



EnDure™ Valves

Automatic Dispense Valves

2

EnDure Valves offer high reliability for high pressure, high flow sealant and adhesive dispensing applications

Features and Benefits

- Dual Seal design means that 2 seals need to fail before leakage occurs
- Primary seal is harder than typical snuff-back valve for use with abrasive materials
- Snuff-back style for non-drip performance and less rework
- Air operated with spring-assisted closing means no leakage if air supply is lost
- Manifold mounted for easy repositioning after service

Typical Applications

- Structural bonding
- Anti-Flutter mastics
- Glass bonding
- Interior/Exterior seam sealing
- Window manufacturing

Typical Fluids Handled

- PVC
- Epoxy
- Silicone
- Anti-Flutter Mastic



244910
EnDure™ Automatic
Dispense Valve

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Automatic Dispense Valves

Technical Data

Maximum working fluid pressure	.3500 psi (241 bar; 24.1 MPa)
Maximum static fluid pressure	.5000 psi (345 bar; 34.5 MPa)
Maximum working dry air pressure	.120 psi (8.3 bar; 0.83 MPa)
Maximum working temperature: standard seals in models 244535, 244910, 244961, 244962	.200°F (95°C)
high-temp. seals in models 244907, 244908, 244909, 244937, 244951, 245184	.400°F (204°C)
Material inlet on inlet manifold:	1/2 in. npt(f)
Air inlets (open and closed)	1/8 in. npt
Weight (automatic dispense valve plus manifold)	.4 lb (1.8kg)

Ordering Information

EnDure Valve complete with mounting manifold

244910 Ambient or Temperature Conditioned Applications

Used for temperatures to 200°F (95°C) in ambient applications or where water-circulated temperature conditioning is used. Outlet connection is either 5/8-18 male thread or retainer nut with 1/8 npt (f).

244961 120V Electric Heat Model, temperatures to 200°F (95°C)

Used for heat-only applications. Manifold includes a 150W heater and a 120V, 6 pin round connection. Outlet connection is either 5/8-18 male thread or retainer nut with 1/8 npt (f).

244962 240V Electric Heat Model, temperatures to 200°F (95°C)

Used in heat-only applications. Manifold includes a 200W heater and a 240V, 8 pin square connector. Outlet connection is either 5/8-18 male thread or retainer nut with 1/8 npt (f).

244908 120V Electric Heat Model, temperatures to 400°F (204°C)

Same as 244961 with higher temperature seal kit.

244909 240V Electric Heat Model, temperatures to 400°F (204°C)

Same as 244962 with higher temperature seal kit.

245184 120V Electric Heat Model with 1/2 npt (m) outlet

Same as 244908 with different outlet connection.

244951 240V Electric Heat Model with 1/2 npt (m) outlet

Same as 244909 with different outlet connection.

EnDure base valves and manifolds

244535 Base valve for models 244910, 244961, and 244962

244907 Base valve for models 244908 and 244909

244937 Base valve for models 244951 and 245184

198235 Mounting manifold for ambient/temperature conditioned valve

198236 Electrical manifold for electrically heated models (Note: additional hardware needed for connection. See manual 309376)

197843 Mounting block for electrically heated models

Adapters and Repair Kits

197504 Alternate nosepiece for valve outlet, to fit inlet swivel of PrecisionSwirl™ orbiter. To mount the orbiter also requires the following parts: 197842 (45° nosepiece), 198323 (orbiter nut), and 198324 (fitting between nosepiece and orbiter)

617585 Streaming adapter: to allow outlet nut to retain 270xxx stream tips or 182xxx fan tips.

245195 Repair kit: includes standard duty seals, needle, and seat

245196 Repair kit for high temperature (400°F) valves: includes high temperature seals, needles, and seat

