



BLOW-OFF DRAIN VALVE ♦ BALL VALVE DESIGN

1000 WOG ♦ STAINLESS STEEL

MODEL:
BV 80-SS (1000 WOG - Stainless Steel)

1/4" TROUGH 2"
Male x Female Ends



FEATURES

- ♦ FULL PORT DESIGN OFFERS COMPLETE AND RAPID CLEANING OF STRAINER SCREEN
- ♦ IDEAL DRAIN VALVE FOR BLOW-DOWN OPERATIONS OF TITAN FCI WYE AND BASKET STRAINERS
- ♦ PROVIDES LOCKING HANDLE WITH QUICK, QUARTER TURN OPERATION
- ♦ OPTIONAL SAFETY "DEAD-MAN", SPRING RETURN HANDLE AVAILABLE
- ♦ MALE THREAD ENDS MOUNT DIRECTLY INTO STRAINER BLOW-OFF CONNECTION
- ♦ PROFESSIONALLY INSTALLED AT OUR FACTORY GUARANTEES QUALITY AND HELPS TO REDUCE SHIPPING AND LABOR COSTS

TECHNICAL

PRESSURE/TEMPERATURE RATING

BV80 1/4" - 2"

WOG (Non-shock): 1000 PSI @ 100 °F

TEMPERATURE: -4 °F ~ 365 °F

1. The above listed temperatures are theoretical and may vary during actual operating conditions.
2. Max and min temperatures are for reference only. Prolonged use at these temperatures is not recommended for optimal service life.

APPLICATIONS

SCREEN CLEANING: DURING NORMAL USE, THE STRAINER SCREEN WILL BECOME CLOGGED WITH FOREIGN MATTER CAUSING THE DIFFERENTIAL PRESSURE TO INCREASE. ONCE THE DIFFERENTIAL PRESSURE HAS REACHED AN UNACCEPTABLE VALUE, BLOW-DOWN CLEANING IS RECOMMENDED. IT IS NOT ADVISABLE TO ALLOW THE DIFFERENTIAL PRESSURE TO INCREASE BY 20 PSI AS THIS MAY CAUSE THE SCREEN TO FAIL AND POSSIBLY DAMAGE DOWNSTREAM EQUIPMENT. IF THE DIFFERENTIAL PRESSURE IS NOT RESTORED TO NORMAL PARAMETERS AFTER BLOW-DOWN CLEANING THEN THE SCREEN MUST BE REMOVED AND CLEANED OR REPLACED.

HAVE TITAN PROFESSIONALLY INSTALL A BV-80 WHEN PURCHASING A TITAN Y-STRAINER. NOT ONLY WILL YOU BE ASSURED THAT IT IS INSTALLED CORRECTLY, BUT YOU MAY SAVE ON SHIPPING COSTS AS WELL.

SELF-CLEANING Y-STRAINER



TITAN® FLOW CONTROL, INC.
YOUR PIPELINE TO THE FUTURE!

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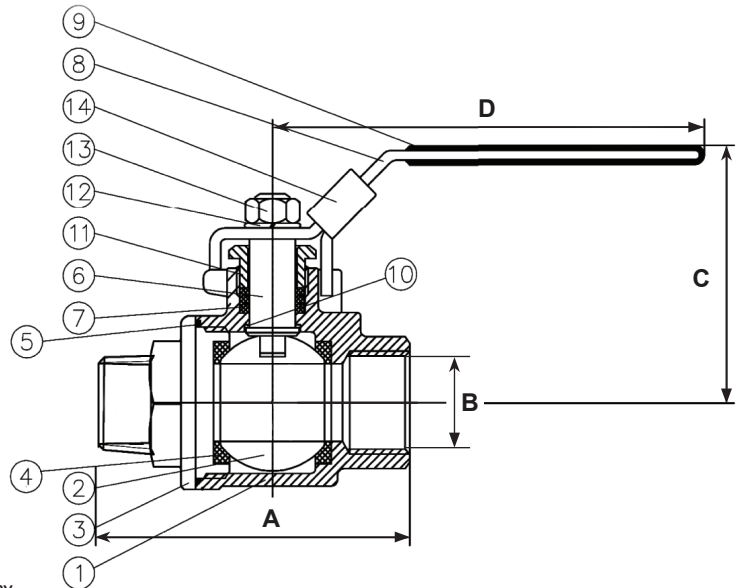


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WOG
1000
PSI

BILL OF MATERIALS ⁽¹⁾			
No.	PART	BV 80-SS	QTY
1	Body	A351 CF8M	1
2	Ball	A182 F316	1
3	End Cap	A351 CF8M	1
4	Seat Ring ⁽²⁾	R-PTFE	1
5	Body Seal ⁽²⁾	PTFE	2
6	Stem	A182 F316	1
7	Stem Seal	PTFE	1
8	Handle	Stainless Steel	1
9	Handle Cover	PVC	1
10	Thrust Washer ⁽²⁾	R-PTFE	1
11	Gland Nut	Stainless Steel	1
12	Handle Washer	Stainless Steel	1
13	Handle Nut	A2-70	1
14	Locking Pad	Stainless Steel	1



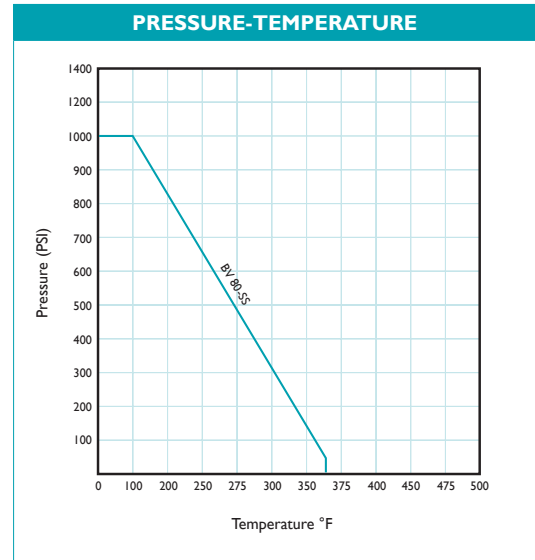
1. BOM represents standard materials. Equivalent or better materials may be substituted at the manufacturer's discretion.
2. Denotes recommended spare parts.

DIMENSIONS AND PERFORMANCE DATA ⁽¹⁾									
SIZE	in	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
	mm	8	10	15	20	25	32	40	50
A DIMENSION FACE TO FACE ⁽²⁾	in	2.48	2.48	3.07	3.54	4.33	4.92	5.31	6.02
	mm	63	63	78	90	110	125	135	153
ØB DIMENSION INSIDE DIAMETER	in	0.28	0.39	0.59	0.79	.98	1.26	1.57	1.97
	mm	7	10	15	20	25	32	40	50
C DIMENSION HORIZONTAL CENTER LINE TO TOP OF HANDLE	in	2.09	2.09	2.28	2.48	2.80	3.07	3.62	3.94
	mm	53	53	58	63	71	78	92	100
D DIMENSION VERTICAL CENTER LINE TO END OF HANDLE	in	3.90	3.90	4.13	4.69	6.10	6.18	6.81	11.81
	mm	99	99	105	119	155	157	173	300
APPROXIMATE WEIGHT	lb	0.22	0.22	0.44	0.89	1.65	2.65	3.09	4.41
	kg	0.10	0.10	0.20	0.40	0.75	1.20	1.40	2.00
Flow Coefficient	C _v	10	12	38	66	105	190	275	480

1. Dimensions and weights are for reference only. When required, request certified drawings.
2. Face to face values have a tolerance of ±0.06 in (±2.0 mm) for sizes 10" and lower and a tolerance of ±0.12 in (±3.0 mm) for sizes 12" and larger.

Design Notes:

1. For chemical and industrial applications
2. High quality investment casting body and caps
3. Threaded ends NPT ASME B1.20.1
4. Size: 1/4" ~ 2" full port
5. Blow-out proof stem design
6. Anti-static device standard applied between stem to body and stem to ball
7. Stem with O-Ring maintains stem alignment, reduces packing side loading and wear
8. Nace MR0175
9. Locking handle
10. 15% reinforced glass fibrous Teflon seats



TEST PRESSURE	
All valves are factory tested in accordance with MSS-SP72 at 80 ~ 100 PSI under water in open and closed positions	
TYPE	PSI
SEAT (AIR)	87 PSI
SEAT (HYDROSTATIC)	1100 PSI
SHELL (HYDROSTATIC)	1500 PSI

As †Titan product changes occur, there may be short-term differences between actual product specifications and the information contained within our literature. †Titan FCI reserves the right to make design and specification changes to improve our products without prior notification. When required, request certified drawings. †TITAN is a registered trademark of Titan Flow Control Incorporated.