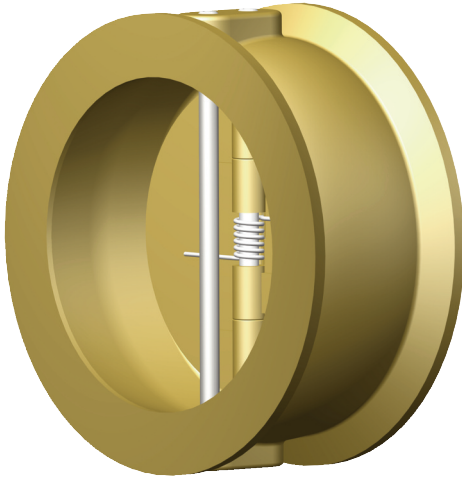




# Series 582SWS for Seawater Service

## Two-Door Wafer Check Valve



**582SWS Sizes 4" thru 24"**

- Low Head Loss
- Resilient Seat
- Non-Slam Closure
- Stabilizer Spheres Prevent Vibration Wear
- Factory Mutual Approved – Various Sizes
- Corrosion Resistant Material of Construction for Seawater Applications

The Cla-Val Series 582SWS Two-Door Wafer Check Valve has torsion springs that force the two doors to shut before flow reversal, reducing the water hammer potential that normally occurs with single-door swing check valves. To help reduce water hammer, the two-door design also reduces the travel distance from open to shutoff for a quicker response. Extremely short in lay length, the valve is both a compact and an economical solution. Two-Door Wafer Check Valves are available in sizes 4" to 24" with either a 125 lb. or 250 lb. pressure class rating.

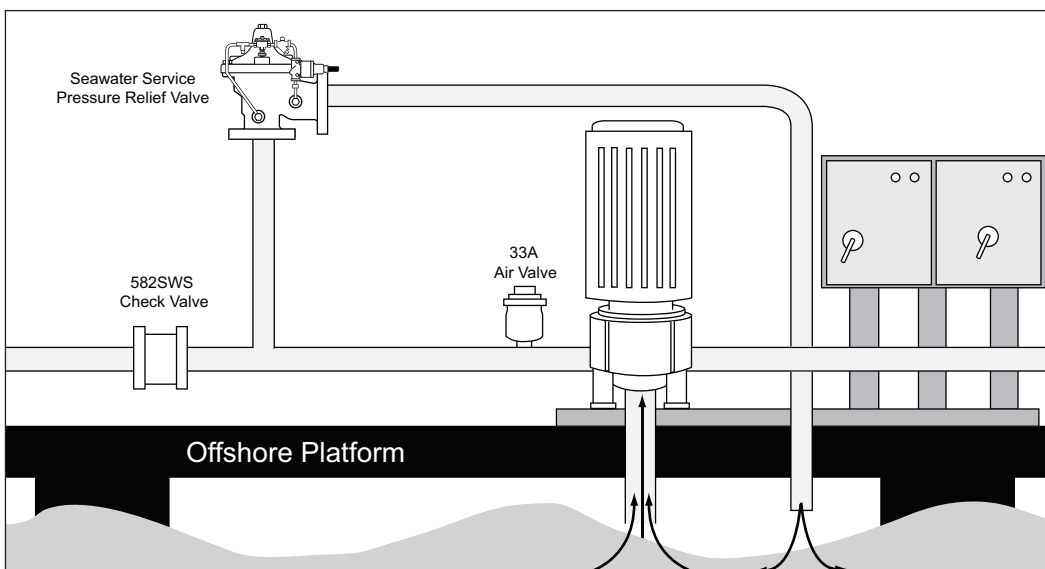
### SPECIFICATIONS

The two-door wafer check valve shall be compact wafer design, to fit between ANSI flanges. The check valve doors shall be spring-loaded closed, by means of one or more heavy-duty stainless steel torsion springs. Flow shall cause the doors to open and upon pump shut down, the torsion spring will shut the doors, before reverse flow starts, for non-slam closure.

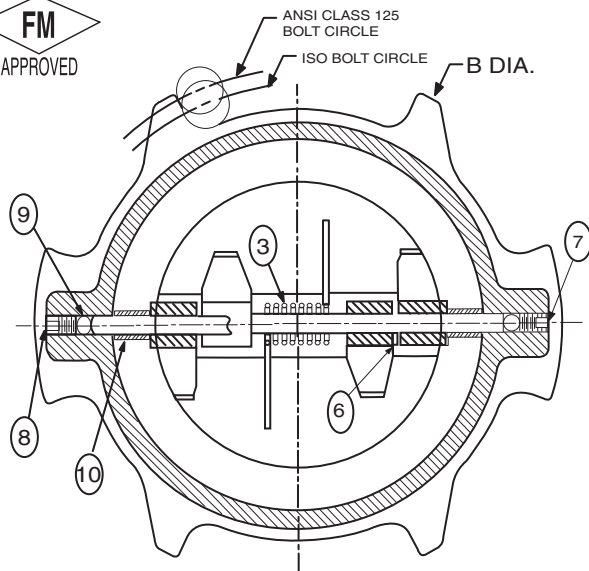
Seating shall be resilient and watertight. The sealing element shall be Nitrile rubber molded to the body. Valves 4" and larger shall be fitted with a tapped hole to mount an eye bolt for lifting. The valve shall be a Cla-Val Series 582SWS Two-Door Wafer Check Valve.

Although lighter in weight than globe style swing check valves, Cla-Val Two-Door Wafer Check Valves are designed for heavy-duty applications. For ease of installation, valves 6" and larger are supplied with a tapped hole for installing a lifting eye bolt. All materials conform to ASTM specifications, ensuring long lasting reliable performance. As a confirmation of Cla-Val's commitment to quality, 4" to 16" 125 lb. class Series 582SWS valves are Factory Mutual approved.

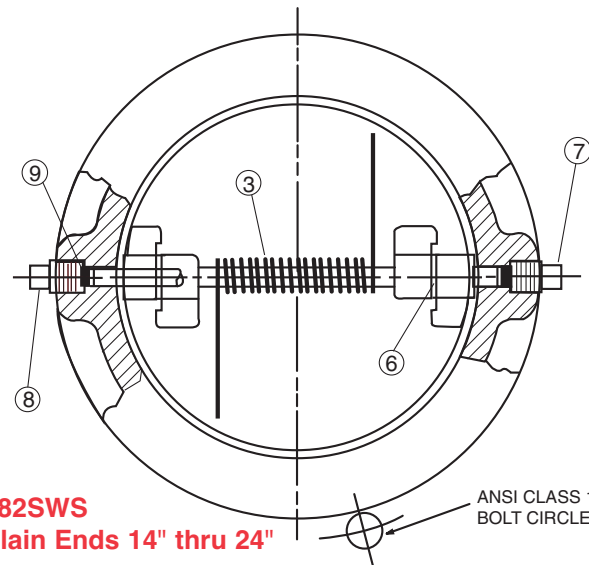
### Typical Application



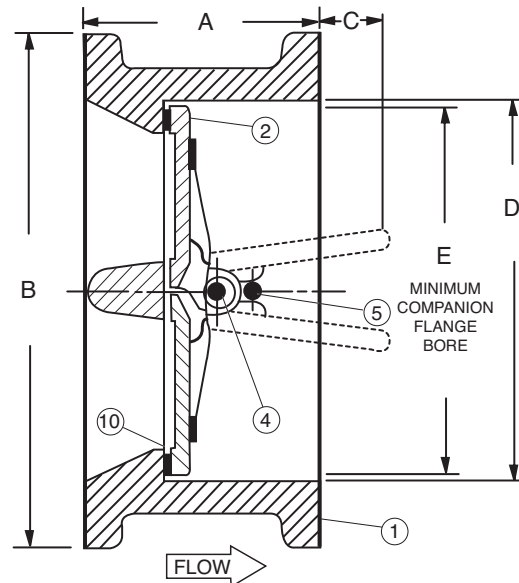
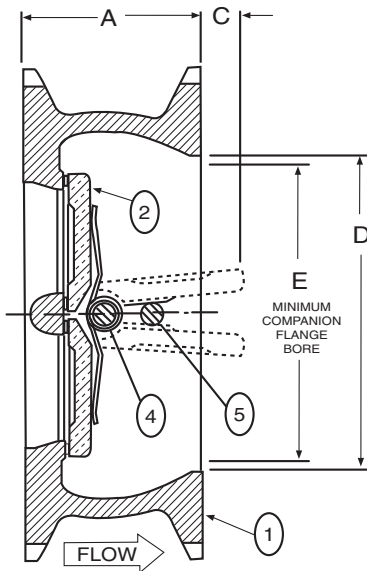
# Series 582SWS Two-Door Wafer Check Valve



**582SWS Wing Ends Ends 4" thru 12"**



**582SWS Plain Ends 14" thru 24"**



Part No.	Name	Material
1	Body	Aluminum Bronze ASTM B148, Alloy 95200 with Buna-N® resilient Seat Molded Body
2	Door	Aluminum Bronze ASTM B148, Alloy 95200
3	Torsion Springs	Inconel X750, ASTM B637 Alloy N04400
4	Door Hinge Pin	Monel ASTM B164, Alloy N04400
5	Door Stop Pin	Monel ASTM B164, Alloy N04400

Part No.	Name	Material
6	Door Thrust Bearing	Monel ASTM B164, Alloy N04400
7	Hinge Pin Retainer	Monel 400
8	Stop Pin Retainer	Monel 400
9	Stabilization Sphere	Buna-N®
10	Spacer (2" - 12" Sizes)	Monel ASTM B164, Alloy N04400

## Dimensions (In Inches)

Size	Model	A	B	C	D	E
<b>Wing Ends Two-Door Wafer Check Valve - ANSI Class 150</b>						
4*	582SWS.4	2 5/8	6 7/8	1	4 5/8	3 7/8
6*	582SWS.6	3 3/4	8 5/8	1 1/4	6 1/4	4 1/4
8*	582SWS.8	5	12 1/4	1 5/8	8	5 1/2
10*	582SWS.10	5 1/2	14 3/4	2 1/2	10 1/4	8 1/2
12*	582SWS.12	7 1/8	17 3/8	1 15/16	12	9 1/4
<b>Plain Ends Two-Door Wafer Check Valve for Seawater Service</b>						
14*	582SWS.14	7 1/4	17 3/4	3 1/8	14 3/8	12 1/2
16*	582SWS.16	7 1/2	20 1/4	4 1/2	16 3/8	15
18	582SWS.18	8	21 5/8	5 3/8	18 3/8	17
20	582SWS.20	8 3/8	23 7/8	6 3/8	20 1/4	19
24	582SWS.24	8 3/4	28 1/4	8 1/2	24 1/4	23

\* FM Approved

**CLA-VAL**

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E-582SWS (R-03/2021)