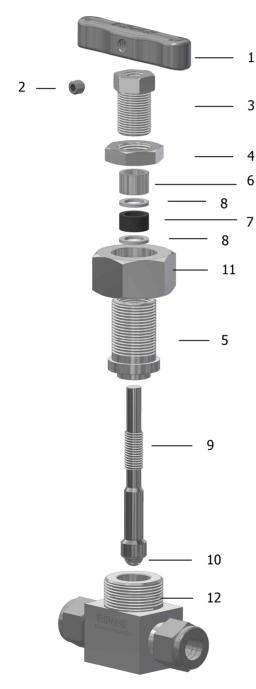
V16W series Instrumention Blowdown Valves

Pressure Rating up to 6,000(413 bar)

Features

- Temperature Rating up to 1,200°F (648°C) with Grafoil packing.
- Designed for use in a fully open or fully closed position.
- Orifice size of 0.25 In(6.4 mm).
- Non-rotating stem disc design.



Materials of Construction

No.	Component	Material			
1	Bar Handle Stainless Steel				
2	Set Screw Stainless Steel				
3	Packing Bolt	ASTM A276 TYPE316			
4	Jam Nut	ASTM A276 TYPE316			
*5	Bonnet	ASTM A276 TYPE316			
6	Gland	ASTM A276 TYPE316			
*7	Packing	Grafoil			
*8	Packing Support	ASTM A276 TYPE316			
*9	Stem	ASTM A276 TYPE316			
*10	Stem Disc	Stellite			
11	Union Nut ASTM A276 TYP				
*12	Body ASTM A276 TYPE316				
* Wetted parts and lubricants listed in blue.					

Pressures-Temperature Ratings

ASME Class	2500		
Material Group	2.2		
Material Name	SS316		
Temperature, °F (°C)	Working pressure, psig (bar)		
-65(-53) to 100 (38)	6000 (413)		
200 (93)	5160 (355)		
300 (148)	4660 (321)		
400 (204)	4280 (294)		
500 (260)	3980 (274)		
600 (315)	3760 (259)		
700 (371)	3600 (248)		
800 (426)	3460 (238)		
900 (482)	3280 (225)		
1000 (537)	3030 (208)		
1100 (593)	2685 (184)		
1200 (648)	1715 (118)		

Factory Test and Cleaning

Every valve is tested with the nitrogen gas @ 1,000 psig (68.9 bar) for leakage at the seat to a maximum allowable leak rate of 0.1 SCCM. The packing is tested for no detectable leakage. Optional hydrostatic shell test with additional cost is performed with pure water at 1.5 times the working pressure. Every valve is cleaned and packaged in accordance with DK-Lok cleaning standard DC-01.

Valve ratings with DK-Lok end connections

Valve ratings may be limited to the maximum working pressure of connective pipe and tubing. For valve rating with DK-Lok tube fitting end connections, refer to DK-Lok catalog providing suggested working pressures in various tubing OD, wall thicknesses, and materials.

Packing adjustment

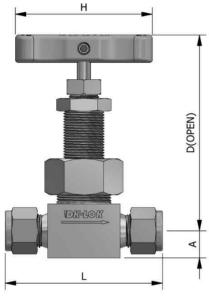
Extreme temperature fluctuations while valve in service may require packing adjustment. Valves that have not been actuated for a period of time may have a higher initial actuation torque.

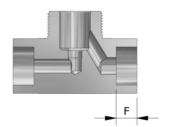
- 1. Loosen the Jam nut and turn the packing bolt clockwise in 1/4-turn increments until leak-tight performance is achieved.
- 2. Retighten the Jam nut
- * A packing adjustment may be required periodically to increase service life and to prevent leakage.

Sour Gas Valves

Valves for use in sour gas are available. Valve wetted components are selected to the requirements of NACE MR0175 for sulfide stress cracking resistant materials. To order, insert -SG in the basic ordering number.

Ordering Information and Dimension





Basic Ordering		End con	nections	Orifice	Dimensions, mm (inch)					
Number		Inlet	Outlet	mm (in.)	Cv	L	Α	Н	D	F
V16W-	F4N-	1/4 Fen	nale NPT		0.86	57.2(2.25)	12.7(0.50)	63.5(2.50)	92(3.62)	-
	F6N-	3/8 Fen	nale NPT			57.2(2.25)	12.7(0.50)	63.5(2.50)	92(3.62)	-
	D10M-	10mm	Dk-Lok	6.4 (0.25)		72.4(2.85)	12.7(0.50)	63.5(2.50)	92(3.62)	-
	D6T-	3/8 🛭	k-Lok			71.9(2.83)	12.7(0.50)	63.5(2.50)	92(3.62)	-
	D12M-	12mm	Dk-Lok			77.2(3.04)	12.7(0.50)	63.5(2.50)	92(3.62)	-
	D8T-	1/2 [k-Lok			77.2(3.04)	12.7(0.50)	63.5(2.50)	92(3.62)	-
	SW4P-	1/4	PSW			57.2(2.25)	12.7(0.50)	63.5(2.50)	92(3.62)	9.5(0.37)
	SW6T-	3/8	TSW			57.2(2.25)	12.7(0.50)	63.5(2.50)	92(3.62)	7.9(0.31)
	SW8T-	1/2	TSW			57.2(2.25)	12.7(0.50)	63.5(2.50)	92(3.62)	9.5(0.37)

Select the desired basic ordering number, and options from designators listed below.

V16W -F8N -S -S -S \downarrow \downarrow \downarrow

Value	Value Find Commenter	Vent & Blank Plug	Sour gas service	Body Material	
Valve Series	Valve End Connector Size	Nil : no plug	Nil : no Sour Gas	S : ASTM A276 TYPE 316	
		P: Blank plug	SG : Sour Gas	3 . ASTM A270 TIPL 310	