

# Needle Valves - Wellhead Gauge and Bleed Valves

Pressures to 30,000 psi (2068 bar)

Wellhead Gauge Valve					
Series	Tube Outside Diameter Size Inches	Connection Type	Orifice Size Inches (mm)	Rated C <sub>v</sub>	Pressure Rating psi (bar) @ Room Temperature
20GV	3/8	F375C	0.125 (3.18)	0.23	20,000 (1379)
20GV	9/16	SF562CX	0.125 (3.18)	0.23	20,000 (1379)
30GV	9/16	F562C	0.125 (3.18)	0.33	30,000 (2068)

Bleed Valve					
Series	Tube Outside Diameter Size Inches	Connection Type	Orifice Size Inches (mm)	Rated C <sub>v</sub>	Pressure Rating psi (bar) @ Room Temperature
20BV	3/8	SM375CX	0.093 (2.36)	-	20,000 (1379)
20BV	9/16	SM562CX	0.093 (2.36)	-	20,000 (1379)
30BV	9/16	M562C	0.093 (2.36)	-	30,000 (2068)*

*Notes:*  
 \* Rating shown is in closed position.  
 Rating @ 15,000 psi (1034 bar) in open position.      Glands and collars included



Autoclave's Wellhead Gauge valves are designed for reliable shut-off service at a maximum working pressure of 30,000 psi (2068 bar). The Wellhead Gauge and Bleed Valves are standard in 316 stainless steel material. Special materials available on request.

### Applications:

#### Wellhead Gauge Valve

- Sample Lines
- Instrument calibration

#### Bleed Valve

- Pressure bleed

### Gauge Valve Features:

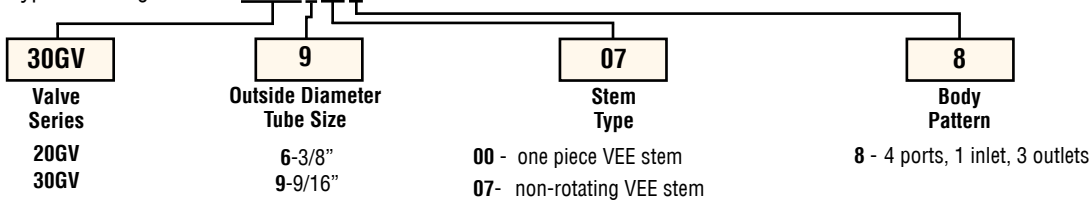
- One inlet, three outlet ports
- Metal-to-metal bubble tight shut-off
- Packing below stem threads
- Two piece non-rotating stem on standard valves

### Bleed Valve Features:

- One piece hex construction allows easy installation
- Vent port tapped for plumbing to safe area
- Tee handle for easy operation
- Positive blow out prevention on stem
- 1/8" NPT outlet connection

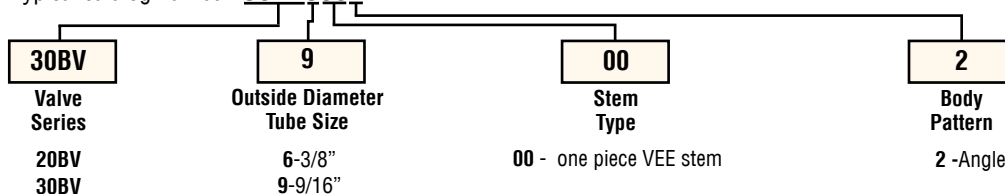
## Ordering Procedure

Typical catalog number: **30GV9078**



### Bleed Valve

Typical catalog number: **30BV9002**



## Wellhead Gauge Valve

Catalog Number	Connection Type	Connection Size	Pressure Rating psi (bar)	Dimensions - inches (mm)									Valve Pattern
				A	B	C	D	E	F	G	H	J	
20GV6078	SF375CX	3/8	20,000	2.00	3.12	2.00	4.52	1.13	1.00	0.50	0.94	3.00	See Figure 1
			(1379)	(50.80)	(79.25)	(50.80)	(114.80)	(28.58)	(25.40)	(12.70)	(23.83)	(76.20)	
20GV9078	SF562CX	9/16	20,000	2.00	3.88	2.75	4.54	1.31	1.38	0.66	0.94	3.00	
			(1379)	(50.80)	(98.55)	(69.85)	(115.31)	(33.27)	(34.93)	(16.76)	(23.83)	(76.20)	
30GV9078	F562C	9/16	30,000	2.00	3.88	2.75	4.50	1.31	1.38	0.66	0.94	3.00	
			(2068)	(50.80)	(98.55)	(69.85)	(114.30)	(33.27)	(34.93)	(16.76)	(23.83)	(76.20)	

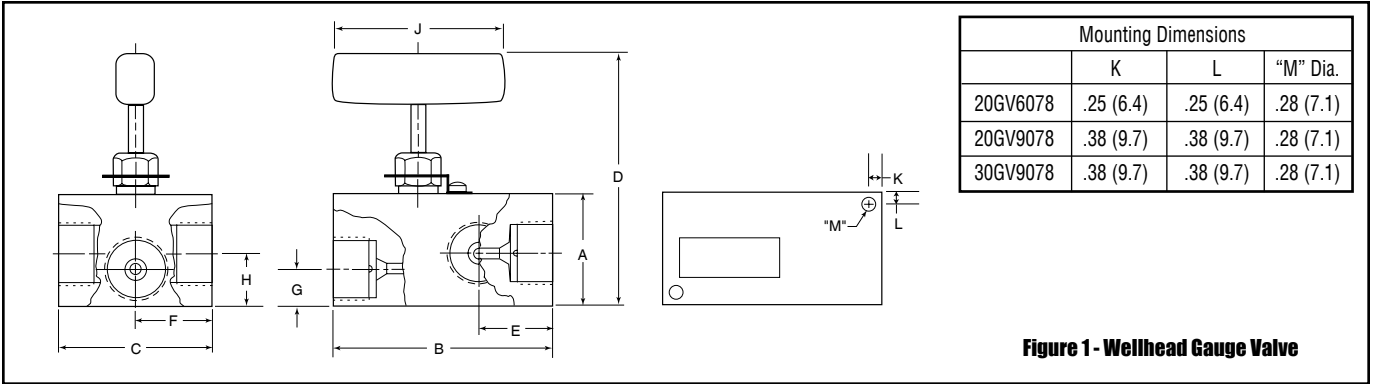


Figure 1 - Wellhead Gauge Valve

## Bleed Valve

Catalog Number	Connection Type	Connection Size	Pressure Rating psi (bar)	Dimensions - inches (mm)									Valve Pattern
				A	B	C	D	E	F	G	H	J	
20BV6002	SM375CX	3/8	20,000	3.23	2.42	1.12	1.38	1.50					See Figure 2
			(1379)	(82.04)	(61.47)	(28.45)	(35.05)	(38.10)					
20BV9002	SM562CX	9/16	20,000	3.68	2.86	1.12	1.38	1.50					
			(1379)	(93.47)	(76.64)	(28.45)	(35.05)	(38.10)					
30BV9002	M562C	9/16	30,000	3.44	2.61	1.12	1.38	1.50					
			(2068)	(87.38)	(66.29)	(28.45)	(35.05)	(38.10)					

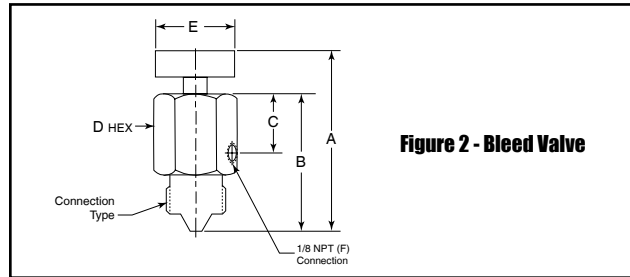


Figure 2 - Bleed Valve

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### ! WARNING !

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EUROPE

**Autoclave Engineers**

美国Autoclave Engineers授权代理商:

Industrial Estate  
Whitemill-Wexford  
Republic of Ireland  
PH: 353 53 914 1566 FAX: 353 53 914 1582

信德迈科技(北京)有限公司 CNMEC Technology Company  
地址: 北京朝阳区望京街10号望京SOHO-T1-C座2115室  
邮编: 100102 QQ: 1152366120  
电话: 010-8428 2935 手机: 139 1096 2635  
传真: 010-8428 8762  
Http: //www.cnmec.biz  
E-mail: sales@cnmec.biz

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