



MD2 Dispense Valve

Reliably dispenses and mixes plural-component sealants and adhesives

- Minimizes maintenance time and costs while maximizing dispense time
- Handles a wide range of materials
- Completely modular design adapts to different installation needs

PROVEN QUALITY. LEADING TECHNOLOGY.

Ideal Two-Component Static Mixing Valve for Dispensing Applications

High pressure dispense with multiple seat styles and adjustable snuff back for clean, precision dispense

Adjustable Snuff-back Control

Fine-tune the shut-off performance for clean bead dispensing

Independent Air Cylinder

Improves mean time to repair (MTTR)

Grease Isolation Chamber

- Ideal for moisture-sensitive materials
- Accessible grease fittings for easy maintenance

All-SST Wetted Section

Maximizes material compatibility

Two Nose Options

1:1 and 10:1 ratio available

Dispense Flexibility

- Variety of shrouds and static mixers available
- Must be ordered separately

Shaft Construction

- Chromex™ for dispensing non-abrasive materials
- Elite construction for dispensing abrasive materials

Adjustable Inlet Position

- Flexibility during system installation
- Minimizes dead spaces in fluid path

Manual Dispense Options

Hand held pneumatic or electric handle eases manual dispense. Electric actuated lever converts valves to dispense hanging vertically for improved ergonomics.



Manual Dispense Handle



Lever-Actuated Dispense Valve



ELITE CONSTRUCTION

MD2 Valves with Elite construction withstand the most abrasive thermal interface materials (TIMs), silicones, urethanes, and epoxies. With wear-resistant seals and surfaces, Elite MD2 Valves last at least 10 times longer than standard valve construction.*

*Data verified when pumping representative thermal interface material (TIM) in Graco test environment.

Ordering Information

Valve Options	Description
255179	1:1 soft seat, adjustable snuff-back
255180	1:1 hard seat, non-adjustable snuff-back
255181	10:1 soft seat, adjustable snuff-back
255182	10:1 hard seat, non-adjustable snuff-back
255183	1:1 cold spray/joint fill valve
255900	1:1 Elite w/hard seats, adjustable stroke, forward acting
255901	1:1 Elite w/hard seats, non-adjustable snuff-back
255902	10:1 Elite w/hard seats, non-adjustable snuff-back

Manual Gun Options	
255442	1:1 hard seat, air-actuated gun, non-adjustable snuff-back, manual handle
255445	10:1 hard seat, air-actuated gun, non-adjustable snuff-back, manual handle
255443	1:1 hard seat, electric actuated, non-adjustable snuff-back, manual handle
255446	10:1 hard seat, electric actuated, non-adjustable snuff-back, manual handle
255444	1:1 hard seat, electric actuated, non-adjustable snuff-back, manual lever
255447	10:1 hard seat, electric actuated, non-adjustable snuff-back, manual lever
LC0004	1:1 soft seat, electric actuated, non-adjustable snuff-back, manual handle
LC0006	10:1 soft seat, electric actuated, adjustable snuff-back, manual handle
LC0005	1:1 soft seat, electric actuated, non-adjustable snuff-back, manual lever
LC0007	10:1 soft seat, electric actuated, adjustable snuff-back, manual lever

Additional kitted models can be found in the HFR manual, 3A0237, PR70 manual, 334135, and AGP manual, 332452

Manual Dispense Options	Description
255208	Handle – Electric
255206	Handle – Pneumatic
255249	Lever – Electric
255273	Hanger adapter

MD2 Angle Kits	Description
24W045	25° angle adapter kit
24W046	15° angle adapter kit
24W047	5° angle adapter kit

Dispense at a more comfortable angle

Certain applications require challenging dispense angles, which can create an ergonomic stress for the operator. Angled adapter kits at 25°, 15° and 5° angles make your the easier and more comfortable.



Technical Specifications

Maximum fluid pressure	3000 psi (276 bar, 27.6 MPa)
Maximum cylinder air pressure	120 psi (8.4 bar, 0.84 MPa)
Minimum air cylinder actuating pressure	40 psi (2.8 bar, 0.3 MPa)
Maximum working fluid temperature	140°F (60°C)
Wetted parts	stainless steel, carbide, UHMWPE, acetal, PEEK, PTFE
Gun weight	1.45 lbs (0.66 kg)
Dimensions	6.64 in L x 2.32 in W x 2.25 in D (168.7 mm L x 59 mm W x 57 mm D)
Fluid inlets	9/16-18 UNF (f) (06 SAE)
Air inlets	1/8 in NPT
Instruction manual	312185

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.

Call today for product information or to request a demonstration.
877.84GRACO (1-877-844-7226) or visit us at www.graco.com/MD2.

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