

# Series 712S Swinger® Check Valve

## PRODUCT DESCRIPTION

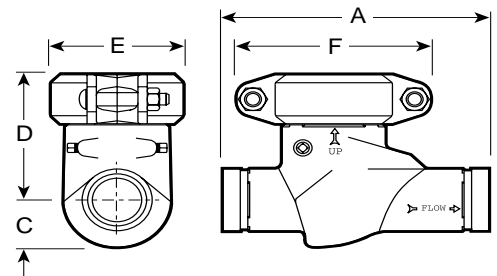


Available with Type 316 stainless body and trim in the 2" (50 mm) size, Swinger check valves are supplied with bonnet cap drilled and tapped with 1/2" (12.7 mm) NPT pipe plug for chemical injection or other auxiliary connections.

Series 712S Swinger swing check valves are designed for use with standard Victaulic grooved fittings and couplings for fast installation on inlet and outlet ports. The large closure access bonnet permits easy

access for in-line service. A Type 316 stainless steel clapper features a bonded seal and bumper. Swing check valves are available with EPDM, nitrile or an optional fluoroelastomer seat and bonnet gasket.

## DIMENSIONS



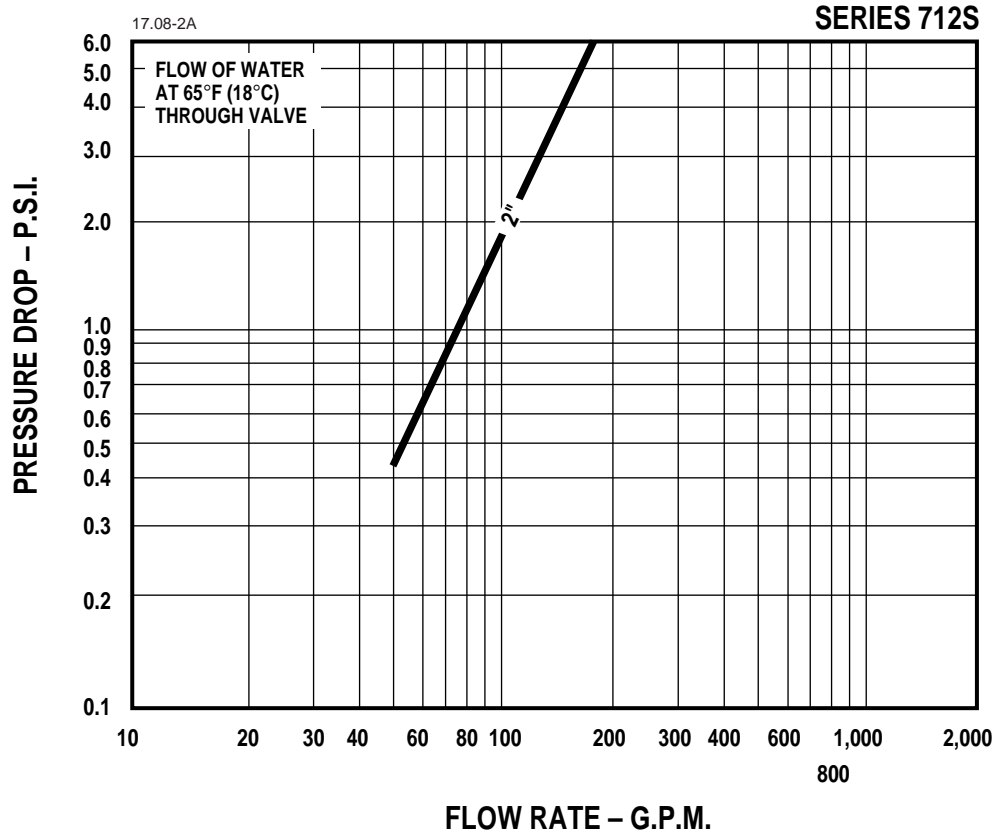
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Nominal Size Inches mm	Dimensions Inches - millimeters					Approx. Wgt. Ea. w/o Oper. Lbs. kg
	End to End A	C	D	E	F	
2 50	9.00 229	1.75 45	4.88 124	3.38 86	6.38 162	12.0 5.4

## PERFORMANCE

Flow testing for Swinger Series 712S swing check valves demonstrated excellent flow characteristics compared to other swing check valves. This is due in part to the full flow design opening and the smooth stainless steel cast surface.

Testing for Swinger check valves was performed in our own engineering laboratory facilities with systems and equipment traceable to the National Bureau of Standards.



## MATERIAL SPECIFICATIONS

**Body, Bonnet, End Cap:** Cast stainless steel, Type 316 conforming to ASTM A743.

**Clapper Seat/Bumper:** (Specify choice\*)

**Grade "E" EPDM**  
EPDM (Green color code). Temperature range -30°F to +230°F (-34°C to +110°C). Recommended for hot water service within the specified temperature range plus a variety of dilute acids, oil-free air and many chemical services. **NOT RECOMMENDED FOR PETROLEUM SERVICES.**

**Grade "T" nitrile**  
Nitrile (Orange color code). Temperature range -20°F to +180°F (-29°C to +82°C). Recommended for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range. *Not recommended for hot water*

*services over +150°F (+66°C) or for hot dry air over +140°F (+60°C).*

**Optional: Grade "O" fluoroelastomer**  
Fluoroelastomer (Blue color code). Temperature range +20°F to +300°F (-7°C to +149°C). Recommended for many oxidizing acids, petroleum oils, halogenated hydrocarbons, lubricants, hydraulic fluids, organic liquids, and air with hydrocarbon.

\*Services listed are General Service Recommendations only. It should be noted that there are services for which these liners or gaskets are not recommended. Reference should always be made to the latest Victaulic Selection Guide for specific liner or gasket service recommendations and for a listing of services which are not recommended.

**Closure Cap:** Ductile iron conforming to ASTM A-536 – zinc electroplated

**Cap Plug:** Type 316 stainless steel

**Clapper Seat:** Refer to Clapper Seat/Bumper

**Bumper:** Refer to Clapper Seat/Bumper

**Clapper:** Type 316 stainless steel

**Clapper Pin:** Type 316 stainless steel

**Closure Bolt/Nut:** Heat treated carbon steel, track-head conforming to ASTM A-183 – electroplated.

**Pin Retaining Nut:** Type 316 stainless steel

**Seat/Closure Gasket:** See Clapper/Seat Bumper (specify choice)\*