



Mini
Ball Valve

Mini Ball Valve



Product Description

- Size Range: 1/4" – 3/4"
- Pressure Rating: 1000 PSIG (69 BARG)
- Temperature Range: -20°F to 450°F (-29°C to 232°C)

Features & Benefits

- 2-Piece Design
- Panel mount capability
- 100% Helium leak tested to 1×10^{-7} atm•cc/sec
- Cleaned for Oxygen Service (CFOS)
- High cycle life performance
- Full port I.D. for minimum flow turbulence
- Inspected to meet Valex quality standards, and comes with a Certificate of Compliance to Valex specification SP-9229
- Nitrogen-purged and double polyethylene bagged
- ISO Class 5 cleanroom assembled, tested & packaged
- Lock-out bracket option available

Flow Coefficient

Valve Size	Flow Orifice	Cv ¹
1/4"	0.180"	2.9
3/8"	0.305"	9.0
1/2"	0.402"	16.3
3/4"	0.620"	41.2

1. Flow coefficient data calculated using methods described in Crane Technical Paper TP-410.

Materials of Construction

Item	Qty	Part	Material
A	1	HANDLE	GLASS FILLED NYLON
B	1	BODY NUT	SS
C	1	STEM NUT	316 SS
D	2	STEM WASHER	SS
E	3	PACKING	PTFE
F	1	STEM	316 SS
G	1	BODY	ASTM A351-CF8M
H	2	SEAT	TFM™ 1600 PTFE*
I	1	BALL	CF8M / 316 SS
J	1	GASKET	PTFE
K	1	ENDCAP	316 SS

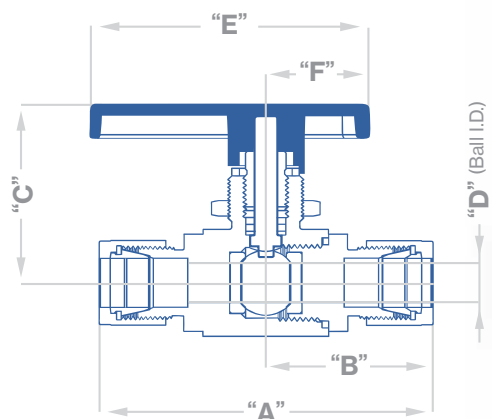
SS = Stainless Steel

* Dyneon and TFM are trademarks of Dyneon

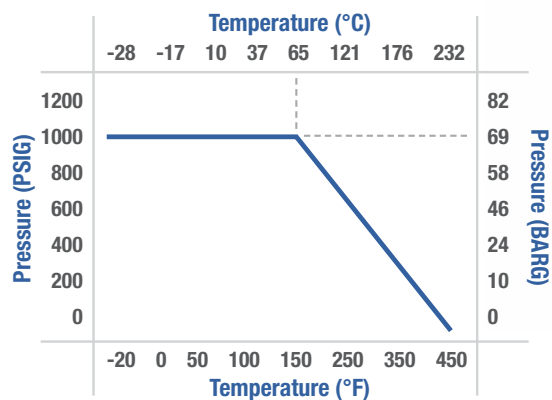
Dimensions Listed as Millimeters*

Size	"A"	"B"	"C"	"D"	"E"	"F"
1/4"	67.0	33.5	42.0	5.0	49.4	18.5
3/8"	77.2	38.6	45.0	7.8	59.5	24.5
1/2"	87.4	43.7	47.2	10.3	74.3	27.9
3/4"	98.0	49.0	48.2	12.0	74.3	27.9

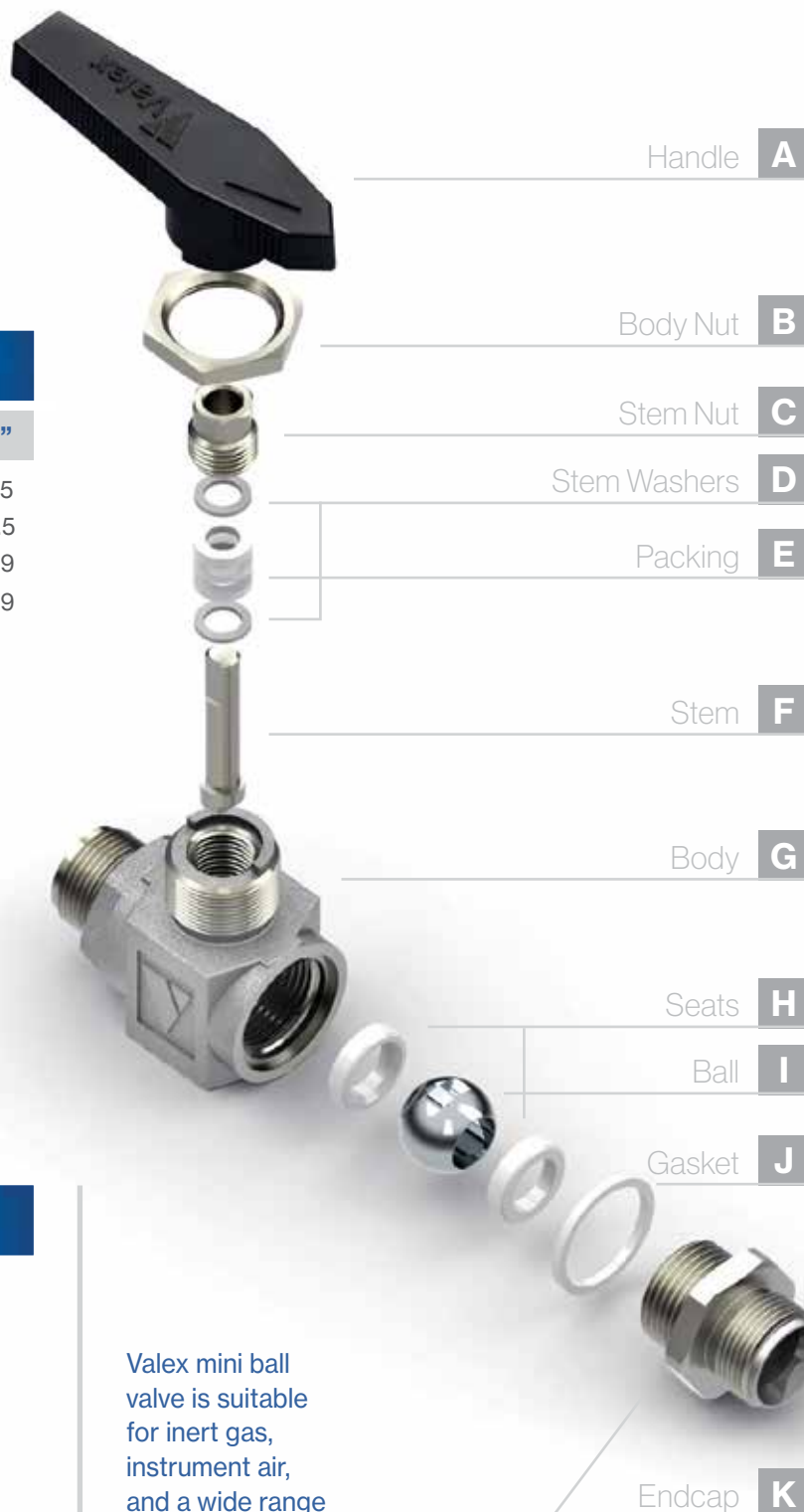
* Dimensions are applicable to compression fitting inlet and outlet (CC) configuration. Dimensions are approximate, may vary from valve to valve, and assumes compression nuts are finger tight.



Pressure Temperature Rating



Mini Ball Valve



Valex mini ball valve is suitable for inert gas, instrument air, and a wide range of industrial high purity applications.



Ordering Information

M – S T R 0 8 C C X X X X

M

Valve Series

M = Mini Ball Valve

S | T | R

Assembly Pattern

STR = Straight

0 | 8

Main Line Size

- 04 = 1/4"
- 06 = 3/8"
- 08 = 1/2"
- 12 = 3/4"

C | C

Main Line End Connection

- CC = Compression Fitting
Inlet & Outlet
- CP = Compression Fitting Inlet,
Compression Fitting Outlet
w/ Plug

X | X

Branch Valve Size

XX = No Branch Valve(s)

X | X

**Connection
On Branch Valve(s)**

XX = No Branch Valve(s)

 (Optional)

Valve Lockout Device

- Blank = No Lockout Device Installed
- L = Lockout Device Installed



Valex Corporate Offices & Manufacturing

**Valex USA
Corporate Headquarters**

6080 Leland Street
Ventura, CA 93003
United States of America
Phone: 805-658-0944

**Valex USA
Round Rock, TX**

120 E. Old Settlers Blvd.
Round Rock, TX 78664
United States of America
Phone: 512-212-8100

**Valex USA
Georgetown, TX**

1805 Titan Dr.
Georgetown, Texas 78628
United States of America
Phone: 737-340-4600

Valex Korea

32 Hansan-gil, Cheongbuk-eup
Pyeongtaek-si, Gyeonggi-do
Republic of Korea
Phone: 82-31-683-0119

Valex China

No. 358 Zhonggang Road
Xitangqiao Street
Haiyan Economic Development Zone
Zhejiang Province,
P.R. China 314305
Phone: 86-573-86868221

