

# Fisher™ Emergency Shutoff Valves Trust The Original

## Snappy Joe™ Shutoff Valves



Type N551 with  
Type P539A

Type N551

## Type N551 Emergency Shutoff Valve

### MODELS

|                | Manual Actuator |
|----------------|-----------------|
| 1-1/4 in. NPT: | Type N551-10    |
| 2 in. NPT:     | Type N551-16    |
| 3 in. NPT:     | Type N551-24    |

### SPECIFICATIONS

**Maximum Inlet Pressure:** 400 psig / 27.6 bar  
**Maximum Temperature Capability:** 160°F / 71°C.  
 All seats and seals use UL® tested materials rated for -40°F / -40°C  
**Propane Flow at 2 psid / 0.14 bar d:**  
 Type N551-10: 150 gpm / 568 l/min  
 Type N551-16: 295 gpm / 1117 l/min  
 Type N551-24: 850 gpm / 3127 l/min

### OPTIONS

#### Seat Discs

Standard disc and O-ring material is Nitrile (NBR).  
 Viton® and Kalrez® available.

#### Operation Methods

|                   |                      |
|-------------------|----------------------|
| Manual/Cable Pull | Standard (add P164B) |
| Air Close         | P327D Actuator       |
| Air Open-Close    | P539A Actuator       |

Viton® and Kalrez® are marks owned by E.I. Du Pont de Nemours and Co.  
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### Type N550 is Now Type N551

The trusted Fisher Type N550 shutoff valve is known by the LPG industry to provide maximum full-port flow performance and low-cost of ownership. The Type N551 builds on the foundation of performance and value and adds improved gland and sealing durability and simplified maintenance.

### Type N551 Emergency Shutoff Valve

Type N551 emergency shutoff valve is intended for in-line use on LPG or Anhydrous Ammonia (NH<sub>3</sub>) service. The valves may be installed on both ends of transfer hoses 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.

FISHER™

  
EMERSON.

## PERFORMANCE & 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:

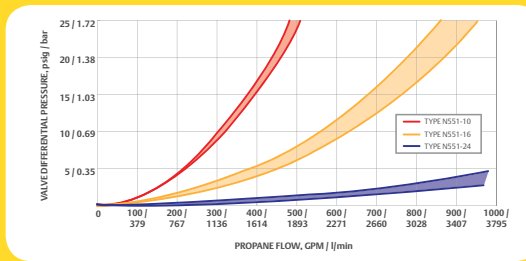
- Rugged Construction
- Ease of Maintenance
- Full-Port Flow Performance
- Range of Material Options
- Integral 212°F Thermal Fuse Link
- Reliable Release Latch
- Low Cost of Ownership

### NEW FEATURES

- Enhanced Packing Design
- Simplified Gland Construction
- Poppet-to-Shaft Retention Device

## 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

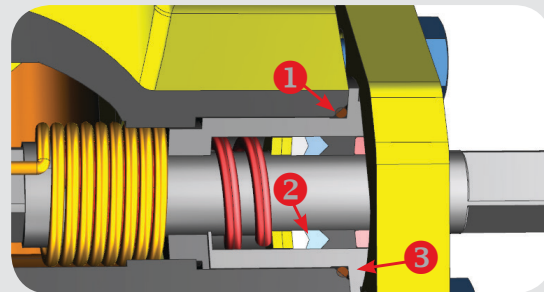
The gland packing of Type N551 has been re-designed to provide an improved seal for increased cycle life.

### 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

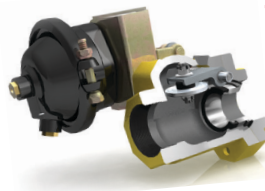


Re-designed Gland, Retainer and main gland external O-ring seal improve cycle life and seal performance

## 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.



## SUPERIOR SERVICE AND SUPPORT

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