

Fisher™ Type N551 Snappy Joe™ Emergency Shutoff Valve

Re-engineered for Increased Durability and Simplified Maintenance



Type N550 is Now Type N551

The trusted Type N550 shutoff valve is widely known by the LPG industry to provide maximum full-port flow performance, reliable shut-off and with low-cost of ownership. Improving upon those proven strengths in order to meet the every increasing service demands, the Type N551 has been re-engineered to provide enhanced gland and sealing robustness and simplified maintenance.

Type N551 Emergency Shutoff Valve

The Type N551 emergency shutoff valve is intended for in-line use in LPG or Anhydrous Ammonia (NH₃) service. The valve may be installed on either end of the transfer hoses and typically where the hose connects the bulk plant piping to the bobtail, transport or tank car. The Type N551 provides a quick way of shutting off gas flow in the event of a hose rupture.

TYPE N551 EMERGENCY SHUTOFF VALVES				
Type	Body Size, NPT	Propane Flow at 2 psi / 0.14 bar Differential, GPM / l/min	Maximum Inlet Pressure	Maximum Temperature Capability
N551-10	1-1/4 FNPT	150 / 568	400 psig / 27.6 bar	160°F / 71°C*
N551-16	2 FNPT	295 / 1117		
N551-24	3 FNPT	850 / 3127		

*All seats and seals use UL® tested materials rated for -40°F / -40°C.
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PERFORMANCE AND VALUE

Fisher™ Snappy Joe™ Emergency Shutoff Valves (ESV) have been reliably serving generations of customers in the LPG Industry. The original shutoff valve is preferred for its:

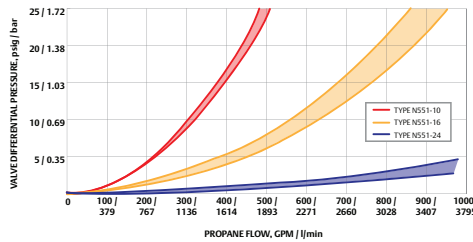
- Rugged Construction
- Full-Port Flow Performance
- Range of Material Options
- Integral 212°F Thermal Fuse Link
- Reliable Release Latch
- Low Cost of Ownership

NEW FEATURES

- Ease of Maintenance
- Enhanced Packing Design
- Simplified Gland Construction

FLOW PERFORMANCE

Type N551 is designed to give the maximum full-port flow available for a given piping diameter.



BENEFITS

- Poppet and Shaft remain connected to prevent lost time and potential disassembly from piping system during gland maintenance
- Increased cycle life and improved sealing performance at cold temperatures
- Elimination of nuisance leakage and shaft binding if retainer is torqued unevenly



Applications

- ✓ Bulk Plant
- ✓ Rail Car
- ✓ Specialty Gases

ENHANCED PACKING DESIGN

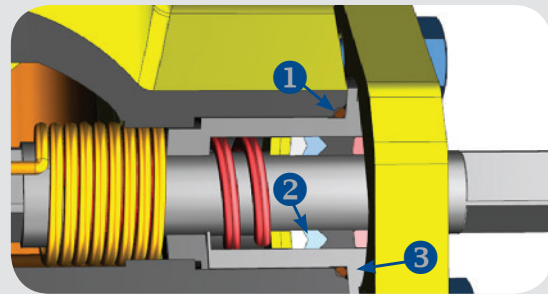
The gland packing of Type N551 has been re-designed to provide an improved seal for increased cycle life.

NEW FEATURES

- Superior Gland Seal Geometry with Captured O-ring Seal ①
- Optimized Polytetrafluoroethylene (PTFE) Chevron Packing ②
- New Gland Design Permits a Wider Torque Range on the Retainer Bolts for a Consistent Seal and Smooth, Dependable Valve Action ③

FIELD PROVEN FEATURES

- Stainless steel Trim Parts
- Heavy Duty Spring To Close Design
- UL®-Listed Design

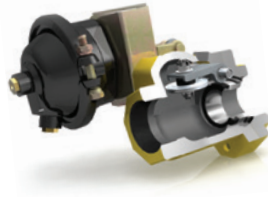


Re-designed Gland, Retainer and main gland external O-ring seal improve cycle life and seal performance.

ACTUATOR CONTROL PACKAGE

The Fisher P539A actuator is:

Designed for enhanced service life and exceeds UL's cycle testing requirements.



SERVICEABILITY

- Convenient Bolt Gland Design for easy inspection and service.

Type N551 is easily serviced with few parts.



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