3
266	15V778	CABLE, CAN, IS, female B/female B; 20 in.	1
270	15V747	POWER SUPPLY; 24V, 2.5A, 60W	1
271	115306	FILTER, power supply	1
272 X		CABLE, power, control box	1
272a‡	15X407	CABLE, power, US plug	1
272b#	15Y685	CORD; 240V, 10A, IEC320	1
	195551	RETAINER, adapter, cord	1
	242001	CORD, set, adapter, Europe	1
	242005	CORD, set, adapter, Australia	1
273	100035	SCREW, machine pan head	4
274	15V779	CABLE, CAN, IS, female B/female B; 39.4 in.	1

- **X** Used on XM_A_ models only.
- ‡ Not shown.

Air Controls Module (26C688) Parts

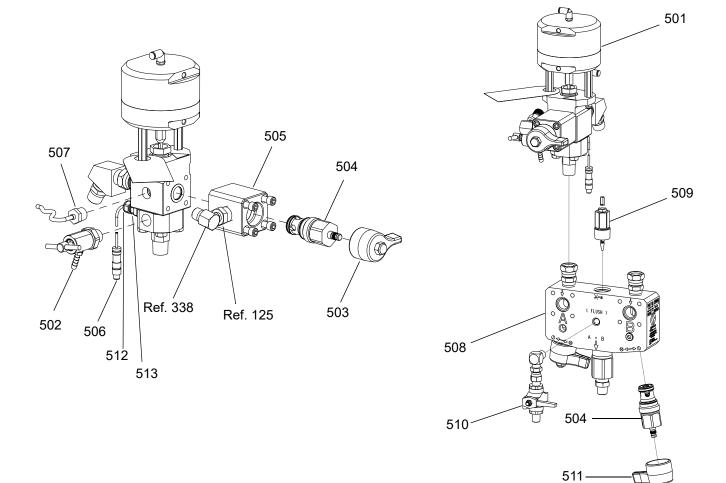


Ref.	Part	Description	Qty.
301		BRACKET, air controls	1
302	132186	REGULATOR, 1 in.	1
303	18B018	MANIFOLD, air, 1 in. m x 1 in. m,	1
		long	
304	156823	FITTING, union, swivel	1
305	18B019	MANIFOLD, air, 1 in. m x 1 in. m,	1
		short	
306	132185	FITTING, elbow, 3/4 m x 1 in. f	1
307	15R485	VALVE, dual pilot	1
308	157350	ADAPTER	1
309	15R488	REGULATOR, air	1
310	15R486	MUFFLER, bronze sintered	1
311	101689	GAUGE, press, air	2
312	114316	FITTING, elbow, male, swivel	1
313*	114109	FITTING, elbow, male, swivel,	2
		1/4 OD tube	
314	158962	FITTING, elbow, st pipe, rdcg	1
315	116643	VALVE, safety, relief, air	1
316	119992	FITTING, pipe, nipple, 3/4 x 3/4	1
		npt	
317	156589	FITTING, union, adapter, 90 deg	1
318	113911	GAUGE, pressure, air	1
319		BRACKET, adj, small, air controls	2
320	115942	NUT, hex, flange head	4

Ref.	Part	Description	Qty.
321	18B073	LABEL, control, air, xm-skid	1
322	116513	REGULATOR, air	1
323	121424	GAUGE, pressure, panel mount, 1.5 in.	1
324	100451	COUPLING	1
325	114151	FITTING, elbow, male, swivel	2
326	116514	NUT, regulator mnt	1
327		TUBE, pe, rnd	0.6
328	121457	VALVE, ball, air, panel mounted	1
329	100264	SCREW, mach, pnh	2
330	164259	FITTING, elbow, street	1
331	114114	FITTING, elbow, male, swivel	1
332	162453	FITTING,(1/4 npsm x 1/4 npt)	2
333		TUBE, polyurethane, rnd, black	2
334	114128	FITTING, elbow, male, swivel	1
335	100840	FITTING, elbow, street	1
336	160327	FITTING, union adapter,90 deg	1
337	18B020	VALVE, ball, 1 in.	1
338	102806	FITTING, union, adapter, 90 deg	1
339		PLUG, pipe	5
340		TAPE, tfe, sealant	1
341		SEALANT, pipe, sst	1

Series A models used fitting 114469 for a 5/32 signal line tube.

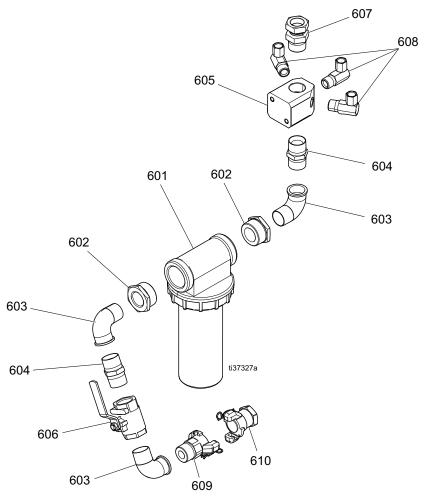
Fluid Control Assembly Parts



Ref.	Part	Description	Qty.
501 +	255478	VALVE, dosing	2
502★	245143	VALVE, sampling	2
503₩	15R381	HANDLE, valve, recirculation (black)	2
504❖*	255747	CARTRIDGE, valve, check	4
505₩	15J594	HOUSING, valve, check	2
505a	121139	O-RING, valve; PTFE	2
506	15R347	SENSOR, RTD	2
507	15M669	SENSOR, fluid, pressure	2
507a	121399	O-RING, transducer, pressure	2
508◆	255684	MANIFOLD, mix, assy	1
509◆		VALVE, restrictor, assy	1
510◆	214037	VALVE, solvent, shutoff, assy	1
511◆		HANDLE, valve, mix manifold	2
		(blue and green)	
512	15T072	GRIP, cord	2
513	15T071	FITTING, thermo-well	2

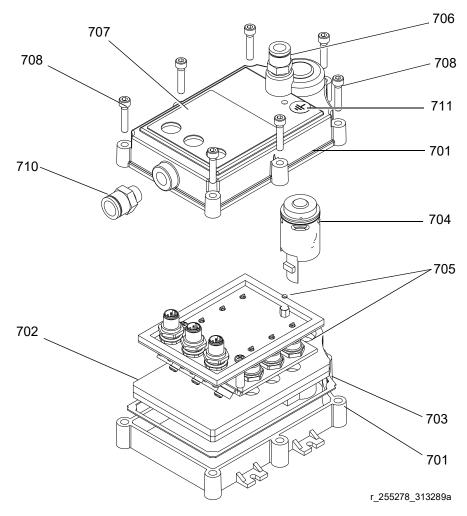
- + See your Dosing Valve manual for more information.
- ★ See your Xtreme Displacement Pump manual for more information. Repair kit 245145 is available for order.
- See your High Flow Severe Duty Shutoff Check Valve manual for more information.
- ◆ See your XM Mix Manifold Kits manual for more information and part numbers.
- * Seal kit 256239 is available for order.

Air Inlet Manifold (26C689) Parts



Ref.	Part	Description	Qty.
601	16T236	FILTER, air, 1-1/4, auto chain	1
601a	106204	FILTER ELEMENT	1
602	C19668	BUSHING, 1-1/4 x 1 npt carbon	2
603	110300	FITTING, elbow, street, pipe	3
604	158585	FITTING, nipple	1
605	18B021	MANIFOLD, air distribution	1
606	113163	VALVE, ball, vented	1
607	160022	FITTING, swivel	1
608	161037	FITTING, elbow, swivel	3
609	127784	FITTING, universal, claw	1
610	127785	FITTING, universal, claw	1

Alternator Module (255728) Parts

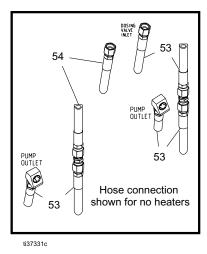


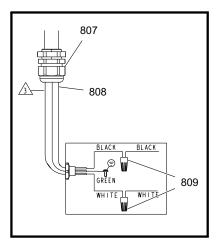
Ref.	Part	Description	Qty.
701		HOUSING, upper and lower	1
702		GASKET, stacked, internal	1
703		GASKET, housing	1
704	257147	TURBINE	1
705		BOARD, assy.	1
706	122161	FITTING, air	1
707▲	15R337	LABEL, warning	1
708	114380	SCREW, cap, socket head	7
709%	C12508	TUBING, nylon; 2 ft.	-
710	122848	FITTING, air	1
711▲	172953	LABEL, grounding	1

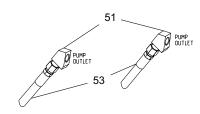
▲ Replacement safety labels, tags, and cards are available at no cost.

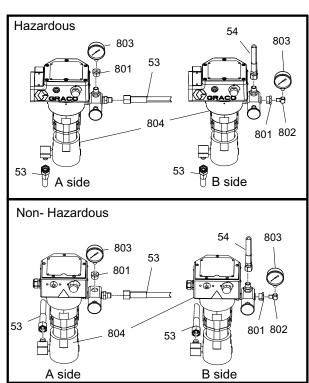
* Not shown.

Primary Fluid Heater Parts





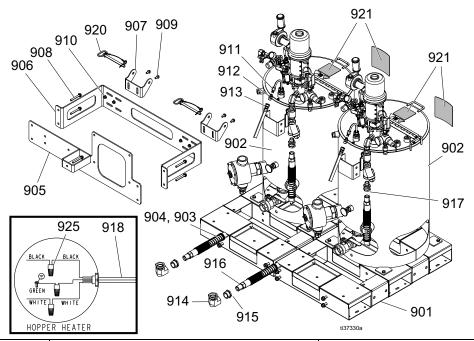




				Q	ty.	
Ref.	Part	Description	2	40V	480V	
Rei.	Part	Description	Standard	Hazardous	Standard	Hazardous
			Α	В	С	D
51	15M987	FITTING, elbow, 60 degree	2	2	2	2
53	H75003	HOSE, cpld, 7250 psi, 0.5 ID, 3 ft	3	3	3	3
54	H75002	HOSE, cpld, 7250 psi, 0.5 ID, 2 ft	1	1	1	1
801	C19681	BUSHING, pipe	2	2	2	2
802	100840	FITTING, elbow	1	1	1	1
803	551387	GAUGE, fluid pressure	2	2	2	2
804*	24W248	HEATER, hf, hazardous, thermostat				2
	26C476	HEATER, hf, hazardous, tstat, 240V, XMS		2		
	24P016	HEATER, hf, non-hazardous, tstat, 240V, XMS	2			
	26C475	HEATER, hf, non-hazardous, tstat, 480V, XMS			2	
807	116171	BUSHING, strain relief	2			2
808	15T967	CABLE, heater, fluid, 3cond, 12 GA	2			2
809	122032	NUT, wire	4			4
810		SEALANT, pipe, sst	1	1	1	1

^{*} See your Viscon HF heater manual for parts and repair.

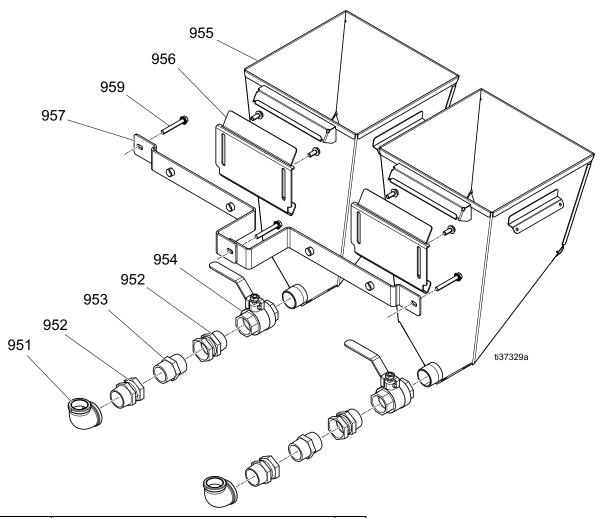
25-Gallon Hopper Parts



			Q	ty.
Ref.	Part	Description	240V	480V
			Α	В
901	26C549	BASE, hopper stand	2	2
902*	26C482	HOPPER, XPS	2	
	26C279	HOPPER, XPS, 480V		2
903		SCREW, cap, flng hd	8	8
904	112731	NUT, hex, flanged, 1/2-13	8	8
905		BRACKET, accessory, rear, XM	1	1
906		BRACKET, support, rear, XM	1	1
907		BRACKET, attachment, tank	2	2
908	125626	SCREW, hex hd, flanged	5	5
909	112395	SCREW, cap, flng hd	12	12
910	112958	NUT, hex, flanged, 3/8-16	12	12
911	17V987	TUBE, recirculation	2	2
912	112100	ADAPTER, male	2	2
913	H53806	HOSE, cpld, 5600 psi, 0.375 ID, 6 ft	2	2
914	121571	FITTING, elbow, female, swivel, 1 1/4	2	2
915	C19662	BUSHING, 1-1/4 x 1 npt cs	2	2
916	237522	HOSE, coupled	2	2
917	16W967	FITTING, swivel, 3/4 npt x 1 npsm	2	2
918	17X398	HARNESS, sw2 to hopper a	2	2
919	109131	HOSE, coupled, 061089, 10f	2	2
920	115473	PIN, hitch	2	2
921	15R424	LABEL, A-B identification	1	1
922		SEALANT, pipe, sst	1	1
925	122032	NUT, wire	6	6

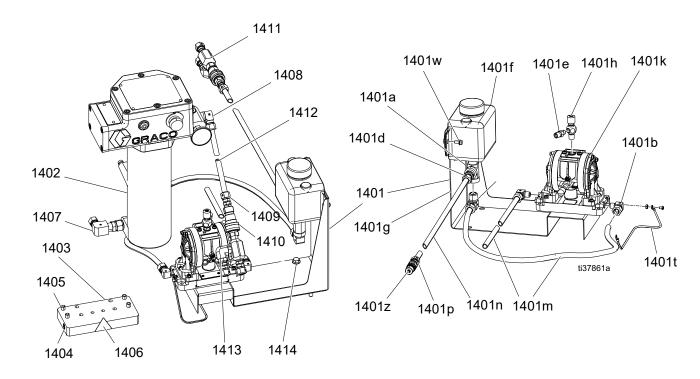
^{*} See your double wall stainless lined hopper manual for parts and repair information.

10-Gallon Hopper Parts



Ref.	Part	Description	Qty.
951	126939	FITTING, elbow, 90 degree, female, reducing	2
952	113864	UNION, swivel, 1 1/2 npt	4
953	121441	FITTING, nipple, hex, 1 1/2 npt	2
954	121440	VALVE, ball, 1 1/2 npt	2
955	17E114	HOPPER, weldment, Xtreme	2
956	17G707	BRACKET, hopper, XM	2
957	256252	BRACKET, hopper, b-mt, upper, painted	2
958	111192	SCREW, hex hd, flanged	4
959	121488	SCREW, hex hd, flanged	3
960		SEALANT, pipe, sst (not shown)	1

Water-Jacketed Heated Hose



Ref.	Part	Description	Qty.
1401		PUMP, XP-HF, htd-hose-re-circ	1
1401a	108126	FITTING, tee, street	1
1401b	126897	FITTING, elbow, 1/2 tube x 1/4	2
		nptm	
1401c	126898	FITTING, elbow, 1/2 tube x 1/2	1
		nptm	
1401d	126899	FITTING, 1/2 tube x 1/2 nptm	1
1401e	16D939	FITTING, nipple, reducing	1
1401f	16R871	BOTTLE, overflow, 1/2 npt	1
1401g	16T745	BRACKET, water circ, mount,	1
		paint	
1401h	206264	VALVE, needle	1
1401k	24P835	PUMP, acetal, w/pvdf check,	1
		Husky	
1401w	113161	SCREW, flange, hex hd	2
1401m	17N910	TUBE, 34 in. x 0.5 o.d., nylon	2
1401n	17N911	TUBE, blue, 0.5 o.d., nylon	1
1401p	126900	FITTING, 1/2 tube x 3/8 nptm	1
1401z		FITTING, nipple, quick coupling	1
1401t	17N595	WIRE, ground, door to	1
		enclosure	
1402	245863	HEATER, paint	1
1403	16T294	PLATE, heater transfer, pfp 2k	1
1404	100721	PLUG, pipe	2
1405	112785	SCREW, hex hd, flanged	4

Ref.	Part	Description	Qty.
1406	189285	LABEL, safety, burn	1
1407	126896	FITTING, elbow,1/2 tube x 1/2 nptf	1
1408	126898	FITTING, elbow,1/2 tube x 1/2 nptm	1
1409	126900	FITTING, 1/2 tube x 3/8 nptm	1
1410	17D306	FITTING, coupler, quick coupling	1
1411	17P594	FITTING, assy, hose coupler, split	1
1412	17P759	TUBE, 48 in. x 0.5 o.d., nylon	1
1413	17S051	FITTING, assy, hose nipple, split	1
1414	112395	SCREW, cap, flng hd	2
1415		SEALANT, pipe, sst	1
*		TAPE, tfe, sealant	1
* N	ot Shown		•

Repair and Spare Parts Reference

Ref.	Part	Description	Qty.	Part of Assembly
2	XL65D2	Motor w/linear transducer	2	Motor
2a	26C331	Linear sensor	2	Motor
60	262478	Mixer housing, no mixer; 1/2 in. ID, 3/8 nptm	2	System
61	248927	Mixer sticks; 1/2 in. x 12 element, package of 25	2	System
64	XTR724	XTR spray gun; 7250 psi; includes 519 RAC tip	1	System
64a	XHD001	RAC guard, housing, replacement	1	System
64b	XHDxxx	RAC tip, seal, gasket, x indicates tip size	1	System
66	L250C4	Xtreme displacement pump L250C3 w/o filter	1	XM50 "A" pump
66	25D247	Repair kit with PTFE packings	1	XM50 "A" pump
66	25D237	Repair kit with UHWPE/leather packings	1	XM50 "A" pump
66	L180C4	Xtreme displacement pump L180C3 w/o filter	1	XM70 "A" pump
66	25D245	Repair kit with PTFE packings	1	XM70 "A" pump
66	25D235	Repair kit with UHWPE/leather packings	1	XM70 "A" pump
67	L220C4	Xtreme displacement pump L220C3 w/o filter	1	XM50 "B" pump
67	25D246	Repair kit with PTFE packings	1	XM50 "B" pump
67	25D236	Repair kit with UHWPE/leather packings	1	XM50 "B" pump
67	L145C4	Xtreme displacement L145C3 w/o filter	1	XM70 "B" pump
67	25D244	Repair kit with PTFE packings	1	XM70 "B" pump
67	25D234	Repair kit with UHWPE/leather packings	1	XM70 "B" pump
67a	224458	Filter screens; 30 mesh, package of 2 (optional)	1	Pump
67a	224459	Filter screens;60 mesh, package of 2 (optional)	1	Pump
67b	244895	Filter o-rings; PTFE, package of 10 (thin)	2	Pump
67b	262484	Filter o-rings; package of 10 (medium), PTFE	2	Pump
67b	262483	Filter o-rings; PTFE, package of 10 (thick)	2	Pump
72	15T258	Wrench, Xtreme pump	1	System
75	206995	TSL; quart bottle	1	System
88	255747	Cartridge, circulation, shut-off, mix manifold valves	4-6	Shut-off/check
88a	256239	Seal kit for cartridge valves	4-6	Shut-off/check
100a	223016	Repair kit for b/p restrictor valve	2	System
147	17L724	Flash drive for USB download	1	Control
204a	15M483	Membrane shields, package of 10	1	Control
209a	121636	Solenoid valve, individual replacement valve with DIN	4	Control
223a	123412	Spare key; one pair	1	Controls
344a	123454	Control filter; 5 micron, replacement element	1	Air controls;
501a	234098	Seal kit; include soft parts, old and new dosing valve	2	Dosing valve
501b	234131	Rebuild kit; includes seals, stem, seat, and air spring	2	Dosing valve
502	245143	Sample valve; complete valve	2	Dosing valve
502a	245145	Sample valve kit; includes o-rings, ball, seat, clip	2	Dosing valve
505b	121139	Circulation valve seal; face o-ring, -210, PTFE	2	Dosing valve
507b	121399	Transducer seal; o-ring, -012, solvent resistant rubber	2	Dosing valve
508a	256238	Repair kit; includes seals, balls, seats, shut-off stems	1	Mix manifold
508b	551387	Fluid gauge, bottom mount; 10,000 psi (690 bar)	1	Mix manifold
508c	114434	Fluid gauge, back mount; 10,000 psi (690 bar)	1	Mix manifold
508d	185416	B-side strainer; 40 mesh (use tool 15T630)	1	Mix manifold

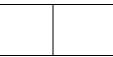
Ref.	Part	Description	Qty.	Part of Assembly
508e	121410	Strainer o-ring; PTFE, -113, strainer restrainer	1	Mix manifold
508f	15T630	Strainer tool (push in 121410 o-ring + shut-off u-cup)	1	Mix manifold
510	214037	Flush valve, ball; 1/4 npt(m) PTFE	1	Mix manifold
604a	106204	Main air filter, element (fits 3/4 npt air filters)	1	Air controls
704	257147	Turbine cartridge (fits 255728 XM or Xtreme Mix)	1	Control

Accessories and Kits









Not all accessories and kits are approved for use in hazardous locations. Refer to the specific accessory and kit manuals for approval details.

20-Gallon Hopper Kit, 255963

One complete double-wall 20-gallon hopper. See your hopper manual for more information.

Hopper Heater Kit (240V), 256257

For heating fluid in a 20-gallon hopper. See your hopper manual for more information.

Universal Hopper Fluid Inlet Kit, 256170

For connecting any of the four lower models included with XM sprayer to a 20-gallon hopper. See your hopper manual for more information.

Universal Hopper Mounting Kit, 256259

For mounting a 20-gallon hopper to the side or back of an XM sprayer. See your hopper manual for more information.

Twistork Agitator Kit, 256274

For mixing viscous materials held within a 20-gallon hopper. See your feed pump and agitator kit manual for more information.

T2 Feed Pump Kit, 256275

For supplying viscous material from a 20-gallon hopper to an XM sprayer. See your feed pump and agitator kit manual for more information.

5:1 Feed Pump Kit, 256276

For supplying viscous materials from a 20-gallon hopper to an XM sprayer. See your feed pump and agitator kit manual for more information.

7-Gallon Hopper and Bracket Kit, 256260 (Green) 24N011 (Blue)

One 7-gallon hopper and mounting brackets. Mounts to the side or back of an XM sprayer. See your hopper manual for more information.

2:1 Drum Feed Kit, 256232

One T2 pump feed kit and one Twistork agitator kit for mixing and supplying viscous materials from a with 55-gallon drum to an XM sprayer. See your feed pump and agitator kit manual for more information.

5:1 Drum Feed Kit, 256255

One 5:1 pump feed kit and one Twistork agitator kit for mixing and supplying viscous materials from a with 55-gallon drum to an XM sprayer. See your feed pump and agitator kit manual for more information.

Hopper/Hose Heat Circulation Kit, 256273

For circulating heated water mixture through 20-gallon hoppers, heated hose, and Viscon HP heater. See your hopper or hose heat circulation kit manual for more information.

Desiccant Dryer Kit, 256512

For use with 20-gallon hoppers. See your desiccant dryer kit manual for more information.

Caster Kit, 256262

For mounting casters on XM sprayer frame. See your caster kit manual for more information.

Hose Rack Kit, 256263

For mounting to side, front, or back of XM sprayer frame. See your hose rack kit manual for more information.

Lower Strainer and Valve Kit, 256653

For straining material from a feed pump to an XM sprayer fluid inlet. See your lower strainer and valve kit manual for more information.

Electric Heated Hose Power Supply Kit, 256876

For monitoring and controlling fluid temperature in low-voltage heated hoses. See your electric heated hose power supply manual for more information.

5000 psi Two-Component Main Heated Hose Set Kit

Electric heated hose set for adding additional sections.

Part	Description
248907	Heated hose set; 1/4 in. ID x 3/8 in. ID; 50 ft
248908	Heated hose set: 3/8 in. ID x 3/8 in. ID: 50 ft

10:1 Drum Feed Kit, 256433

For supplying highly viscous material from a 55-gallon drum to an XM sprayer. See your feed pump and agitator kit manual for more information.

Shutoff/Check Valve Kit, 255278

For replacing shutoff valve or check valve. See your alternator conversion kit manual for more information.

Alternator Conversion Kit, 256991

For converting an XM sprayer from wall power supply to intrinsically safe alternator power supply. See your alternator conversion kit manual for more information.

Mix Manifold Kit, 255684

See mix manifold manual for more information.

Remote Mix Manifold and Carriage Kit, 256980

For converting to a remote mix manifold kit with a protective guard. See your mix manifold manual for more information.

Restrictor Valve Kit, 24F284

For B dosing outlet on remote mix manifold machines. Use to convert early XM machines without the valve on the B outlet.

Restrictor Valve Wrench, 126786

For adjusting restrictor (509). See page 87.

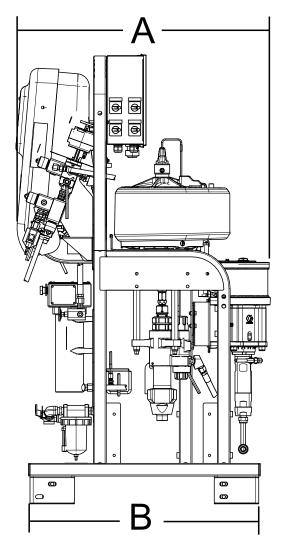
Xtreme Pump Wet Cup Wrench, 15T258

Xtreme Pump Filter Wrench, 16G819

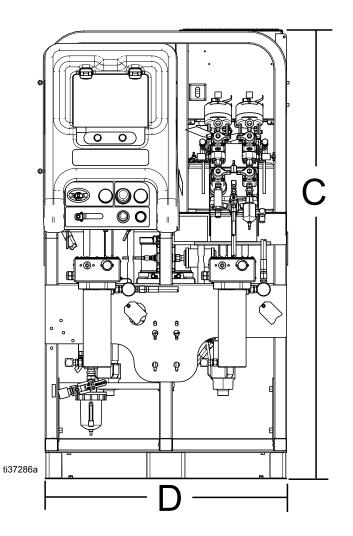
XM Recirculation Kit, 273185

Dimensions

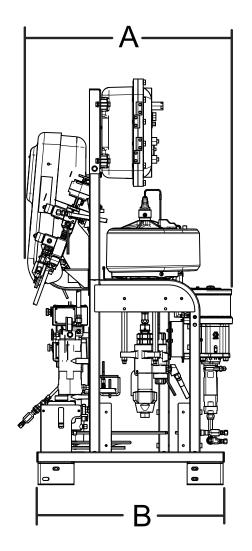
XM System Dimensions without Hoppers (Non-Hazardous Locations)

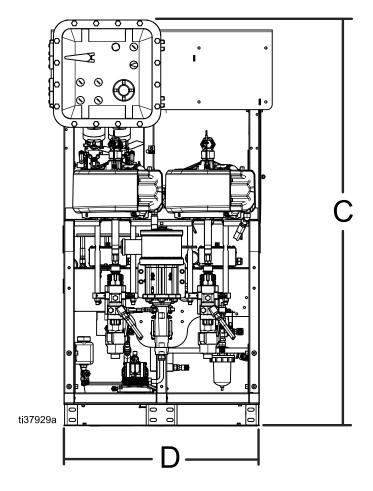


Ref.	Dimensions	
Α	39.5 in.	100.3 cm
В	36.0 in.	91.4 cm
С	72.5 in.	184.1 cm
D	38.0 in.	96.5 cm



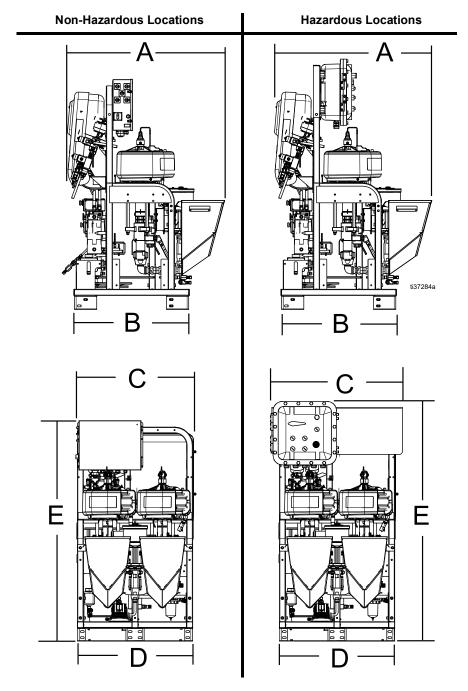
XM System Dimensions without Hoppers (Hazardous Locations)





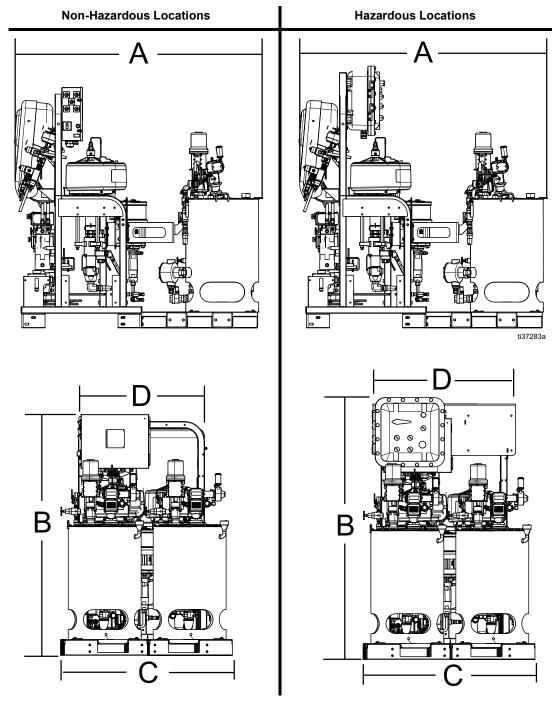
Ref.	Dimensions	
Α	39.5 in.	100.3 cm
В	36.0 in.	91.4 cm
С	79.0 in.	200.6 cm
D	38.0 in.	96.5 cm

10-Gallon Rear Mount Steel Tank



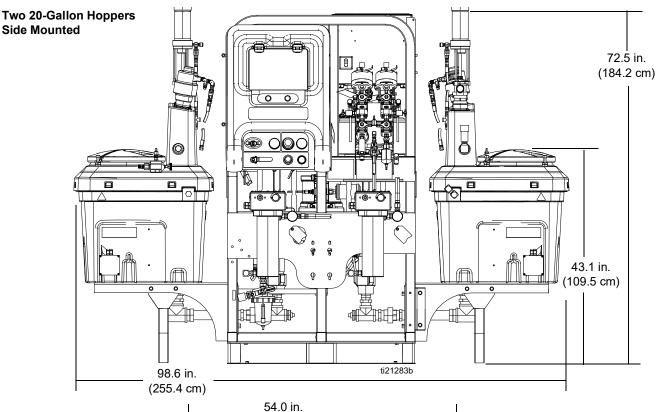
Ref.	Dimensions		
Kei.	Non-Hazardous Locations	Hazardous Locations	
Α	47.5 in. (120.6 cm)	47.5 in. (120.6 cm)	
В	36.0 in. (91.4 cm)	36.0 in. (91.4 cm)	
С	38.5 in. (97.7 cm)	43.5 in. (110.4 cm)	
D	38.0 in. (96.5 cm)	38.0 in. (96.5 cm)	
Е	72.5 in. (184.1 cm)	79.0 in. (200.6 cm)	

25-Gallon Rear Mount Steel Tank

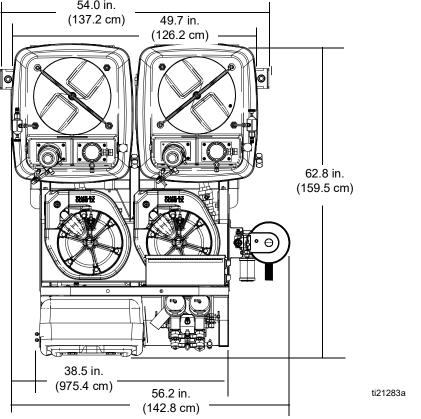


Ref.	Dimensions		
Rei.	Non-Hazardous Locations	Hazardous Locations	
Α	72.5 in. (184.1 cm)	72.5 in. (184.1 cm)	
В	72.5 in. (184.1 cm)	79.0 in. (200.6 cm)	
С	50.75 in. (128.9 cm)	50.75 in. (128.9 cm)	
D	38.5 in. (97.7 cm)	43.5 in. (110.5 cm)	

System Dimensions with Hoppers

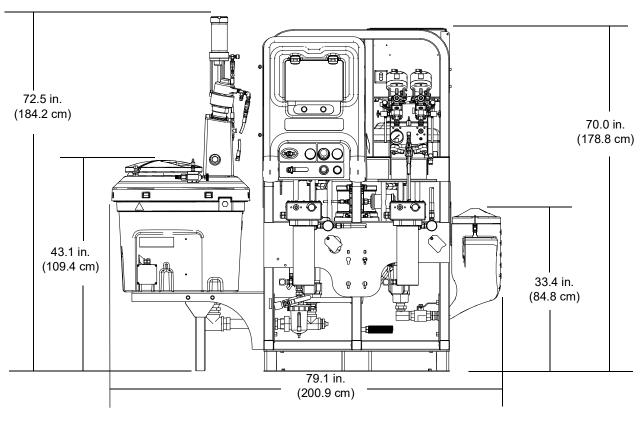


Two 20-Gallon Hoppers Rear Mounted (Top View)

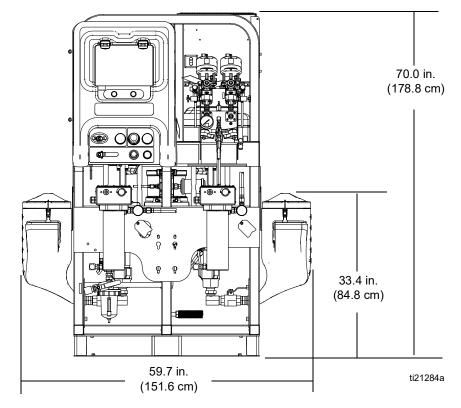


System Dimensions with Hoppers

One 20-Gallon Hopper and One 7-Gallon Hopper







Technical Specifications

XM Plural-Component Sprayers			
	US	Metric	
Mixed ratio range	1:1–10:1 (in	0.1 increments)	
Ratio tolerance range (before alarm)	+/- 5%		
Fluid Viscosity Range†	200-20,000 cps (heavier viscosities can be mixed using heat, circulation, and/or pressure feeding)		
Fluid filtration, standard on pump outlets*	60 mesh	238 micron	
Air Filtration	40 micron main filter, 5 micron control air filter; see pump performance charts in your Operation manual		
Weight			
Base sprayer (XM1L00 and XM5L00 models) Add component weights to base sprayer weight for your specific model weight.	742 lb	336.87 kg	
Dimensions			
See Dimensions , page 98.			
Inlet/Outlet Sizes			
Air inlet size	1.0 iı	n. npt(f)	
Fluid inlet size, without feed kits	1 1/4	Inpt(m)	
Ambient temperature range			
Operating	32–135 °F	0–57 °C	
OLEE Operating CE (North America)	40–130 °F (41–104° F)	4–54 °C (5–40 °C)	
Storage	30–160 °F	-1–71 °C	
Maximum fluid working pressure of mixed ma	aterial		
50:1	5200 psi	35.8 MPa, 358 bar	
70:1	6300 psi	43.5 MPa, 435 bar	
Maximum fluid temperature	160 °F	71 °C	
Air supply pressure range	50–150 psi	0.35–1.0 MPa, 3.5–10.3 bar	
Maximum pump air set pressure			
50:1	100 psi	0.68 MPa, 6.8 bar	
70:1	90 psi	0.62 MPa, 6.2 bar	
Maximum pump inlet fluid feed pressure	250 psi	1.7 MPa, 17 bar	
Maximum air consumption at 100 psi (0.7 MPa, 7.0 bar) in scfm (m^3/min.)	70 scfm per gpm (1.96 m^3 min. per lpm)		
Flow Rates			
Minimum* *	1 quart per minute	0.95 liters per minute	
Maximum	3 gallons per minute	11.4 liters per minute	
Notes			
† Heavier viscosities can be mixed using heat, ci	irculation, and pressure feeding	-	
* Filter assembly is not included on some models	S.		
* * Minimum flow rate is dependent on material being	sprayed and mixing capability. Test	t your material specific to flow rate.	
Environmental conditions rating			
Indoor/outdoor use			
Altitude	Up to 4000 m		

XM Plural-Component Sprayers			
	US	Metric	
Maximum relative humidity	To 99% up to 130°F	To 99% up to 54°C	
Pollution degree		11	
Installation category		2	
Noise (dBa)			
Operating Pressure 70 psi (0.48 MPa, 4.8 bar)			
Sound pressure	84.8	dB(A)	
Sound power measured per ISO 3744	95.1 dB(A)		
Operating Pressure 100 psi (0.7 MPa, 7 bar)		. ,	
Sound pressure	92.2	92.2 dB(A)	
Sound power measured per ISO 3744	102.0 dB(A)		
Notes			
All trademarks or registered trademarks are the	property of their respective owne	ers.	
Storage			
Maximum storage time	5 years		
Storage maintenance	To maintain original performance, replace soft seals after 5 years of inactivity.		
Ambient storage temperature range	30 to 160°F	(1) to 71°C	
Lifetime	Lifetime varies with use, materials sprayed, storage methods, and maintenance. Life minimum is 25 years.		
Lifetime service maintenance	Replace leather packings every five years or less based on use.		
End of life disposal	If the sprayer is in a condition that it can no longer operate, the sprayer should be taken out of service and dismantled. Individual parts should be sorted by material and disposed of properly. Electronic components are RoHS complaint and should be disposed of properly.		
Graco Four Character Date Code			
Month (first character) A=January, Year (second and thi character) 18=2018, Series (fourth character) B=serial on number.			
Materials			
Wetted Parts Aluminum, acetal, ductile iron, leather, nylon, plated car steel, PTFE, stainless steel, tungsten carbide, UHMWP			

California Proposition 65

CALIFORNIA RESIDENTS

★ WARNING: Cancer and reproductive harm – www.P65warnings.ca.gov.

Graco Standard Warranty

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

THIS WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Graco's sole obligation and buyer's sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

GRACO MAKES NO WARRANTY, AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IN CONNECTION WITH ACCESSORIES, EQUIPMENT, MATERIALS OR COMPONENTS SOLD BUT NOT MANUFACTURED BY GRACO. These items sold, but not manufactured by Graco (such as electric motors, switches, hose, etc.), are subject to the warranty, if any, of their manufacturer. Graco will provide purchaser with reasonable assistance in making any claim for breach of these warranties.

In no event will Graco be liable for indirect, incidental, special or consequential damages resulting from Graco supplying equipment hereunder, or the furnishing, performance, or use of any products or other goods sold hereto, whether due to a breach of contract, breach of warranty, the negligence of Graco, or otherwise.

FOR GRACO CANADA CUSTOMERS

The Parties acknowledge that they have required that the present document, as well as all documents, notices and legal proceedings entered into, given or instituted pursuant hereto or relating directly or indirectly hereto, be drawn up in English. Les parties reconnaissent avoir convenu que la rédaction du présente document sera en Anglais, ainsi que tous documents, avis et procédures judiciaires exécutés, donnés ou intentés, à la suite de ou en rapport, directement ou indirectement, avec les procédures concernées.

Graco Information

For the latest information about Graco products, visit www.graco.com.

For patent information, see www.graco.com/patents.

TO PLACE AN ORDER, contact your Graco distributor or call to identify the nearest distributor.

Phone: 612-623-6921 or Toll Free: 1-800-328-0211 Fax: 612-378-3505

All written and visual data contained in this document reflects the latest product information available at the time of publication.

Graco reserves the right to make changes at any time without notice.

Original instructions. This manual contains English. MM 313289

Graco Headquarters: Minneapolis International Offices: Belgium, China, Japan, Korea

GRACO INC. AND SUBSIDIARIES • P.O. BOX 1441 • MINNEAPOLIS MN 55440-1441 • USA Copyright 2021, Graco Inc. All Graco manufacturing locations are registered to ISO 9001.