

# 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

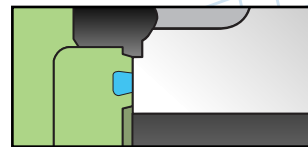
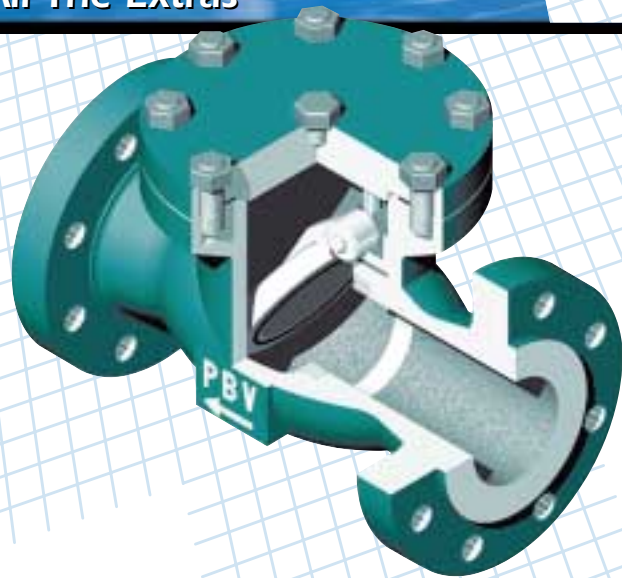


## Positive Backflow Prevention With All The Extras

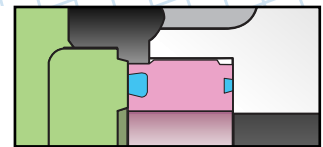
### Series P800 and P900 Flanged Swing Check Valves

#### 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

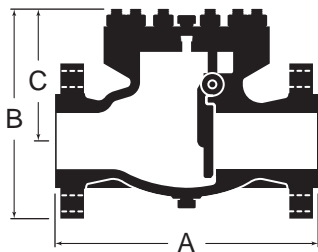


Series P800 Standard Integral Seat Design seals with a Clapper O-ring.



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

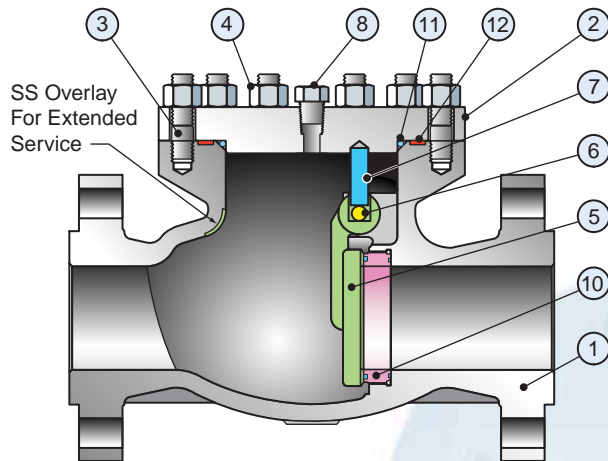
#### Dimensional Data



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
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
	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

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### 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.



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
		60 600		3 RTJ				
		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

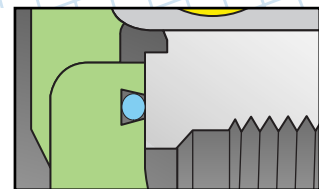
#### Standard Features

##### 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

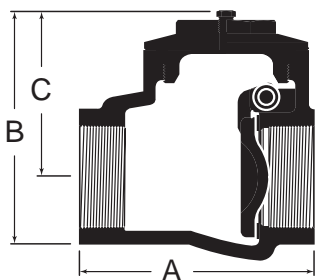
##### Bronze

- 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



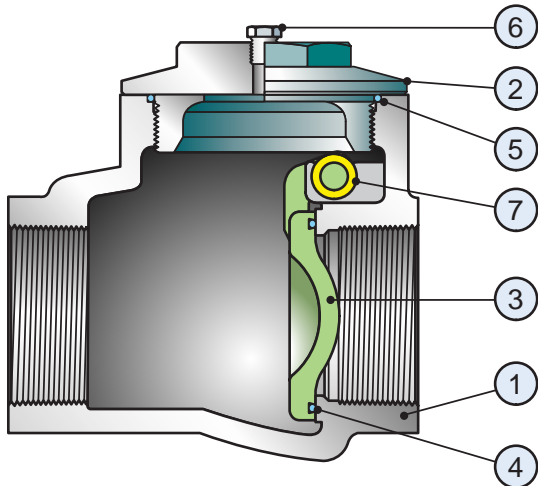
Series P300 Integral Seat Design utilizes a Disc Seal O-ring.

#### 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**

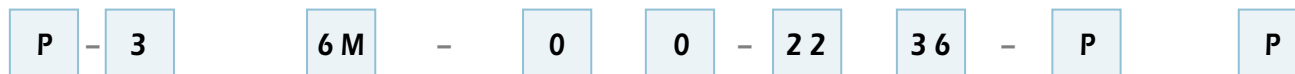
Valve Size (In)	MOP (PSI)	A (In)	B (In)	C (In)	Weight (Lbs)	Order Figure Numbers
1	300	4 1/4	4 1/8	1 1/2	8	P-33M-00-2136-PP
	600	4 1/4	4 1/8	1 1/2	8	P-36M-00-2136-PP
	750	4 1/4	4 1/8	1 1/2	8	P-37M-00-2136-PP
	1000	4 1/4	4 1/8	1 1/2	8	P-31K-00-2136-PP
	1500	4 1/4	4 1/8	1 1/2	8	P-360-00-2136-PP
	2000	4 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.



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	<b>10</b> Cl. 150 (275 WOG)	<b>3M</b> 300 WOG	<b>0</b> Non Fire-Safe	<b>0</b> Threaded	<b>21</b> Ductile Iron	<b>00</b> Same As Body	<b>B</b> Buna	<b>B</b> Buna							
		<b>30</b> Cl. 300 (720 WOG)	<b>6M</b> 600 WOG							<b>22</b> Carbon Steel	<b>36</b> Stainless Steel	<b>P</b> Peroxide Cured Buna	<b>P</b> Peroxide Cured Buna			
		<b>60</b> Cl. 600 (1440 WOG)	<b>7M</b> 750 WOG											<b>24</b> Bronze	<b>Y</b> Viton® GF	<b>Y</b> Viton® GF
		<b>90</b> Cl. 900 (2160 WOG)	<b>1K</b> 1000 WOG													
		<b>15</b> Cl. 1500 (3600 WOG)	<b>60</b> 1500 WOG													
		<b>5S</b> 5000 WOG*	<b>2K</b> 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