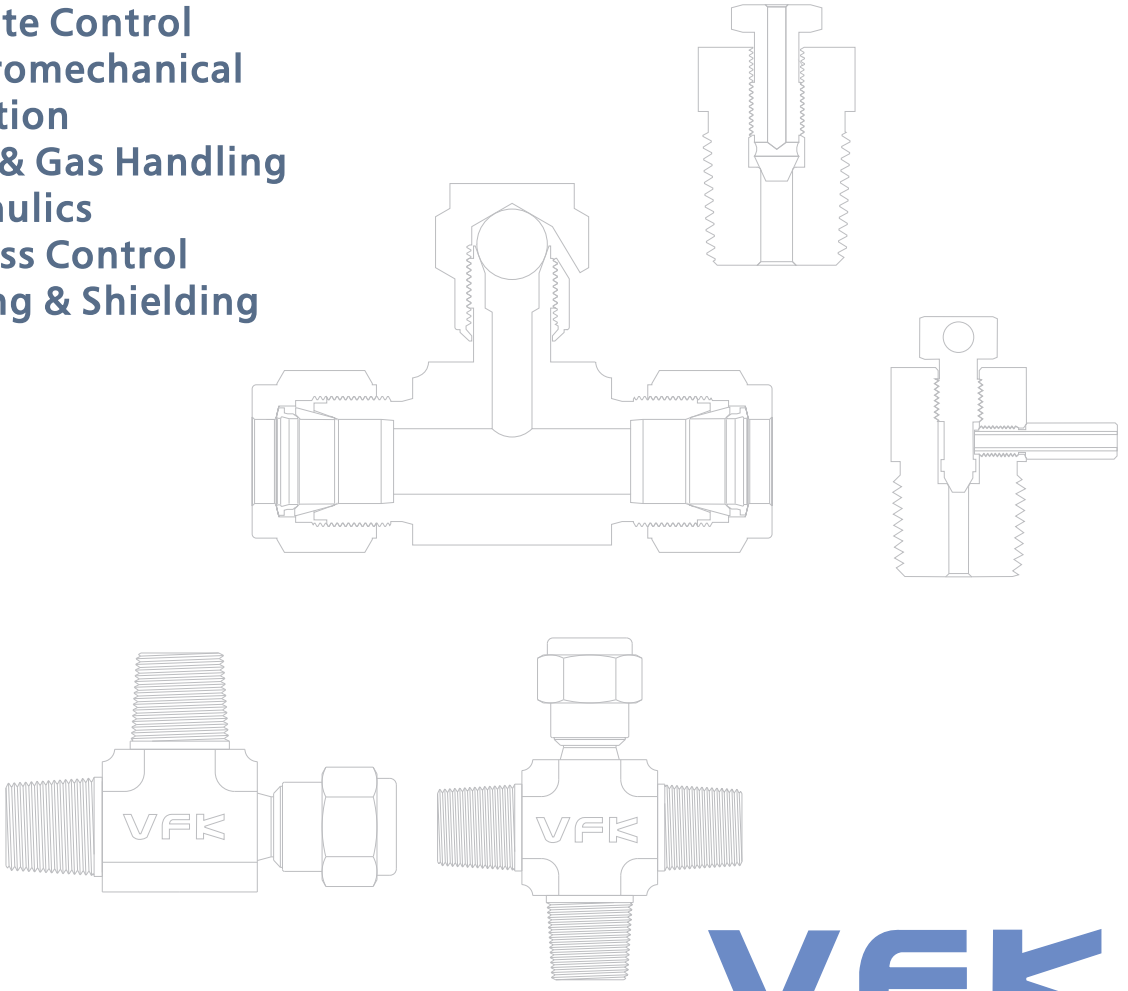
Bleed and Purge Valves

Climate Control
Electromechanical
Filtration
Fluid & Gas Handling
Hydraulics
Process Control
Sealing & Shielding



VFK
Advanced Fluid Control

CONTENTS

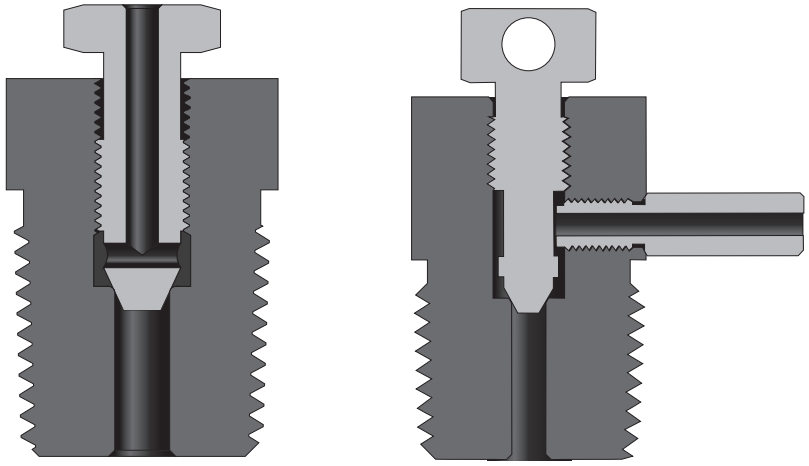
Bleed and Purge Valves

Bleed Valves

63 Series

Introduction

Bleed valves can be used on instrument devices such as multi-valve manifolds or gauge valves to vent signal line pressure to atmosphere before removal of an instrument or to assist in calibration.

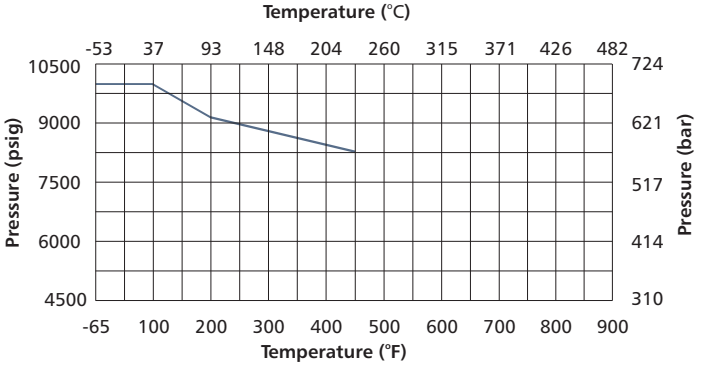


Features

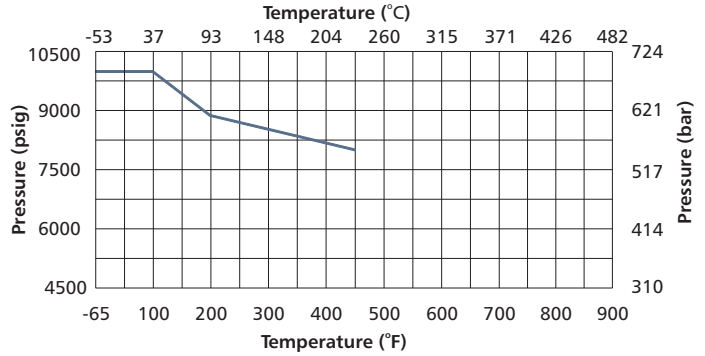
- Compact design for easy installation
- Chrome-plated stem and tip to extend cycle life
- Maximum working pressure: 10000 psig (690 bar)
- Working temperature: -65°F to 850°F (-53°C to 454°C)
- Variety of end connections
- Stainless steel, carbon steel and alloy R-405 available
- Suitable for sour gas service; materials are selected inaccordance with NACE MR0175/ISO 15156.
- Every valve is 100% factory tested with nitrogen.

Pressure vs. Temperature

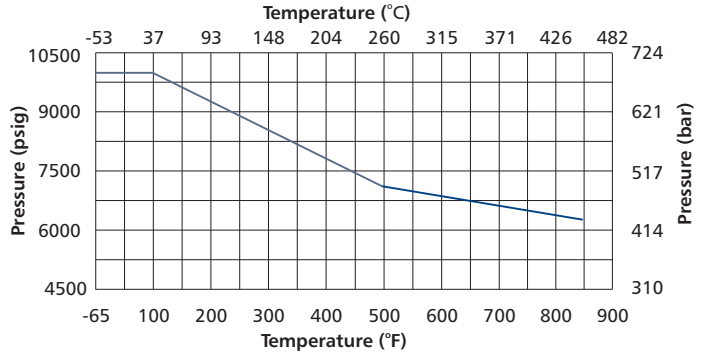
Valve Body with Carbon Steel



Valve Body with Alloy 400

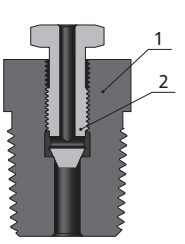


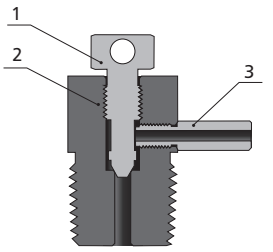
Valve Body with 316 SS



Standard Materials of Construction

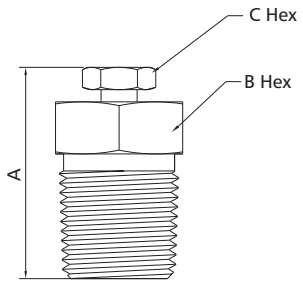
Component		Valve Body Material Grade/ASTM Specification		
		316 SS	Carbon Steel	Alloy R-400
1	Body	316 SS/A479	1018/A108	R-400/B164 Alloy
2	Stem	Chrome-plated 316 SS/A276	Chrome-plated 316 SS/A276	R-400/B164 Alloy
3	Vent Tube	316 SS/A276	316 SS/A276	R-400/B164 Alloy



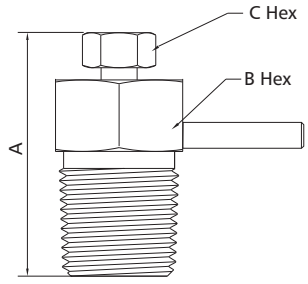


1. Lubricant is nickel antiseize, hydrocarbon carrier.
2. Contact the authorized representative or VFK for other materials.

Dimensions



Standard Type



L Type

Basic Ordering Number	Inlet Type and Size	Dimension, in. (mm)		
		A (open)	B	C
□□63 -N2	1/8 Male NPT	1.56 (39.6)	5/8 (15.9)	7/16 (11.1)
□□63 -N4	1/4 Male NPT			
□□63 -N6	3/8 Male NPT	1.69 (42.9)	7/8 (22.2)	
□□63 -N8	1/2 Male NPT			
□□63 -RT4	1/4 Male BSPT	1.56 (39.6)	5/8 (15.9)	
□□63 -RT6	3/8 Male BSPT	1.69 (42.9)	7/8 (22.2)	
□□63 -RT8	1/2 Male BSPT			
□□63 -MS14	M14 x 1.5 Male ISO	1.56 (39.6)		
□□63 -MS20	M20 x 1.5 Male ISO	1.69 (42.9)		
□□63 -N2-L	1/8 Male NPT	1.57 (40.0)	5/8 (15.9)	
□□63 -N4-L	1/4 Male NPT			
□□63 -N6-L	3/8 Male NPT	1.74 (44.2)	7/8 (22.2)	
□□63 -N8-L	1/2 Male NPT			
□□63 -RT4-L	1/4 Male BSPT	1.57 (40.0)	5/8 (15.9)	
□□63 -RT6-L	3/8 Male BSPT	1.74 (44.2)	7/8 (22.2)	
□□63 -RT8-L	1/2 Male BSPT			

Caution

These bleed valves don't have a cap thread seal, so open the valve slowly and direct the vent hole away from the operator. These valves contain no packing, so some fluid weepage will occur when the valves are opened.

63 Series How to Order

A	B	C	D	E	F	G	H
Body Material	Valve Series	Inlet Type	Inlet Size	Outlet Type	Outlet Size	Body Style	NACE MR0175
SS	63	FN	8	MX	10	L	SG

A — Body Material

SS:	316 SS
6L:	316L SS
S4:	304 SS
D5:	Duplex 2205
D7:	Duplex 2507
M:	Alloy 400
INC:	Alloy 600
HC:	Alloy C-276

B — Valve Series

63:	63 Series Bleed Valves

CE — Inlet/Outlet Type

N	Male NPT
R	Male BSPT
MS	Male ISO (for MRG)
BP	Male BSPP (for RG)

DF — Inlet/Outlet Size

2	1/8"
4	1/4"
6	3/8" or 6 mm
8	1/2" or 8 mm
14	14 mm or M14 x 1.5
20	M20 x 1.5

G — Body Style

Standard Type

L	L Type Body with Side Bleed Tube

H — NACE MR0175

Standard with no NACE applicable

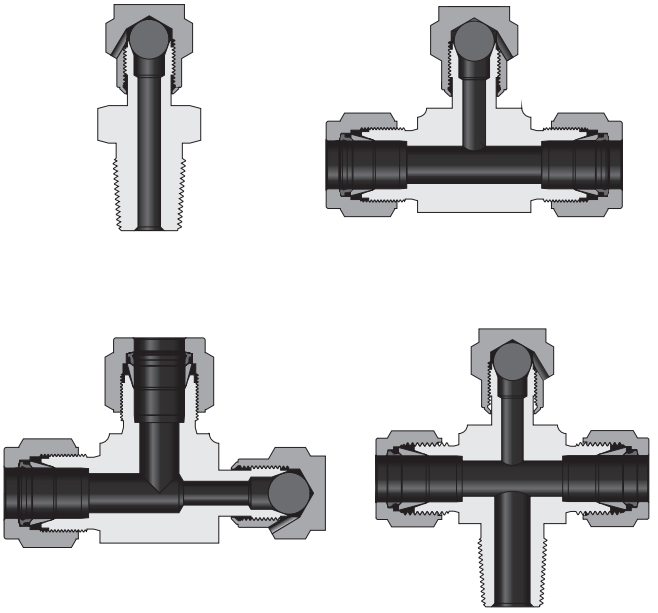
SG	With NACE MR0175

Purge Valves

62 Series

Introduction

Purge valves are manual bleed, vent or drain valves. The cap is used to release system pressure. One-quarter turn with a wrench from finger-tight obtains leaktight closure on first makeup. Snugging with a wrench ensures closure to the rated pressure with subsequent makeups.

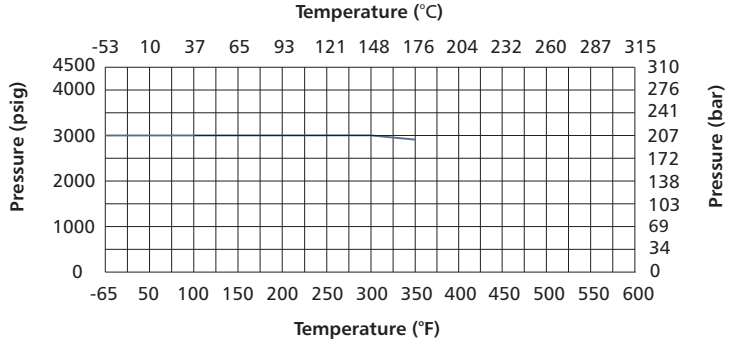


Features

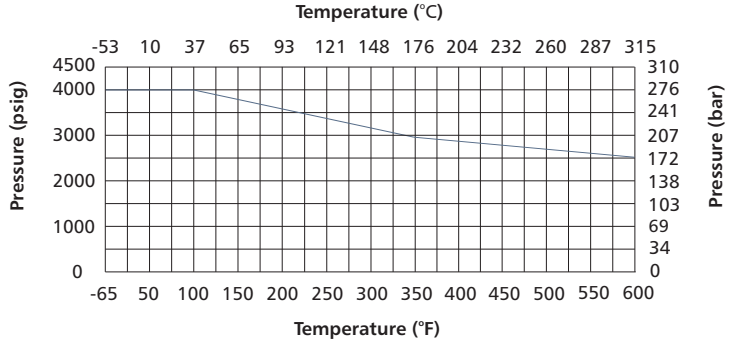
- Compact design for easy installation
- Bonnet crimped to valve body to prevent accidental disassembly
- Maximum working pressure: 4000 psig (276 bar)
- Working temperature: -65°F to 600°F (-53°C to 315°C)
- 316 stainless steel, brass and carbon steel materials available
- Leak-tight performance testing for every valve with nitrogen at the maximum working pressure
- Suitable for sour gas service; materials are selected inaccordance with NACE MR0175/ISO 15156.
- Every valve is 100% factory tested with nitrogen.

Pressure vs. Temperature

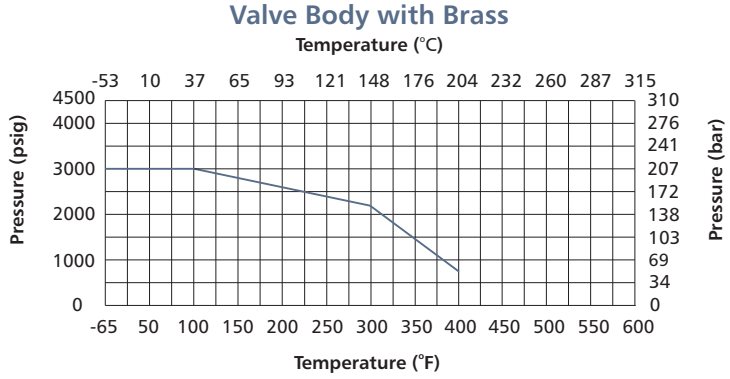
Valve Body with Carbon Steel



Valve Body with 316 SS



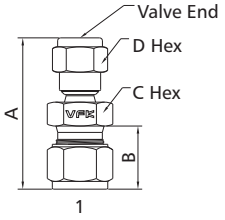
Valve Body with Brass



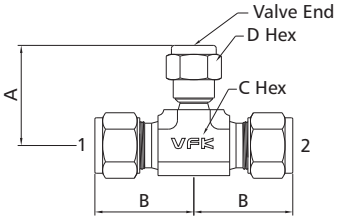
Standard Materials of Construction

Component	Valve Body Material Grade/ASTM Specification		
	316 SS	Brass	Steel
Body	316 SS/A182 316 SS/A479	Brass 360/B16 Brass 377/B283	12L4/A108 Chromium-plated
Cap	316 SS/A276	Brass 360/B16	12L4/A108 Chromium-plated
Poppet (Ball)	316 SS/A276	316 SS/A276	316 SS/A276

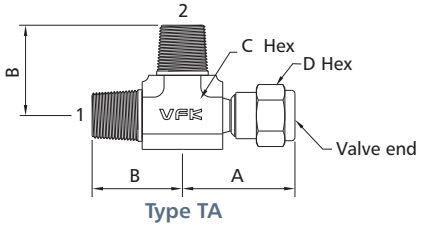
Models and Dimensions



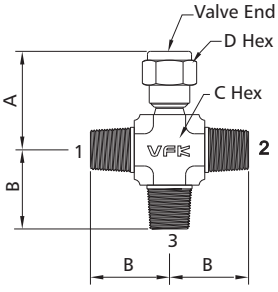
Standard Type L



Type TL



Type TA



Type C

Caution:

These purge valves don't have a cap thread seal, so open the valve slowly and direct the vent hole away from the operator. These valves contain no packing, so some fluid weepage will occur when the valves are opened.

Basic Ordering Number	Connection Type and Size		Dimension, in. (mm)			
			Amax	B	C	D
□□62- **(L Type)**	-FX2	1/8" VFK	1.84 (46.7)	0.59 (15.0)	5/8 (15.9)	1/2 (12.7)
	-FX4	1/4" VFK	1.94 (49.3)	0.69 (17.5)	5/8 (15.9)	1/2 (12.7)
	-FX6	3/8" VFK	2.03 (51.6)	0.75 (19.1)	3/4 (19.1)	5/8 (15.9)
	-FX8	1/2" VFK	2.19 (55.6)	0.88 (22.4)	7/8 (22.2)	3/4 (19.1)
	-MX6	6 mm VFK	1.94 (49.3)	0.69 (17.5)	5/8 (15.9)	1/2 (12.7)
	-MX8	8 mm VFK	2.00 (50.8)	0.72 (18.3)	5/8 (15.9)	1/2 (12.7)
	-MX10	10 mm VFK	1.05 (26.7)	0.75 (19.1)	3/4 (19.1)	5/8 (15.9)
	-MX12	12 mm VFK	1.05 (26.7)	0.88 (22.4)	7/8 (22.2)	3/4 (19.1)
	-FN2	1/8 Female NPT	1.56 (39.6)	0.53 (13.5)	5/8 (15.9)	1/2 (12.7)
	-FN4	1/4 Female NPT	1.75 (44.4)	0.72 (18.3)	5/8 (15.9)	5/8 (15.9)
	-FN6	3/8 Female NPT	1.81 (46.0)	0.78 (19.8)	7/8 (22.2)	3/4 (19.1)
	-FN8	1/2 Female NPT	1.98 (50.3)	0.97 (24.6)	1 1/16 (26.9)	7/8 (22.2)
	-N2	1/8 Male NPT	1.62 (41.1)	0.38 (9.7)	5/8 (15.9)	1/2 (12.7)
	-N4	1/4 Male NPT	1.81 (46.0)	0.56 (14.2)	5/8 (15.9)	5/8 (15.9)
	-N6	3/8 Male NPT	1.84 (46.7)	0.56 (14.2)	3/4 (19.1)	3/4 (19.1)
	-N8	1/2 Male NPT	2.09 (53.1)	0.75 (19.1)	7/8 (22.2)	7/8 (22.2)
□□62 -TL □□62 -TA □□62 -C	-FX2	1/8" VFK	0.90 (22.9)	0.88 (22.4)	5/8 (15.9)	1/2 (12.7)
	-FX4	1/4" VFK	1.08 (27.3)	1.06 (26.9)	5/8 (15.9)	1/2 (12.7)
	-FX6	3/8" VFK	1.22 (31.0)	1.20 (30.5)	3/4 (19.1)	5/8 (15.9)
	-FX8	1/2" VFK	1.44 (36.6)	1.42 (36.1)	7/8 (22.2)	3/4 (19.1)
	-MX6	6 mm VFK	1.08 (27.5)	1.06 (27.0)	5/8 (15.9)	1/2 (12.7)
	-MX8	8 mm VFK	14.97 (30.4)	14.95 (29.9)	5/8 (15.9)	1/2 (12.7)
	-MX10	10 mm VFK	1.34 (34.0)	1.32 (33.5)	3/4 (19.1)	5/8 (15.9)
	-MX12	12 mm VFK	1.43 (36.5)	1.41 (36.0)	7/8 (22.2)	3/4 (19.1)
	-FN2	1/8 Female NPT	0.68 (17.3)	0.66 (16.8)	5/8 (15.9)	1/2 (12.7)
	-FN4	1/4 Female NPT	0.90 (22.9)	0.88 (22.4)	5/8 (15.9)	5/8 (15.9)
	-FN6	3/8 Female NPT	1.03 (26.2)	1.01 (25.7)	7/8 (22.2)	3/4 (19.1)
	-FN8	1/2 Female NPT	1.25 (31.7)	1.23 (31.2)	1 1/16 (26.9)	7/8 (22.2)
	-N2	1/8 Male NPT	0.78 (19.8)	0.76 (19.3)	5/8 (15.9)	1/2 (12.7)
	-N4	1/4 Male NPT	1.11 (28.2)	1.09 (27.7)	5/8 (15.9)	5/8 (15.9)
	-N6	3/8 Male NPT	1.24 (31.5)	1.22 (31.0)	3/4 (19.1)	3/4 (19.1)
	-N8	1/2 Male NPT	1.52 (37.8)	1.47 (37.3)	7/8 (22.2)	7/8 (22.2)

62 Series How to Order

A	B	C	D	E	F	G	H
Body Material	Valve Series	Inlet Type	Inlet Size	Outlet Type	Outlet Size	Body Style	NACE MR0175
SS	62	FN	8	MX	10	TL	SG

A Body Material

SS:	316 SS
6L:	316L SS
S4:	304 SS
D5:	Duplex 2205
D7:	Duplex 2507
M:	Alloy 400
INC:	Alloy 600
HC:	Alloy C-276

B Valve Series

62:	62 Series Purge Valves

CE Inlet/Outlet Type

N	Male NPT
R	Male BSPT
MS	Male ISO (for MRG)
BP	Male BSPP (for RG)

DF Inlet/Outlet Size

2	1/8"
4	1/4"
6	3/8" or 6 mm
8	1/2" or 8 mm
14	14 mm or M14 x 1.5
20	M20 x 1.5

G Body Style

Standard with Straight L Type

TL	In-line Tee
TA	Angle Tee
C	Cross

H NACE MR0175

Standard with no NACE applicable

SG	With NACE MR0175

VFK

VFK FLUID CONTROL CO.,LTD

Add:No.18 Danyan Road,Fenghuang Industrial Park,Danyang,Jiangsu,P.R.China

Tel: 0086-511-86197685

Fax: 0086-511-86535052

Http://www.vfkgroup.com