

# 'Apollo' Valves

## SUBMITTAL SHEET

### 60B Series

60B-100 Steel & 60B-700 Stainless Steel  
Barstock Globe Valve



<b>Job Name:</b>	
<b>Job Location:</b>	
<b>Engineer:</b>	
<b>Contractor:</b>	
<b>Tag:</b>	
<b>PO Number:</b>	
<b>Representative:</b>	
<b>Wholesale Distributor:</b>	

Valve built to U.S. customary units.  
Reference metric units also shown.



### DESCRIPTION

The Apollo® 60B Series Steel & Stainless Steel Barstock Globe Valves are ideally suited for use in instrumentation, sampling lines and flow control applications.

### FEATURES

- Backseat stem design reduces pressure exerted on the packing, prolonging packing life. Design also prevents stem from being accidentally turned out of the valve.
- Integral metal-to-metal seat design.
- Externally adjustable PTFE packing is standard, graphoil available as an option.
- Malleable iron handle for long lasting, reliable service.
- All valves 100% pressure tested
- Fully threaded bonnet to accommodate optional panel mounting nut.
- Locking bonnet option available.
- All pressure retaining parts constructed of ASTM materials.
- Meets the requirements of NACE MR-01-75.

### PERFORMANCE RATING

- Max Operating Pressure:  
10,000 psig @ 100°F  
689 bar @ 38°C
- Temperature Range:  
-50°F to 1000°F  
(-46°C to 538°C)

### OPTIONS & SIZES

- -01 Standard Configuration
- -07 Tee Handle (SS)
- -09 Lock Bonnet
- -24 Graphoil Packing
- -57 Oxygen Cleaned
- -88 Panel Mount
- 07 Tee Handle (SS) not available on 3/4" (DN 20) and 1" (DN 25) sizes
- Female x Female NPT end connections are standard.
- Socket weld end connections also available.

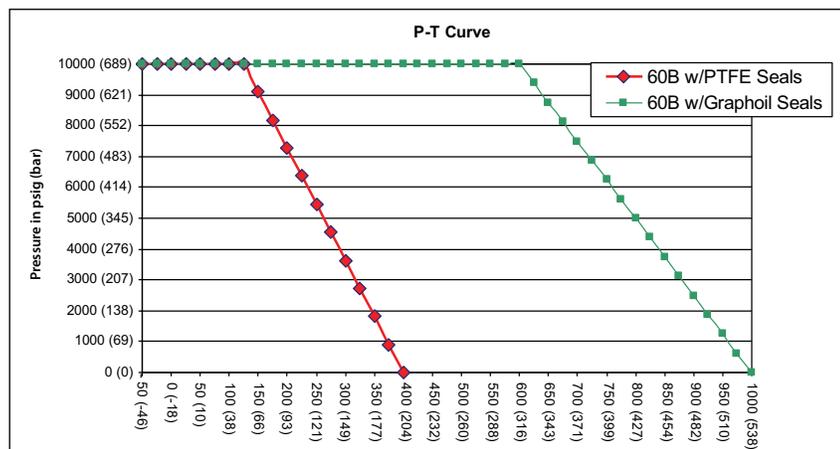
### STANDARD MATERIALS LIST

Part Name	Material 60B-100	Material 60B-700
Body	ASTM A108 Carbon Steel	ASTM A276 316 Stainless Steel
Hub	ASTM A108 Carbon Steel	ASTM A276 316 Stainless Steel
Stem	ASTM A276 Stainless Steel	
Stem Packing	PTFE	
Gland	ASTM B484	ASTM B525
Gland Nut	ASTM A108 Carbon Steel	ASTM A276 316 Stainless Steel
Handle <sup>1</sup>	ASTM A47 Malleable Iron, Zinc Phosphate Finish	
Handle Nut	Carbon Steel, Zinc Plated	

#### NOTE 1:

- 1/2" (DN 15) and smaller come standard with Cross Handle
- 3/4" (DN 20) and 1" (DN 25) sizes come standard with Tee Handle

### PRESSURE TEMPERATURE CURVE



Apollo Valves, Manufactured by **Conbraco Industries, Inc.**  
701 Matthews Mint-Hill Road, Matthews, NC 28105 USA  
[www.apollovalves.com](http://www.apollovalves.com) | (704) 841-6000

This specification is provided for reference only. Conbraco Industries Inc. reserves the right to change any portion of this specification without notice and without incurring obligation to make such changes to Conbraco products previously or subsequently sold. Please visit our website @ [www.apollovalves.com](http://www.apollovalves.com) for the most current information.



# "Apollo" Valves

## SUBMITTAL SHEET

### 60B Series

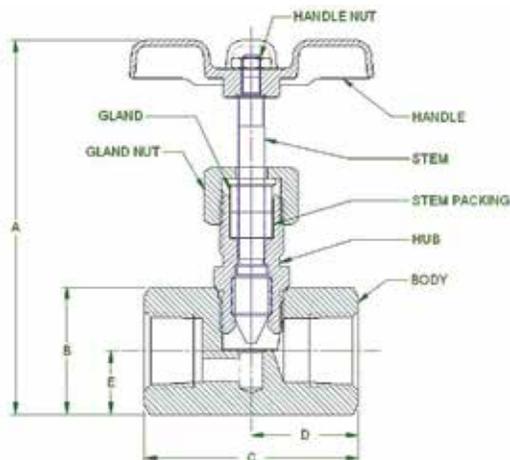
60B-100 Steel & 60B-700 Stainless Steel  
Barstock Globe Valve

#### PRODUCT NUMBERING GUIDE

60	X	- X	X	X	- XX
SERIES	PRESSURE RATING	STYLE & MATERIAL	END CONNECTIONS	SIZE	OPTIONS
Conbraco Barstock Globe Valves	B = 10,000 PSI (689 bar)	1 = Carbon Steel Globe 2 = Carbon Steel Angled Globe 7 = 316 Stainless Steel Globe 8 = 316 Stainless Steel Angled Globe	0 = FNPT x FNPT 2 = Socket Weld (Not Available on Angle Valves)	1 = 1/4" (DN 8) 2 = 3/8" (DN 10) 3 = 1/2" (DN 15) 4 = 3/4" (DN 20) 5 = 1" (DN 25)	01 = Standard Configuration 07 = Tee Handle (SS) 09 = Lock Bonnet 24 = Grafoil Packing 57 = Oxygen Cleaned 88 = Panel Mount

#### DIMENSIONS

See Table 1



See Table 2

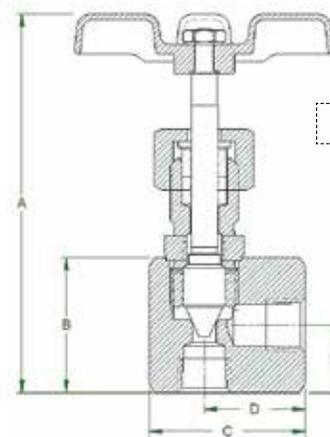


TABLE 1	A				B		C		D		E		Cv	Kv	Weight	
	Min.		Max.		In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)			lb.	(kg)
1/4" (DN 8)	3.8	(96.5)	4.1	(104.1)	1.38	(35.1)	2.25	(57.2)	1.13	(28.7)	0.69	(17.5)	0.6	(0.5)	1.23	(0.6)
3/8" (DN 10)	3.8	(96.5)	4.1	(104.1)	1.38	(35.1)	2.25	(57.2)	1.13	(28.7)	0.69	(17.5)	0.9	(0.8)	1.19	(0.5)
1/2" (DN 15)	3.8	(96.5)	4.1	(104.1)	1.38	(35.1)	2.75	(69.9)	1.38	(35.1)	0.69	(17.5)	0.8	(0.7)	1.64	(0.7)
3/4" (DN 20)	4.9	(124.5)	5.4	(137.2)	2.00	(50.8)	3.19	(81.0)	1.60	(40.6)	1.00	(25.4)	2.7	(2.3)	3.34	(1.5)
1" (DN 25)	4.9	(124.5)	5.4	(137.2)	2.00	(50.8)	3.62	(92.0)	1.81	(46.0)	1.00	(25.4)	2.6	(2.2)	4.24	(1.9)

TABLE 2	A				B		C		D		E		Cv	Kv	Weight	
	Min.		Max.		In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)			lb.	(kg)
1/4" (DN 8)	3.8	(96.5)	4.1	(104.1)	1.38	(35.1)	1.59	(40.4)	1.03	(26.2)	0.69	(17.5)	0.6	(0.5)	0.94	(0.9)
3/8" (DN 10)	3.8	(96.5)	4.1	(104.1)	1.38	(35.1)	1.59	(40.4)	1.06	(26.9)	0.69	(17.5)	0.9	(0.8)	0.90	(0.9)
1/2" (DN 15)	3.8	(96.5)	4.1	(104.1)	1.38	(35.1)	2.00	(50.8)	1.37	(34.8)	0.69	(17.5)	0.8	(0.7)	1.34	(0.6)
3/4" (DN 20)	4.9	(124.5)	5.4	(137.2)	2.00	(50.8)	2.50	(63.5)	1.62	(41.2)	1.00	(25.4)	2.7	(2.3)	2.79	(1.3)
1" (DN 25)	4.9	(124.5)	5.4	(137.2)	2.00	(50.8)	2.93	(74.4)	1.93	(49.0)	1.00	(25.4)	2.6	(2.2)	3.72	(1.7)

Apollo Valves, Manufactured by **Conbraco Industries, Inc.**  
701 Matthews Mint-Hill Road, Matthews, NC 28105 USA  
[www.apollovalves.com](http://www.apollovalves.com) | (704) 841-6000

This specification is provided for reference only. Conbraco Industries Inc. reserves the right to change any portion of this specification without notice and without incurring obligation to make such changes to Conbraco products previously or subsequently sold. Please visit our website @ [www.apollovalves.com](http://www.apollovalves.com) for the most current information.

