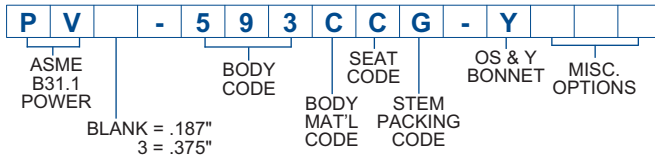


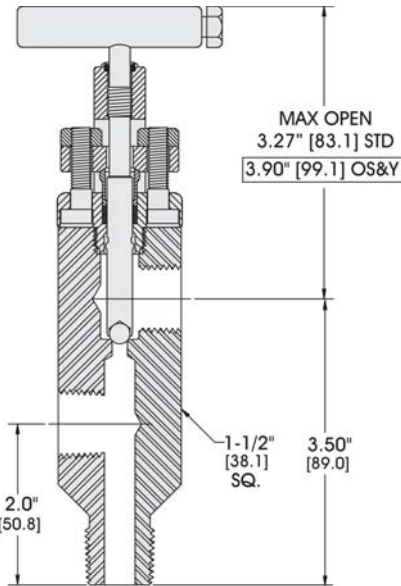
Blowdown Valves

.187" .375" ORIFICE

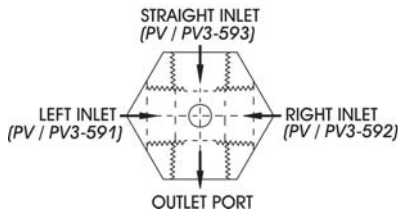
ASME B31.1 2500# CLASS



PV-593



INLET ORIENTATION
(viewed from top of valve)



Notes

- 100% hydrostatically pressure tested 1.5 times the design pressure per B16.34 requirements
- Pipe socket weld inlet and outlets available
- Stellite seat inserts available
- Additional inlet ports available
- PGI Carbon Steel products are Alkaline cleaned and coated with Zinc Phosphate solution; rust preventative solution applied
- Standard packed bonnet available

ORDERING INFORMATION

PART NO.	CONNECTIONS		BODY	SEAT & PACKING	
	INLET ORIENTATION	OUTLET			
.187" Orifice					
PV-591CCG-Y	½" MNPT Left	½" FNPT	A105 Carbon Steel	Carbide Ball Seat	
PV-591SCG-Y			316 SS		
PV-592CCG-Y	½" MNPT Right	½" FNPT	A105 Carbon Steel		Low-Torque™ Grafoil® Packed
PV-592SCG-Y			316 SS		
PV-593CCG-Y	½" MNPT Straight	½" FNPT	A105 Carbon Steel		
PV-593SCG-Y			316 SS		
.375" Orifice					
PV3-591CCG-Y	½" MNPT Left	½" FNPT	A105 Carbon Steel	Carbide Ball Seat	
PV3-591SCG-Y			316 SS		
PV3-592SCG-Y	½" MNPT Right	½" FNPT	A105 Carbon Steel		Grafoil® Packed
PV3-592CCG-Y			316 SS		
PV3-593CCG-Y	½" MNPT Straight	½" FNPT	A105 Carbon Steel		
PV3-593SCG-Y			316 SS		
Carbon Steel Rated to 6170 PSI @ 100°F -- 3430 PSI @ 800°F 316 SS Rated to 6000 PSI @ 100°F -- 3030 PSI @ 1000°F					
See Pressure & Temperature Chart on Page 4.					
OPTION CODE		DESCRIPTION			
Seat Material Options					
6	316 SS Ball Seat				
R	Ceramic Ball Seat				
S	Stellite Ball Seat				
Miscellaneous Options					
AM7	Male Pipe Socket Weld - Male Inlet Only				
W1	316 SS Tag				
WK	Paper Tag				

Materials of Construction

PART DESCRIPTION	CARBON STEEL	316 SS
Body	ASTM A105 CF	ASTM A479-316
Bonnet	ASTM A105 CF	ASTM A351-CF3M
Stem	ASTM A479-316	ASTM A479-316
Yoke (OS&Y Bonnet)	ASTM A351-CF3M	ASTM A351-CF3M
Packing Follower	ASTM A479-316	ASTM A479-316
Bolt	ASTM A574	ASTM F837 GR1-CW
Handle Assembly	ASTM A108	ASTM A581 18-8
Stem Lock Pin	ASTM A479-316	ASTM A479-316

Max Cv Ratings

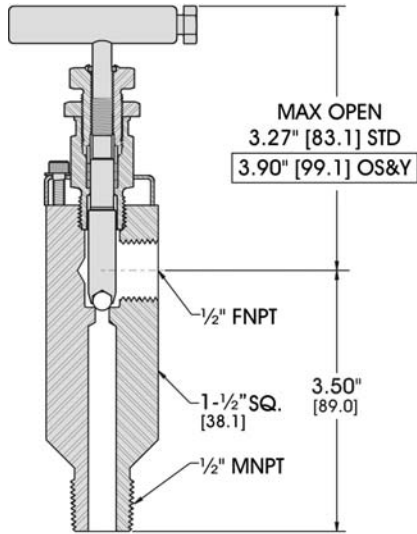
ORIFICE SIZE	MAX Cv RATINGS
.187"	.53
.375"	3.00
Approximate Valve Weight:	3.10 lbs. [1.40 kg] each [PV-591/592/593] 4.80 lbs. [2.18 kg] each [PV3-591/592/593]

Root & Angle Valves

.187" .375" ORIFICE

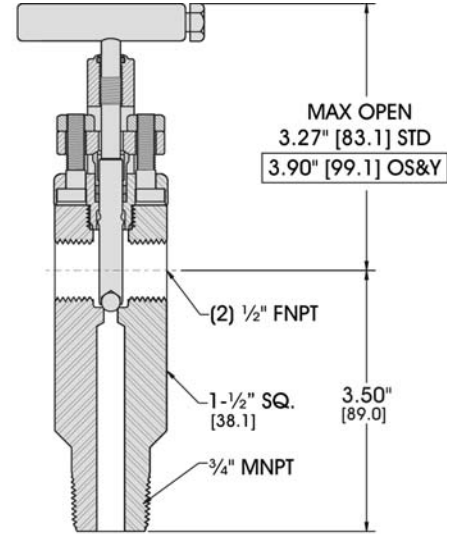
ASME B31.1 2500# CLASS

Single Outlet: PV-579SCG



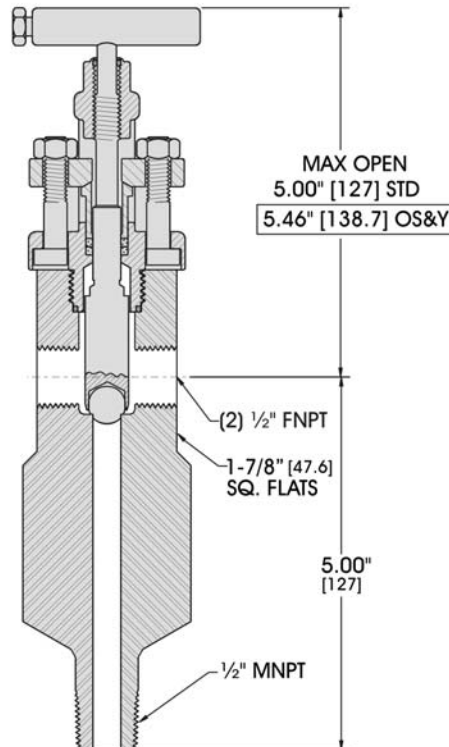
**Standard Packed Bonnet
.187" Orifice**

Double Outlet: PV-582SCG-Y



**OS&Y Bonnet
.187" Orifice**

Double Outlet: PV3-580SCG-Y

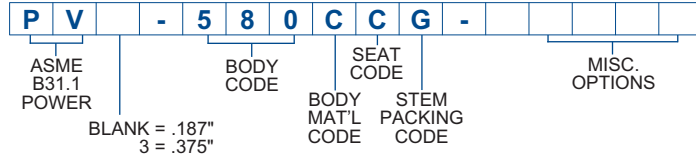


**OS&Y Bonnet
.375" Orifice**

Root & Angle Valves

.187" .375" ORIFICE

ASME B31.1 2500# CLASS



ROOT & ANGLE VALVES

ORDERING INFORMATION

PART NO.	CONNECTIONS		BODY BONNET	SEAT & PACKING
	INLET x OUTLET			
.187" Orifice				
PV-579CCG	½" MNPT	(1) ½" FNPT Single Outlet	A105 Carbon Steel 316 SS	Carbide Ball Seat
PV-579SCG	½" MNPT	(1) ½" FNPT Single Outlet	A105 Carbon Steel 316 SS	
PV-581CCG	¾" MNPT	(1) ½" FNPT Single Outlet	A105 Carbon Steel 316 SS	Low-Torque™ Grafoil® Packed
PV-581SCG	¾" MNPT	(1) ½" FNPT Single Outlet	A105 Carbon Steel 316 SS	
PV-580CCG	½" MNPT	(2) ½" FNPT Double Outlet	A105 Carbon Steel 316 SS	
PV-580SCG	½" MNPT	(2) ½" FNPT Double Outlet	A105 Carbon Steel 316 SS	
PV-582CCG	¾" MNPT	(2) ½" FNPT Double Outlet	A105 Carbon Steel 316 SS	Grafoil® Packed
PV-582SCG	¾" MNPT	(2) ½" FNPT Double Outlet	A105 Carbon Steel 316 SS	
.375" Orifice				
PV3-579CCG	½" MNPT	(1) ½" FNPT Single Outlet	A105 Carbon Steel 316 SS	Carbide Ball Seat
PV3-579SCG	½" MNPT	(1) ½" FNPT Single Outlet	A105 Carbon Steel 316 SS	
PV3-581CCG	¾" MNPT	(1) ½" FNPT Single Outlet	A105 Carbon Steel 316 SS	Grafoil® Packed
PV3-581SCG	¾" MNPT	(1) ½" FNPT Single Outlet	A105 Carbon Steel 316 SS	
PV3-580CCG	½" MNPT	(2) ½" FNPT Double Outlet	A105 Carbon Steel 316 SS	
PV3-580SCG	½" MNPT	(2) ½" FNPT Double Outlet	A105 Carbon Steel 316 SS	
PV3-582CCG	¾" MNPT	(2) ½" FNPT Double Outlet	316 SS	Grafoil® Packed
PV3-582SCG	¾" MNPT	(2) ½" FNPT Double Outlet	316 SS	
PV3-583CCG	1" MNPT	(1) ½" FNPT Single Outlet	316 SS	
Carbon Steel Rated to 6170 PSI @ 100°F -- 3430 PSI @ 800°F 316 SS Rated to 6000 PSI @ 100°F -- 3030 PSI @ 1000°F				
See Pressure & Temperature Chart on Page 4.				
OPTION CODE	DESCRIPTION			
Seat Material Options				
6	316 SS Ball Seat			
R	Ceramic Ball Seat			
S	Stellite Ball Seat			
Miscellaneous Options				
AM7	Male Pipe Socket Weld - Male Inlet Only			
ST	Throttling Stem Tip (316 SS Standard)			
W1	316 SS Tag (20 Characters)			
WK	Paper Tag			
Y	OS & Y Bonnet			

Notes

- 100% hydrostatically pressure tested 1.5 times the design pressure per B16.34 requirements
- PGI Carbon Steel products are Alkaline cleaned and coated with Zinc Phosphate solution; rust preventative solution applied
- OS & Y Bonnet Available on all Models
- Socket Weld Inlet and Outlets Available
- Double Block Valves Available - Consult Factory
- Stellite Seat Inserts Available
- Extended Length Available

Materials of Construction

PART DESCRIPTION	CARBON STEEL	316 SS
Body	ASTM A105 CF	ASTM A479-316
Bonnet	ASTM A105 CF	ASTM A351-CF3M
Stem	ASTM A479-316	ASTM A479-316
Yoke (OS&Y Bonnet)	ASTM A351-CF3M	ASTM A351-CF3M
Packing Follower	ASTM A479-316	ASTM A479-316
Bolt	ASTM A574	ASTM F837 GR1-CW
Handle Assembly	ASTM A108	ASTM A581 18-8
Lockplate	Stainless Steel 18-8	Stainless Steel 18-8
Stem Lock Pin	ASTM A479-316	ASTM A479-316

Max Cv Ratings

ORIFICE SIZE	MAX Cv RATINGS
.187"	.53
.375"	3.00
Approximate Valve Weight:	3.10 lbs. [1.41 kg] each [.187" Orifice] 4.80 lbs. [2.18 kg] each [.375" Orifice]