

TNG

Swing Style Check Valves



**API 6D Steel
Flanged End
Swing Check Valves**

P800 Series
P900 Series

**Oilpatch
Threaded End
Swing Check Valves**

P300 Series

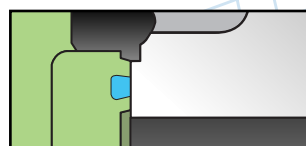
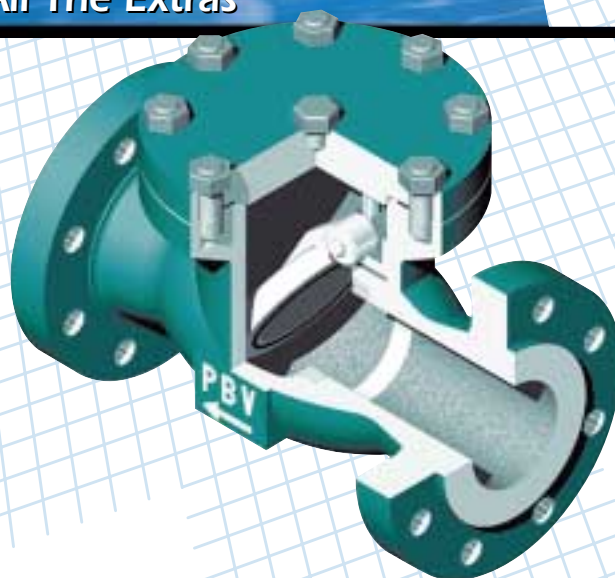


Positive Backflow Prevention With All The Extras

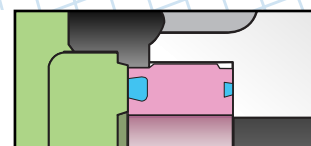
Series P800 and P900 Flanged Swing Check Valves

Standard Features

- 316 SS Trim
- 316 SS overlay on Integral and Removable Seat designs
- 316 SS overlay on Body Disc contact
- API 6D Monogrammed
- Material meets NACE MR0175
- Graphite secondary Body Gasket for Fire-Safe operation
- Dove tail Seat Seal groove
- Full port piggable
- Blind bolt holes and metal-to-metal Body Cover Weather Seal for offshore service
- WCC / WCB dual rated Body material
- Viton® GF Seals
- Hydrostatic tested 100% to API 6D and API 598
- In-line repairable
- Bleed Plug on Cover
- Cast feet to prevent roll over (10" and larger)
- Suitable for horizontal and vertical up-flow installation

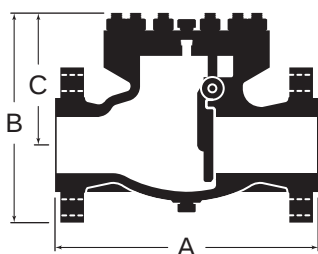


Series P800 Standard Integral Seat
Design seals with a Clapper O-ring.



Series P900 Removable Seat Design
extends the service life of the valve.

Dimensional Data



Contents

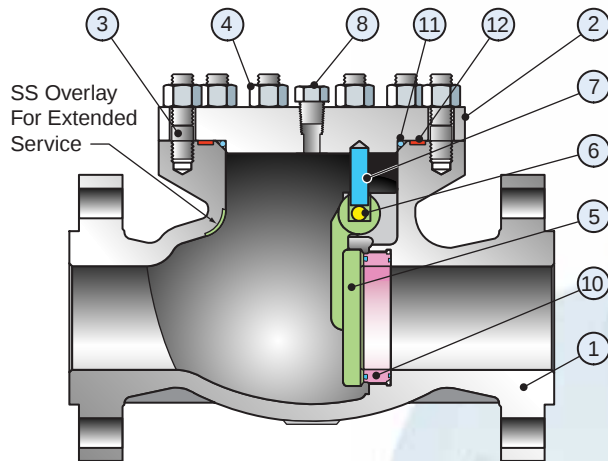
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P800/P900, Carbon Steel								
Valve Size (In)	ANSI Class	Working Pressure	A (In) RF	A (In) RTJ	B (In)	C (In)	Weight (Lbs)	Order Figure Numbers
2	150	275	8	8 1/2	9	6	40	P-810-11-2236-YY
	300	720	10 1/2	11 1/8	9	6 1/2	42	P-830-11-2236-YY
	600	1440	11 1/2	11 5/8	9 1/4	6 1/2	57	P-860-11-2236-YY
	900	2160	14 1/2	14 5/8	10 1/2	8 1/2	150	P-890-11-2236-YY
	1500	3600	14 1/2	14 5/8	10 1/2	8 1/2	150	P-815-11-2236-YY
3	150	275	9 1/2	10	10 5/8	7 1/2	69	P-810-11-2236-YY
	300	720	12 1/2	13 1/8	10 5/8	9	70	P-830-11-2236-YY
	600	1440	14	14 1/8	11 3/8	8 1/4	100	P-860-11-2236-YY
	900	2160	15	15 1/8	11 3/4	9 1/2	180	P-890-11-2236-YY
	1500	3600	18 1/2	18 5/8	15 5/8	10 1/2	280	P-815-11-2236-YY
4	150	275	11 1/2	12	12 5/8	9	94	P-810-11-2236-YY
	300	720	14	14 5/8	13 1/2	10	120	P-830-11-2236-YY
	600	1440	17	17 1/8	13 3/4	10 3/4	181	P-860-11-2236-YY
	900	2160	18	18 1/8	14	11 1/2	250	P-890-11-2236-YY
	1500	3600	21 1/2	21 5/8	17	12 1/4	370	P-815-11-2236-YY
6	150	275	14	14 1/2	16 1/2	11	161	P-810-11-2236-YY
	300	720	17 1/2	18 1/8	18	12 1/2	250	P-830-11-2236-YY
	600	1440	22	22 1/8	19 5/8	14	440	P-860-11-2236-YY
	900	2160	24	24 1/8	20	15	890	P-890-11-2236-YY
	1500	3600	27 3/4	28	22	15 1/2	1040	P-815-11-2236-YY
8	150	275	19 1/2	20	20 1/8	13 3/4	263	P-810-11-2236-YY
	300	720	21	21 5/8	20 1/8	15	380	P-830-11-2236-YY
	600	1440	26	26 1/8	23	16 1/2	567	P-860-11-2236-YY
	900	2160	29	29 1/8	24	18 1/2	1010	P-890-11-2236-YY
10	150	275	24 1/4	25	23 5/8	16 3/4	480	P-810-11-2236-YY
	300	720	24 1/2	25 1/8	25	17 1/2	600	P-830-11-2236-YY
	600	1440	31	31 1/8	29 1/2	20	1210	P-860-11-2236-YY
	900	2160	33	33 1/8	31	21 1/2	1785	P-890-11-2236-YY
12	150	275	27 1/2	28	26 3/8	19	619	P-810-11-2236-YY
	300	720	28	28 5/8	29	20 1/2	850	P-830-11-2236-YY
	600	1440	33	33 1/8	33 7/8	22	1430	P-860-11-2236-YY
	900	2160	38	38 1/8	36	24	2370	P-890-11-2236-YY



Parts & Materials

Item No.	Description	Standard Sour (NACE) Trim
1	Body	ASTM A216 Gr. WCC
2	Cover	ASTM A516 Gr. 70/A216 Gr. WCC
3	Stud	ASTM A193 Gr. B7M
4	Nut	ASTM A194 Gr. 2HM
5	Clapper	ASTM A351 Gr. CF8M
6	Clapper Pin	ASTM A479 Gr. 316 SS
7	Stop Pin	ASTM A105
8	Vent Plug	ASTM A105
9*	Clapper O-ring (Std.)	Viton® GF
10**	Rem. Seat (Opt.)	316 SS
11	Cover O-ring	Viton® GF
12	Cover Gasket	Graphite

*Not shown above, see detail on page two. **Removable seat option illustrated. See detail on page two. NOTE: We reserve the right to change materials and specifications.

Specifying Series P800 and P900 Valve Figure Numbers

Follow the example and use the figure number chart below to specify the valve you need.

Example valve specified: 4" P-960-11-2236-YY

This number represents a 4" P Series, Removable Seat Design, Class 600, Fire-Safe to API 6FD, Raised Face End Connections, Carbon Steel Body & Cover, Stainless Steel Disc, Viton® GF Seals, NACE, no modifications.

P	–	9	60	–	1	1	–	22	36	–	Y	Y
Series	Design	Pressure Class	Fire Tested	End Connection	Body/Cover Material	Disc Material	Seat Seals	Cover Seals				
P	8 6D Integral Seat	10 150	1 API 6FD	1 RF	22 Carbon Steel-WCC	00 Same As Body	B Buna N	B Buna N/Graphite				
	9 6D Removable Seat	30 300		2 Non Standard	28 LT Carbon Steel-LCC		36 Stainless Steel	R LT Buna N	R LT Buna N			
	60 600	3 RTJ					Y Viton® GF	Y Viton® GF/Graphite				
	90 900	4 RF x WE					Z Metal-to-Metal	Z RTJ				
	15 1500	5 WE										
	25 2500	6 RTJ x WE										

Other materials available upon request.

Stretch Your Oilfield Maintenance Dollars

With The Durable Oilpatch Series P300 Threaded Swing Check Valves

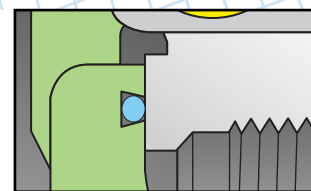
Standard Features

Ductile Iron and Steel

- 316 SS trim
- Material meets NACE MR0175
- Dove tail Seat Seal Groove
- Full port piggable
- Top entry Disc in-line serviceable
- WCC/WCB dual rated Body material
- 90 DU Peroxide Cured Seals
- Hydrostatic tested 100% to API 598
- Bleed Plug on Cover
- Suitable for horizontal and vertical up-flow installation

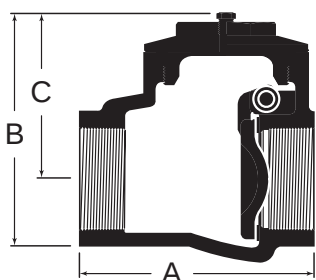
Bronze

- 300 psi MOP rated
- ASTM B62 Body and Trim
- Full port piggable
- Dove tail Seat Seal Groove
- Top entry Disc in-line serviceable
- 90 DU Peroxide Cured Buna Seals
- Hydrostatic tested 100% to API 598
- Suitable for horizontal and vertical up-flow installation



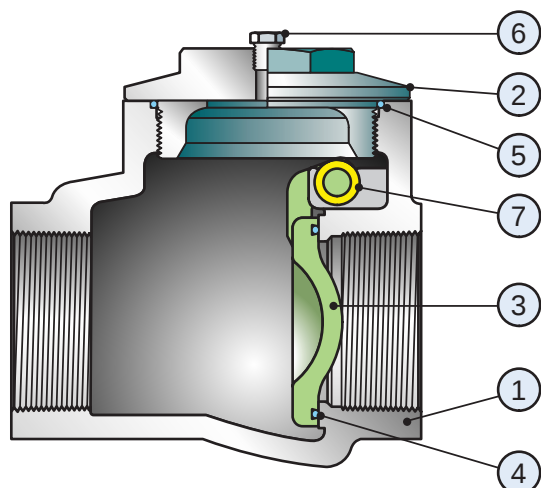
Series P300 Integral Seat Design utilizes a Disc Seal O-ring.

Dimensional Data



P300, Carbon Steel						
Valve Size (In)	MOP (PSI)	A (In)	B (In)	C (In)	Weight (Lbs)	Order Figure Numbers
1	275	4 1/4	4 1/8	1 1/2	8	P-310-00-2236-PP
	720	4 1/4	4 1/8	1 1/2	8	P-330-00-2236-PP
	1440	4 1/4	4 1/8	1 1/2	8	P-360-00-2236-PP
	2160	4 1/4	4 1/8	1 1/2	8	P-390-00-2236-PP
	3600	4 1/4	4 1/8	1 1/2	8	P-315-00-2236-PP
	5000	4 1/4	4 1/8	1 1/2	8	P-355-00-2236-PP
2	275	7 1/4	4 3/8	2	13	P-310-00-2236-PP
	720	7 1/4	4 3/8	2	13	P-330-00-2236-PP
	1440	7 1/4	4 3/8	2	13	P-360-00-2236-PP
	2160	7 1/4	4 3/8	2	13	P-390-00-2236-PP
	3600	7 1/4	4 3/8	2	13	P-315-00-2236-PP
3	275	8 3/4	5 3/4	2 7/8	35	P-310-00-2236-PP
	720	8 3/4	5 3/4	2 7/8	35	P-330-00-2236-PP
	1440	8 3/4	5 3/4	2 7/8	35	P-360-00-2236-PP
	2160	8 3/4	5 3/4	2 7/8	35	P-390-00-2236-PP
4	275	10	7 5/8	4	70	P-310-00-2236-PP
	720	10	7 5/8	4	70	P-330-00-2236-PP
	1440	10	7 5/8	4	70	P-360-00-2236-PP
	2160	10	7 5/8	4	70	P-390-00-2236-PP

P300, Bronze				
Valve Size (In)	MOP (PSI)	End To End (In)	Weight (Lbs)	Order Figure Numbers
1	300	3 9/16	2	P-33M-00-2400-PP
2	300	5 3/16	5	P-33M-00-2400-PP
3	300	7 1/4	12	P-33M-00-2400-PP
4	300	9 1/4	26	P-33M-00-2400-PP



Parts & Materials

Item No.	Description	Carbon Steel	Ductile Iron	Bronze
1	Body	ASTM A216 WCC	ASTM A395	Bronze B62
2	Bonnet	ASTM A216 WCC	ASTM A395	Bronze B62
3	Disc	ASTM A351 CF8M	ASTM A351 CF8M	Bronze B62
4	Disc Seal	90 Durometer Peroxide Cured Buna	90 Durometer Peroxide Cured Buna	90 Durometer Peroxide Cured Buna
5	Bonnet Seal	90 Durometer Peroxide Cured Buna	90 Durometer Peroxide Cured Buna	90 Durometer Peroxide Cured Buna
6	Plug	ASTM A105	ASTM A105	NA
7	Bushing	304 SS (1" only)	304 SS (1" only)	Bronze

P300, Ductile Iron						
Valve Size (In)	MOP (PSI)	A (In)	B (In)	C (In)	Weight (Lbs)	Order Figure Numbers
1	300	4 1/4	4 1/8	1 1/2	8	P-33M-00-2136-PP
	600	4 1/4	4 1/8	1 1/2	8	P-36M-00-2136-PP
	750	4 1/4	4 1/8	1 1/2	8	P-37M-00-2136-PP
	1000	4 1/4	4 1/8	1 1/2	8	P-31K-00-2136-PP
	1500	4 1/4	4 1/8	1 1/2	8	P-360-00-2136-PP
	2000	4 1/4	4 1/8	1 1/2	8	P-32K-00-2136-PP
2	300	6	4 3/8	2	12	P-33M-00-2136-PP
	600	6	4 3/8	2	12	P-36M-00-2136-PP
	750	6	4 3/8	2	12	P-37M-00-2136-PP
	1000	6	4 3/8	2	12	P-31K-00-2136-PP
	1500	6	4 3/8	2	12	P-360-00-2136-PP
	2000	6	4 3/8	2	12	P-32K-00-2136-PP
3	300	8	5 3/4	2 7/8	31	P-33M-00-2136-PP
	600	8	5 3/4	2 7/8	31	P-36M-00-2136-PP
	750	8	5 3/4	2 7/8	31	P-37M-00-2136-PP
	1000	8	5 3/4	2 7/8	31	P-31K-00-2136-PP
	1500	8	5 3/4	2 7/8	31	P-360-00-2136-PP
	2000	8	5 3/4	2 7/8	31	P-32K-00-2136-PP
4	300	10	7 5/8	4	63	P-33M-00-2136-PP
	600	10	7 5/8	4	63	P-36M-00-2136-PP
	750	10	7 5/8	4	63	P-37M-00-2136-PP
	1000	10	7 5/8	4	63	P-31K-00-2136-PP
	1500	10	7 5/8	4	63	P-360-00-2136-PP
	2000	10	7 5/8	4	63	P-32K-00-2136-PP

Specifying Series P300 Oilpatch Valve Figure Numbers

Follow the example and use the figure number chart below to specify the valve you need.

Example valve specified: 3" P-330-00-2236-PP

This number represents a 3" P Series Oilpatch Design, ANSI Class 300 (720 WOG), Non Fire-Safe, Threaded End Connections, Carbon Steel Body & Cover, Stainless Steel Disc, with Peroxide Cured Buna N Seals and No Modifications.

P	3	6 M	0	0	2 2	3 6	P	P	
Series	Design	Pressure Class		Fire Tested	End Connection	Body/Cover Material	Disc Material	Seat Seals	Cover Seals
		Carbon Steel	Ductile Iron /Bronze						
P	3 Oilpatch	10 Cl. 150 (275 WOG)	3M 300 WOG	0 Non Fire-Safe	0 Threaded	21 Ductile Iron	00 Same As Body	B Buna	B Buna
		30 Cl. 300 (720 WOG)	6M 600 WOG			22 Carbon Steel	36 Stainless Steel	P Peroxide Cured Buna	P Peroxide Cured Buna
		60 Cl. 600 (1440 WOG)	7M 750 WOG			24 Bronze	Y Viton® GF	Y Viton® GF	
		90 Cl. 900 (2160 WOG)	1K 1000 WOG						
		15 Cl. 1500 (3600 WOG)	60 1500 WOG						
		5S 5000 WOG*	2K 2000 WOG						

* 1" Carbon Steel Only.

Manufactured in Strict Conformance with the following Qualifying Authorities

- ISO 9000 Quality System
- API 6D Specification for Pipeline Valves
- ASME B16.34 Valves-Flanged, Threaded and Welding End
- ASME B16.5 Pipe Flanges and Flanged Fittings
- NACE MR0175 Sulfide Stress Cracking Resistant Metallic Materials for Oilfield Equipment
- CSA #Z245.15 Steel Valves
- ASME Section VIII Division 1 Boiler and Pressure Vessel Code
- Canadian Registration Number (CRN) Products Registered in all Provinces and Territories