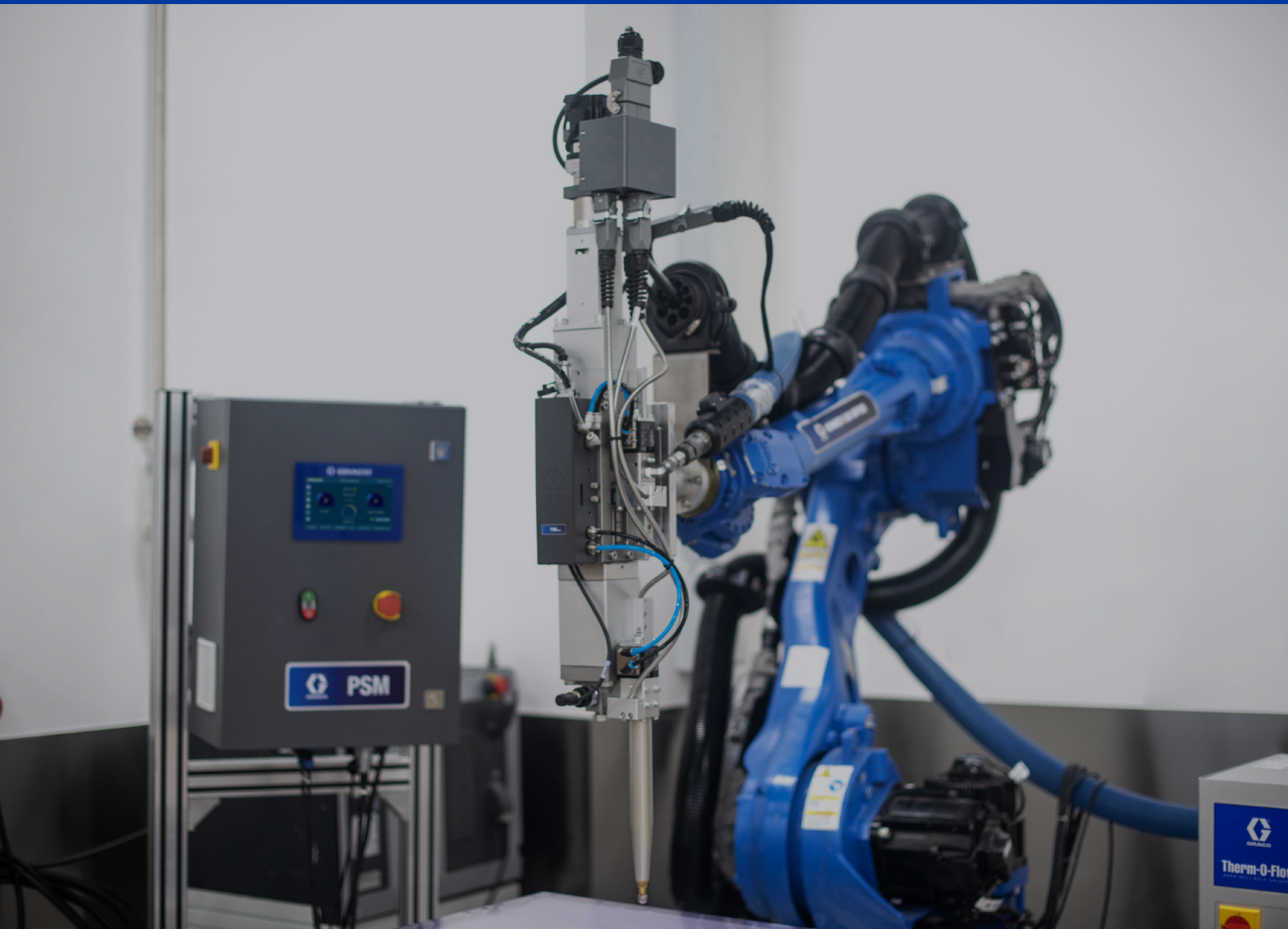


PRECISION SHOT METER (PSM) AND DISPENSE SYSTEMS

For One Component Sealants and Adhesives



M O V I N G M A T E R I A L S T H A T M A T T E R ™



PRECISION SHOT METER (PSM)

FOR HIGHLY ACCURATE AUTOMATED METERING AND DISPENSE OF ONE COMPONENT MATERIAL

An innovative fluid path and robust construction make this precision shot meter (PSM) ideal for automatically applying one component epoxies, silicones, acrylics, urethanes, polysulfides and thermal interface materials (TIMs).

High accuracy

Servo motor control and high precision meter ensure ± 1 percent shot repeatability.

Compact structure and lightweight design

Modular system fits into almost any automated assembly line and does not overload robot arms.

Wide Shot Size Range

Configurations with maximum shot sizes of 15 ccs, 25ccs, 50 ccs, 100 ccs or 200 ccs fit multiple applications.

Low Maintenance

Patented first-in-first-out (FIFO) fluid path and 0% dead space keeps materials from blocking and curing inside the supply pump.

Wear Resistant

Ultra wear resistant design withstands abrasive and viscous material, reducing maintenance.

Dependable Outlet Valve

Available in tip seal, snuff back, or ball seat models, the Graco Dispense Valve delivers long-lasting performance.

Warm Melt Options

Heating function brings material temperature up to 70°C (158°F).



EASY INTEGRATION FOR AUTOMATION

PCB Controller

- Large screen for easy operation
- Wall mount for small spaces
- Various dispensing modes for changing needs
- All PSM systems come equipped with I/O (input/output) communication.
- For PROFINET and EtherNet/IP integration, use These kits allow further integration:
 - PROFINET MODBUS kit, 2005273
 - Ethernet/IP MODBUS kit, 2000362

IO: Default

Profnet: Add Gateway Kit

Ethernet I/P: Add Gateway Kit

Modbus RTU: Default

PLC Controller

- Large screen for easy operation
- Wall mount for small spaces
- Various dispensing modes for changing needs

Profnet: Default

Ethernet I/P: Default

Headless Controller

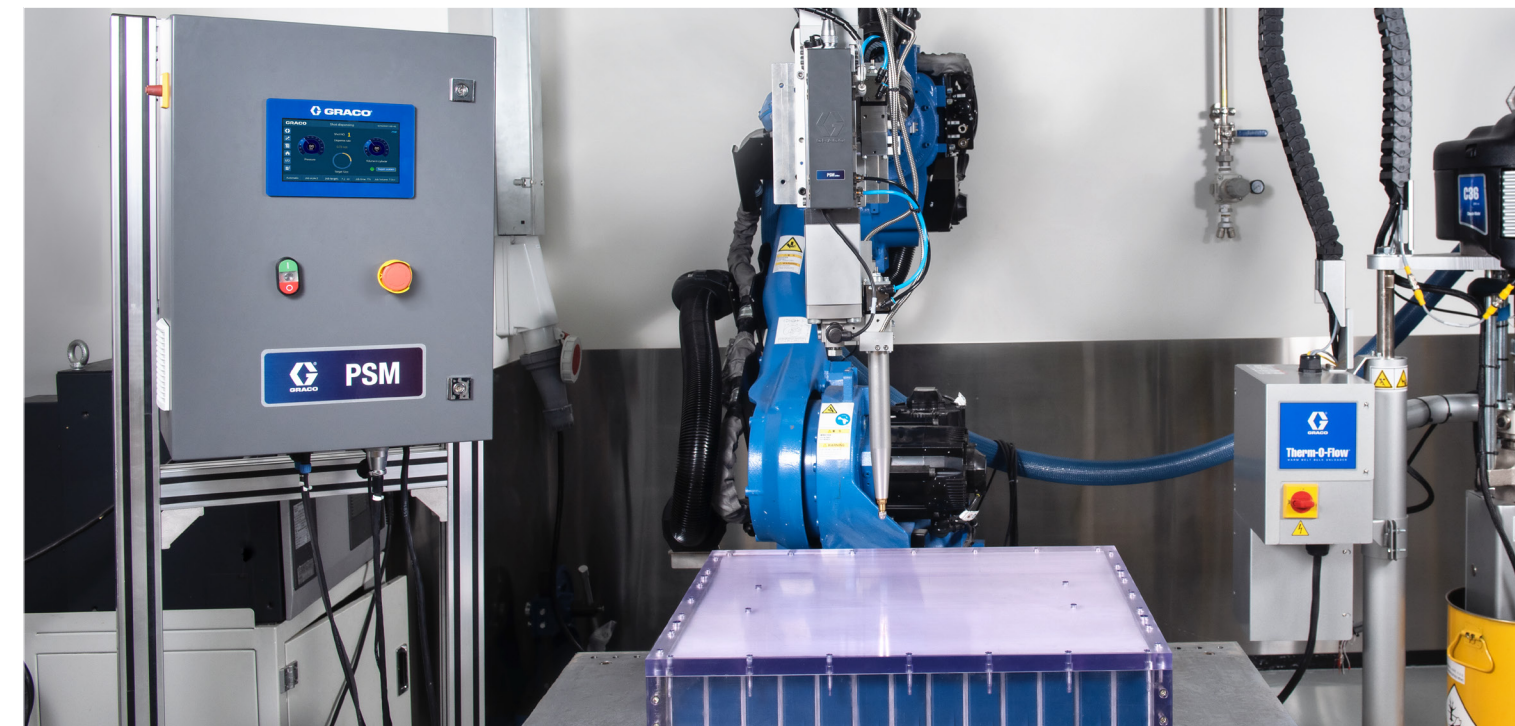
- Extreme compact and light weight control box
- Modbus RTU communication, other optional gateway kits available in Profinet and Ethernet I/P
- Remote screen kit available in option
- PROFINET MODBUS kit, 2011730
- Ethernet/IP MODBUS kit, 2011731

IO: Default

Profnet: Add Gateway Kit

Ethernet I/P: Add Gateway Kit

Modbus RTU: Default



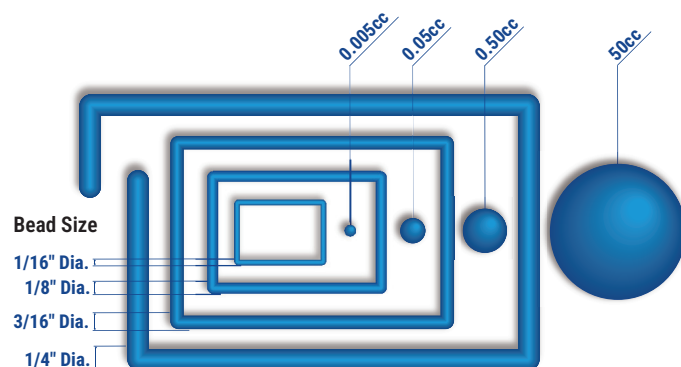


HIGH ACCURACY AND EFFICIENCY

APPLICATIONS, INDUSTRIES AND MATERIALS

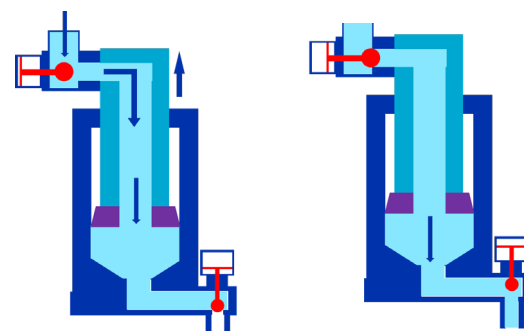
HIGH PRECISION DISPENSING WITH +/-1% SHOT REPEATABILITY

- Servo drive design allows for accurate and highly repeatable dispense.
- Change the flow rate instantly, even during operation, allowing for maximum flexibility and control.
- The built-in pressure relief mechanism protects sensitive materials from long-term high pressure, ensuring material integrity and consistent performance



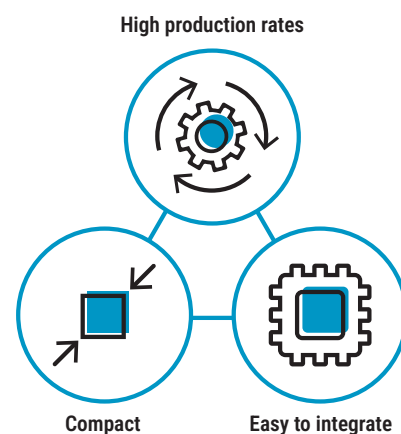
INCREASED PRODUCTION UPTIME & LONGER PRODUCTION LIFE TIME

- Maximized Production: Our patented First-in First-out (FIFO) fluid path prevents material from settling and clogging, ensuring continuous production without interruptions.
- Extended Service Life: The durable construction and unique fluid path geometry are designed to resist wear from abrasive materials, significantly extending the service life of your equipment and reducing spare part needs.



QUICK & EASY INSTALLATION & MAINTENANCE

- Compact and lightweight design makes the system easy to install and saves valuable space.
- Less maintenance needs than competing systems, 40-60% reduction in downtime and cost.
- Only replace the piston and applicator seal kit during maintenance.
- Simple communication protocols provide seamless integration with robots, automated work cells, and data tracking systems.



THE PSM FAMILY IN DIFFERENT INDUSTRIES AND THEIR APPLICATIONS



Automotive Electronics, Electronics & Telecommunications



PSM 15

1200 psi
shot size:
0.005 cc – 15 cc



PSM 25

3000 psi
shot size:
0.1 cc – 25 cc



PSM 50

3000 psi
shot size:
0.2 cc – 50 cc



PSM 100

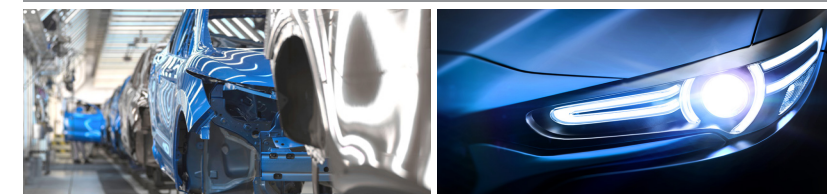
3000 psi
shot size:
0.5 cc – 100 cc



PSM 200

3000 psi
shot size:
0.5 cc – 200 cc

Automotive Manufacturing & Tiers Manufacturing



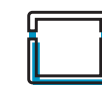
Supported Materials:

- Epoxies
- Silicones
- Acrylics
- Polyurethanes
- Polysulfides
- Thermal Interface Materials

Applications:



Bonding



Sealing



Vibration
Damping



Hemming



Potting



Gasketing

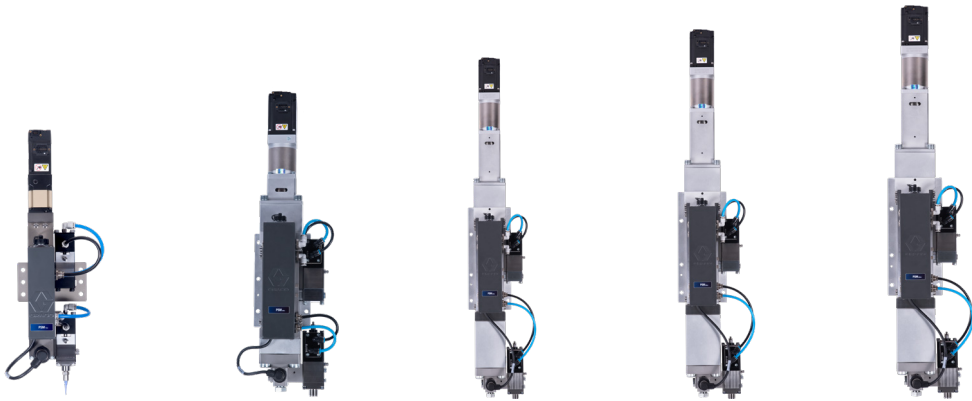


Thermal
Interface



TECHNICAL SPECIFICATIONS

ORDERING INFORMATION



	PSM-15	PSM-25	PSM-50	PSM-100	PSM-200
Volume	0.005-15 cc	0.1-25 cc	0.2-50 cc	0.5-100 cc	0.5-200 cc
Maximum Dispensing Flow Rate	1.8 cc/s	12 cc/s	15 cc/s	15 cc/s	15 cc/s
Maximum Reload Flow Rate	1.8 cc/s	12 cc/s	15 cc/s	15 cc/s	15 cc/s
System Size (L x W x H) (Ambient)	425x125x120 mm	638x151x156 mm	654x151x156 mm	768x151x156 mm	900x151x156
System Size (L x W x H) (Hot Melt)	N/A	888x178x156 mm	904x178x156 mm	995x178x156 mm	1150x178x156 mm
Weight (Ambient)	5 Kg / 11 lbs	18.5 Kg / 40.8 lbs	18.5 Kg / 40.8 lbs	19.5 Kg / 43 lbs	22 Kg / 48.5 lbs
Weight (Warm Melt)	N/A	20.5 Kg / 45.2 lbs	20.5 Kg / 45.2 lbs	22.5 Kg / 49.6 lbs	24 Kg / 53 lbs
Maximum Operating Temperature	70°C (158 °F)	70°C (158 °F)	70°C (158 °F)	70°C (158 °F)	70°C (158 °F)
Maximum Air Humidity	80%	80%	80%	80%	80%
Maximum Working Fluid Pressure	1200 psi (8.3 MPa, 83 bar)	3000 psi (20.7 Mpa, 206 bar)	3000 psi (20.7 Mpa, 206 bar)	3000 psi (20.7 Mpa, 206 bar)	3000 psi (20.7 Mpa, 206 bar)
Maximum Air Pressure	100 psi, 0.7 Mpa, 7 bar	100 psi, 0.7 Mpa, 7 bar	100 psi, 0.7 Mpa, 7 bar	100 psi, 0.7 Mpa, 7 bar	100 psi, 0.7 Mpa, 7 bar
Electrical Power	200-240 Vac, 50 Hz / 60 Hz, 10 A	200-240 Vac, 50 Hz / 60 Hz, 10 A	200-240 Vac, 50 Hz / 60 Hz, 10 A	200-240 Vac, 50 Hz / 60 Hz, 10 A	200-240 Vac, 50 Hz / 60 Hz, 10 A
Air inlet size	1/4 in. or 6 mm	1/4 in. or 6 mm	1/4 in. or 6 mm	1/4 in. or 6 mm	1/4 in. or 6 mm
Fluid Inlet	1/4 npt (f)	1/4 npt (f) (IQ-B valve)	1/4 npt (f) (IQ-B valve)	1/4 npt (f) (IQ-B valve)	1/4 npt (f) (IQ-B valve)
Fluid Outlet Size	1/4 in. npt (f)	Depend on the outlet valve	Depend on the outlet valve	Depend on the outlet valve	Depend on the outlet valve
Viscosity Range	20-1,000,000 cps	20-1,000,000 cps	20-1,000,000 cps	20-1,000,000 cps	20-1,000,000 cps

PSM WITH PCB OR PLC CONTROLLER

Part No.	Description
2006051	SYSTEM, PSM, 15, SST, PCB, I/O
2006052	SYSTEM, PSM, 15, CER, PCB, I/O
2006931	SYSTEM, PSM, 15, SST, PCB, PROFINET
2006932	SYSTEM, PSM, 15, CER, PCB, PROFINET
2006933	SYSTEM, PSM, 15, SST, PCB, ETHERNET IP
2006934	SYSTEM, PSM, 15, CER, PCB, ETHERNET IP
2009034	SYSTEM, PSM25, SST, PCB, I/O
2009035	SYSTEM, PSM25, CER, PCB, I/O
2009036	SYSTEM, PSM25, SST, WARM MELT, PCB, I/O
2008986	SYSTEM, PSM50, SST, PCB, I/O
2008987	SYSTEM, PSM50, CER, PCB, I/O
2008988	SYSTEM, PSM50, SST, WARM MELT, PCB, I/O
2008990	SYSTEM, PSM100, SST, PCB, I/O
2008992	SYSTEM, PSM200, SST, PCB, I/O
2008991	SYSTEM, PSM100, SST, WARM MELT, PCB, I/O
2008993	SYSTEM, PSM200, SST, WARM MELT, PCB, I/O
2010342	SYSTEM, PSM25, SST, PLC, ETHERNET IP
2010343	SYSTEM, PSM25, CER, PLC, ETHERNET IP
2010344	SYSTEM, PSM25, SST, WARM MELT, PLC, ETHERNET IP
2010372	SYSTEM, PSM25, SST, PLC, PN
2010373	SYSTEM, PSM25, CER, PLC, PN
2010374	SYSTEM, PSM25, SST, WARM MELT, PLC, PN
2010346	SYSTEM, PSM50, SST, PLC, ETHERNET IP
2010347	SYSTEM, PSM50, CER, PLC, ETHERNET IP
2010348	SYSTEM, PSM50, SST, WARM MELT, PLC, ETHERNET IP

Part No.	Description
2010376	SYSTEM, PSM50, SST, PLC, PN
2010377	SYSTEM, PSM50, CER, PLC, PN
2010378	SYSTEM, PSM50, SST, WARM MELT, PLC, PN
2010350	SYSTEM, PSM100, SST, PLC, ETHERNET IP
2010351	SYSTEM, PSM100, SST, WARM MELT, PLC, ETHERNET IP
2010380	SYSTEM, PSM100, SST, PLC, PN
2010381	SYSTEM, PSM100, SST, WARM MELT, PLC, PN
2010352	SYSTEM, PSM200, SST, PLC, ETHERNET IP
2010353	SYSTEM, PSM200, SST, WARM MELT, PLC, ETHERNET IP
2010382	SYSTEM, PSM200, SST, PLC, PN
2010383	SYSTEM, PSM200, SST, WARM MELT, PLC, PN

PSM WITH HEADLESS CONTROLLER

Part No.	Description
2013015	SYSTEM, PSM25, SST, Headless, I/O
2013016	SYSTEM, PSM25, CER, Headless, I/O
2013017	SYSTEM, PSM25, SST, WARM MELT, Headless, I/O
2013018	SYSTEM, PSM50, SST, Headless, I/O
2013019	SYSTEM, PSM50, CER, Headless, I/O
2013020	SYSTEM, PSM50, SST, WARM MELT, Headless, I/O
2013022	SYSTEM, PSM100, SST, Headless, I/O
2013023	SYSTEM, PSM100, SST, WARM MELT, Headless, I/O
2013024	SYSTEM, PSM200, SST, Headless, I/O
2013025	SYSTEM, PSM200, SST, WARM MELT, Headless, I/O

REMOTE HOSE KITS

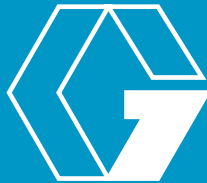
Part No.	Description
2000842	HOSE, PSM, JIC fitting, 3/32X60
2000843	HOSE, PSM, JIC fitting, 1/8X60
2000844	HOSE, PSM, JIC fitting, 3/16X36
2000845	HOSE, PSM, JIC fitting, 3/16X48
2000847	HOSE, PSM, JIC fitting, 3/16X72
2000848	HOSE, PSM, JIC fitting, 1/4X36
2000849	HOSE, PSM, JIC fitting, 1/4X48
2000850	HOSE, PSM, JIC fitting, 1/4X60
2000851	HOSE, PSM, JIC fitting, 1/4X72
2000852	HOSE, PSM, JIC fitting, 3/8X36
2000853	HOSE, PSM, JIC fitting, 3/8X48
2000854	HOSE, PSM, JIC fitting, 3/8X60
2000855	HOSE, PSM, JIC fitting, 3/8X72
2000856	HOSE, PSM, JIC fitting, 1/2X36
2000857	HOSE, PSM, JIC fitting, 1/2X48
2000858	HOSE, PSM, JIC fitting, 1/2X60
2000859	HOSE, PSM, JIC fitting, 1/2X72
2000712	HOSE, PSM, ORFS fitting, 3/8X72

GATEWAY KITS

Part No.	Description
2005273	KIT, MODBUS-PROFINET, PSM, PCB
2000362	KIT, MODBUS-ETHERNET IP, PSM, PCB
2011730	KIT, MOUDLE, MODBUS-PROFINET, PSM Headless
2011731	KIT, MOUDLE, MODBUS-ETHERNET IP, PSM Headless



MOVING MATERIALS THAT MATTER™



For more information visit graco.com

©2021 Graco Inc. 350410EN Rev. C 10/25. All written and visual data contained in this document are based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice. Trademarks are referenced herein for identification purposes only. All trademarks are the property of their respective owners. Product covered by issued and pending patents, see graco.com/patents.