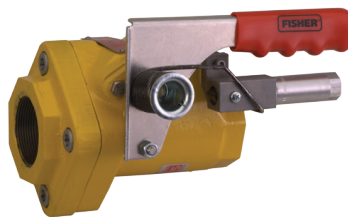


TYPE N551 (VALVE CLOSED)



TYPE N551 WITH TYPE P327D



TYPE N551 WITH TYPE P539A

Snappy Joe™ Emergency Shutoff Valves for Bulk Plants

Snappy Joe **Type N551** Emergency Shutoff Valves (ESVs) are designed for in-line installations, usually near a bulkhead. The valves provide a means of shutting off gas in the event of a hose rupture or piping break at the transfer area to avoid a large scale loss of LPG or Anhydrous Ammonia (NH₃).

The valves can be manually opened and closed at the installed location or closed remotely by either cable or air. A remote operating actuator is also available.

High Flow Capacity – The main poppet moves completely out of the flow stream for extremely low restriction-to-flow.

Operational Ease – Moving the operating lever to the vertical position opens the valve, making it simple to tell if the unit is open or closed. A pilot valve in the poppet opens as the lever is moved upward to pressurize the hose. Once equalized, the poppet moves quickly to the open position.

The valve is closed by simply pushing the lever down without first having to trip a latch. The operating lever is easily reached from across a bulkhead. All sizes look similar and operate exactly the same, an important point in an emergency situation.

Fusible Element – The fusible element is located at the hub of the operating lever and stub shaft. When exposed to fire, the element melts allowing the stub shaft to turn. The poppet then moves to the closed position, even if the operating lever has been wired open.

Rugged Construction – Heavy duty construction makes Snappy Joe ESVs suitable for use as a “working” shutoff valve for the transfer area, even under frequent use. The internal closing spring is protected from the elements and tampering. All seats and seals use UL®-approved materials rated for -40°F / -40°C and have metal back-up seals for extended fire resistance. The valves are rated 400 psig / 27.6 bar WOG.

Ease of Service – Serviceable without removal from the pipeline. Parts that wear are external and can be changed out in a matter of minutes. The packing can be changed with the valve in-line.

Cable Release – Standard valves are fitted with a release mechanism for cable attachment. A cable connected to the wire loop allows closure from a safe remote location, such as the bulk plant entrance.

While the ordinary cable can be used, the **Type P164B** release assembly is available. This assembly uses 50 feet / 15 m of cable housing which does not require elaborate guiding like uncovered cables.

Pneumatic Operation – Remote pneumatic closure is available with **Type P327D** release. Depending upon valve inlet pressure, a minimum supply pressure of 30 to 70 psig / 2.1 to 4.8 bar on the Type P327D allows the valve to be latched in the open position with manual closure possible at the valve. Loss of supply pressure to the cylinder permits the ESV to close. Air, nitrogen or CO₂ can be used for the cylinder supply source. Maximum inlet pressure to the cylinder is 125 psig / 8.6 bar. Operating Temperature Rating = -40 to 160°F / -40 to 71°C.

Type P539A pneumatic actuator permits opening and closing Fisher™ N551 Series Snappy Joe emergency shutoff valves (ESVs) both at the valve with the use of a pneumatic 4-way valve and from a remote location. The actuator opens the valve when pressure is applied. Minimum pressure is 20 psig / 1.4 bar and maximum pressure is 30 psig / 2.1 bar.

Upon loss of pressure, the N551 Series closes, assisted by the spring in the pneumatic actuator.

Type N851 for Special Service

The Type N551 can be ordered with alternate elastomer compounds for various industrial process applications. The **Type N851K** is assembled with FFKM (Kalrez® or equivalent) and can be used in a variety of fluid services. Other materials may be available. Contact your local Fisher LPG Distributor for more details.

Emergency Shutoff Valves - Bulk Plants

Valves

FISHER™

Emergency Shutoff Valves				
TYPE	BODY SIZE, IN.	FLOW IN GPM / l/min PROPANE		ACCESSORIES
		1 psid / 69 mbar d	2 psid / 0.14 bar d	
N551-10	1-1/4 FNPT	110 / 416	150 / 568	Type P164B Cable Release Type P327D Pneumatic Release Type P539A Pneumatic Actuator
N551-16	2 FNPT	190 / 719	295 / 1117	
N551-24	3 FNPT	580 / 2195	850 / 3127	

TYPE N551 CAPACITY CURVE

