

## EMERGENCY SHUT-OFF VALVES

### Snappy Joe Type N550 Emergency Shut-off Valves



**Snappy Joe® Type N550 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 LP-Gas or NH3. The valves can be manually opened and closed at the installed location or closed remotely by either cable, air or nitrogen. A remote operating actuator is also available.

**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 on the **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 Range = -40°F to 212°F (-40° to 100°C). Opening and closing of Snappy Joe® ESVs from a remote location can be done by using **Type P539A** air cylinder. Depending upon valve inlet pressure, a minimum supply pressure of 30 to 70 PSIG to the cylinder opens the valve. Air, nitrogen, or CO2 can be used for the cylinder supply source. Using the MINI-1 with the **P539A** allows the valve to be opened or closed remotely.

NEE #	Size	Flow Rate	NEE #	Size	Flow Rate	NEE #	Size	Flow Rate
N550-24	3"	280 GPM	N550-10	1 1/4"	125 GPM	N550-16	2"	150 GPM

### Accessories for ESV Operation

NEE #	Description	NEE #	Description
P327D	Air Release Assembly (closing)	ME980-905	Universal Thermally Activated Remote Cable Release Mechanism
P539A	Pneumatic Cylinder for N550 (opening and closing)	ME980-905-25	Universal Thermally Activated Remote Cable Release Mechanism with 25' Cable
P164B	Manual Cable release with fuse link, 50 ft of cable, guides and adapter for N550.	ME980-905-50	Universal Thermally Activated Remote Cable Release Mechanism with 50' Cable
MINI-1	3-way pneumatic air control valve; operates either P327C or D, Air tube not included	ME980-906-25	Universal Remote Release Cable - 25'
SN-PUL-V	Pull to Close sign - 10" x 12" rigid Vinyl	ME980-906-50	Universal Remote Release Cable - 50'
SN-PUSH-V	Push to Close sign - 10" x 12" rigid Vinyl	ME551	Airstroke firestone actuator
E980-907	Remote Thermally Activated Elbow 1/4" cc Inlet - For Pneumatic Latch Systems	ME552	Rotary Actuator Kit for N550 ESV

**P327D**



**P164B**



**ME551**



**P539A**



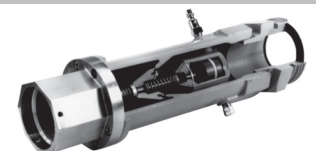
**MINI-1**

### ESV Assemblies & Repair Kits

NEE #	Description	NEE #	Description
ME980-10-901	1-1/4" ESV / Sight Flow Back Check Clapper Assembly	P551A	Retrofit Closure Spring Kit for N550
ME980-10K	1-1/4" ESV Complete Valve Repair Kit	T13090T0012	Packing Kit for N550
ME980-10-10SRK	1-1/4" ESV Seal Repair Kit	P134	Fusible Link, 212° F for cable actuated valves
ME980-16-901	2" ESV / Sight Flow Back Check Clapper Assembly	ME980-6-901	3/4" - 1" ESV / Flow Indicating Back Check Valve Replacement Clapper Assembly
ME980-16K	2" ESV Complete Valve Repair Kit	ME980-6-902	3/4" - 1" ESV Replacement Pneumatic Latch Assembly
ME980-16-16SRK	2" ESV Seal Repair Kit	ME980-6-903	3/4" - 1" ESV Replacement Cable Latch Assembly
ME980-24-901	3" ESV / Sight Flow Back Check Clapper Assembly	ME980-6K	3/4" - 1" ESV Complete Valve Repair Kit
ME980-24K	3" ESV Complete Valve Repair Kit	ME980-6SRK	3/4" - 1" ESV Seal Repair Kit
ME980-24-24SRK	3" ESV Seal Repair Kit	T20714T0012	Handle for N550

### Fisher Type N863 High Flow Emergency Shut-off Valves

Designed for railcar protection, this pneumatically-operated valve opens & closes by means of a standard quick disconnect coupling. The **N863** High-Flow version provides double the flow rate of the existing Emergency Shutoff Valves & has a female coupling allowing flexibility, as nipple lengths are field selectable based on specific application requirements. Typically three of the valves are used; two on liquid lines & one on the vapour line. These Emergency Shut-off Valves can also be utilized in non-railway plant designs, providing additional safety shut-off control!



NEE #	Shutoff Valve Connection	Hose Connection	Max Inlet Pressure	Flow Rate
N863-16	2" FNPT	2" ACME	400 PSI	413 GPM
N863-26		3 1/4" ACME		