Valves, Fittings and Tubing

» Catalog Part Number Generator

Pressure	Component Type	Orifice Diameter (only required on ball valves)	Connection "A" Size	Connection "A" Type
15 = 15,200 psi (1,050 bar)	**A =** Adapter (male / female)	**3** = 3/16" diameter	**2** = 1/8"	**B** = BSP Pipe
21 = 22,500 psi (1,550 bar)	**AF** = Angle Filter	**4** = 1/4" diameter	**4** = 1/4"	**P** = NPT Pipe
22 = 22,500 psi (1,550 bar)	**AVA** = Anti-Vibration Collet Gland Assembly	**6** = 3/8" diameter	**5** = 5/16"	**M** = Medium Pressure
30 = 30,000 psi (2,070 bar)	**B2** = 2-Way Ball Valve	**8** = 1/2" diameter	**6** = 3/8"	**H** = High Pressure
36 = 36,000 psi (2,500 bar)	**B3D** = 3-Way Diverter Ball Valve (90°)		**8** = 1/2"	**U** = Ultra High Pressure
43 = 43,000 psi (2,965 bar)	**BC** = Ball Check Valve		**9** = 9/16"	**GB** = Gauge BSP
65 = 65,000 psi (4,500 bar)	**BF** = Bulkhead Coupling		**12** = 3/4"	
101 = 101,000 psi (7,000 bar)	**B3S** = 3-Way Switching Ball Valve (180°)		**16** = 1"	
152 = 152,000 psi (10,500 bar)	**C** = Collar		**24** = $1^1/_2$"	
	CF = Cup Type Filter			
	CT = Coning Tool			
	DBBNV = Double Block and Bleed Needle Valve			
	DF = Dual Disc Line Filter			
	DT = Deburring Tool			
	F = Coupling (female / female)			
	G = Gland			
	L = Elbow			
	M = Adapter (male / male)			
	N = Nipple			
	OC = O-Ring Check Valve			
	P = Plug			
	PG = Pressure Gauge			
	RD = Rupture Disc			
	RT = Reseating Tool			
	SH = Safety Head Assembly			
	T = Tee			
	TC = Tubing Cap			
	TU = Tubing			
	TT = Threading Tool			
	UF = Union Coupling			
	V = Valve			
	X = Cross			

This Catalog Part Number Generator is to be used as a reference guide only. Use the respective catalog pages for clarification. The following examples intend to explain the use of this part number generator.

Needle Valves:

1. Standard Needle Valve for 22.500 psi with 1/4" medium pressure connection and non rotating vee stem design as two-way straight version:

   21 V 4M 07 1

2. Special Needle Valve for 30.000 psi with 1/4" high pressure connection and one piece rotating stem design as two-way straight version for Sour Gas applications:

   30 V 4H 01 1 -SOG

3. High pressure Needle Valve for 65.000 psi with 9/16" high pressure connection and non rotating vee stem design as three-way two on pressure version for high temperature applications:

   65 V 9H 07 3 -HT

4. Standard medium pressure Needle Valve for 22.500 psi with 9/16" medium pressure connection and non rotating vee stem design as two-way straight version with medium duty air actuator normally open (max. working pressure 10.000 psi - please refer to chapter 5 Valve Actuators for further information):

   21 V 9M 07 1 -YMNO

Ball Valves:

1. Medium pressure 2-way Ball Valve with 1/4" orifice diameter for 21.000 psi with 3/8" medium pressure connection:

   21 B2 4 6M

2. Medium pressure 3-way Switching Ball Valve with 3/8" orifice diameter for 15.200 psi with 1/2" BSP connection:

   15 B3S 6 8B

Stem Type (only required on needle valves)	Body Pattern (only required on needle valves)	Connection "B" Size Type	Options
00 = Vee Stem one piece rotating	**1** = Two-way straight	If different from Connection "A"	**AVA** = Anti-Vibration Collet Gland Assembly
01 = Regulating Stem one piece rotating	**2** = Two-way angle		**B** = Cryogenic Packing (-100°F)
07 = Vee Stem non rotating	**3** = Three-way, two on pressure		**DA** = Ball Valve Actuator (Pneumatic Double Acting)
08 = Regulating Stem non rotating	**4** = Three-way, one on pressure		**EAL** = Electric Ball Valve Actuator (12 Volts AC or DC)
80 = Vee Stem one piece rotating / replaceable seat	**5** = Three-way, two stem manifold		**EAH** = Electric Ball Valve Actuator (24-240 Volts AC or DC)
81 = Regulating Stem one piece rotating / replaceable seat			**GY** = Graphite Braided Yarn Packing (800°F)
87 = Vee Stem with replaceable seat non rotating			**HT** = High Temperature Option (1200°F)
88 = Regulating Stem w / replaceable seat non rotating			**LT** = Low Temperature Option (-423°F)
			02* = Oxygen Service
			PM = Panel Mount Option for Needle Valves
			SA = Ball Valve Actuator (Pneumatic Single Acting)
			SOG = Sour Gas Service
			SSPG = Stainless Steel Packing Gland
			TG = Teflon Glass Packing (600°F)
			WO = Without Collars & Glands
			WOC = Without Coating
			YHNC = Heavy Duty Air Actuators, Normally Closed
			YHNO = Heavy Duty Air Actuators, Normally Open
			YMNC = Medium Duty Air Actuators, Normally Closed
			YMNO = Medium Duty Air Actuators, Normally Open
			2P = Two Piece Component

3. Medium pressure 3-way Diverter Ball Valve with 1/2" orifice diameter for 10.000 psi with 3/4" medium pressure connection and Electric Ball Valve Actuator (24-240 Volts AC):

   10 B3D 8 12M -EAH

Adapter:

1. High pressure male to female adapter for 65.000 psi with Connection A: 9/16" high pressure male connection to Connection B: 1/4" high pressure female connection:

   65 A 9H 4H

2. High pressure male to male adapter for 30.000 psi with Connection A: 1/4" high pressure male connection to Connection B: 3/8" high pressure male connection for Sour Gas applications:

   30 M 4H 6H -SOG

   *Please consult factory

3. Medium pressure Coupling for 15.200 psi with Connection A: 3/8" medium pressure female connection to Connection B: 1/2" BSP female connection:

   15 F 6M 8B

Fittings:

1. Medium pressure Cross-Piece for 22.500 psi with 1/4" medium pressure connection including Collar and Gland:

   21 X 4M

2. High pressure T-Piece for 65.000 psi with 9/16" high pressure connection including Anti-Vibration Collet Gland Assembly:

   65 T 9H -AVA