

Materials

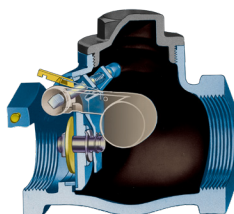
Body and Cap: Ductile iron
Packing Nut and Stem: Stainless steel
Disc: Viton®
Stem Seat: Viton®
Seat Ring: Brass
Cap and Packing Nut Seals: Viton®



(Valve Shown in Open Position)

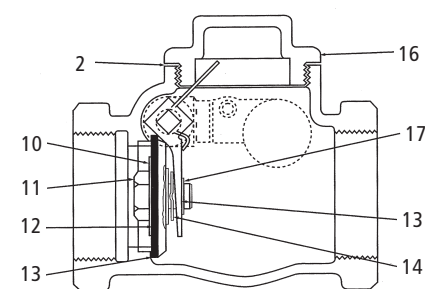
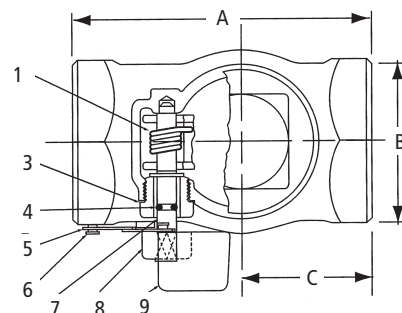


(Valve Shown in Closed Position)



OPW 178S Series External AST Emergency Shut-Off Valve

The OPW 178S Series External AST Shut-Off Valve is designed to shut off product flow from an aboveground storage tank, bulk-loading rack or any place in the fuel-supply line in the event of a fire. The 178S installs in-line on fuel-supply piping. A fusible link attached to a spring-operated lever holds the poppet normally open. In the event of a fire, the fusible link melts at 160° F, allowing the spring-actuated poppet to shut off the flow of product in the fuel-supply line. The 178S is available in 2" female NPT connections.



Dimensions

	in.	mm
A	5 ¹⁷ / ₃₂	140
B	3 ¹ / ₁₆	78
C	3 ¹ / ₁₆	78

For more information contact
OPW Customer Service at
1-800-422-2525; International
call 1-513-870-3315.

Features

- ◆ **178S Ductile-Iron Construction** – valve is manufactured from a ferrous metal to resist fracturing from high temperatures
- ◆ **Full-Bore Inside Diameter for Superior Flow Rates** – maximizes flow rates in the fuel-supply lines
- ◆ **Protected Main Poppet Disc** – main poppet seal is held out of the main flow stream and protected from damage due to dirt or debris in the fuel
- ◆ **Compensator Ring on Main Poppet Carrier** – ensures full seating of the main poppet for a tight seal
- ◆ **Viton® Main Disc and Stem Seat** – compatible with gasoline, diesel, kerosene, ethanol, methanol, MTBE, fuel oil, mogas, motor oil and various other blends of fuel
- ◆ **Rated at Normal Pressure Limit of 125 psi (8.6 bar) (cold)**
- ◆ **Non-Shock Pressure Limit of 200 psi (13.8 bar)**
- ◆ **Temperature Limit 225° F (107°C)**

Replacement Parts

Key	Part #	Description
1	H05973M	Spring
2	H12070M	O-ring (Viton®)
3	H7635RB	Packing Nut
4	H10445M	O-ring (Viton®)
5	H01344M	Fusible Link Sub-Assy.
6	H01505RB	Pin
7	C01533RB	Stem
8	H07644M	Set Screw
9	H07642ZA	Lever
10	H03295M	Washer
11	H04035M	Disc Nut
12	H12071R	Disc (Viton®)
13	H10004A	Disc Holder
14	H11293M	Compensating Ring
15	C03144M	Carrier
16	H11547DI	Cap
17	H10003M	Retaining Ring

Ordering Specifications

Product #	in.	mm	lbs.	kg
1785-6130	2	51	5.35	2.43

Listings and
Certifications 