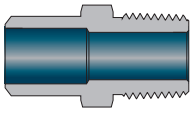
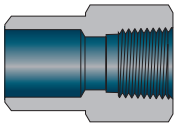
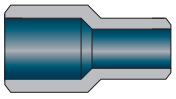
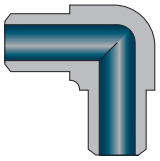
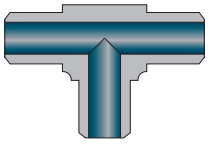
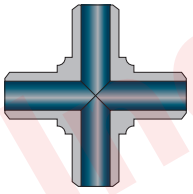
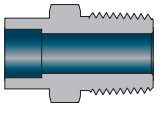
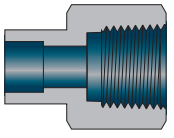
WELD FITTINGS

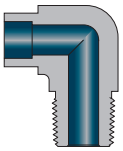
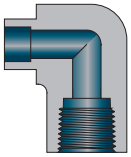
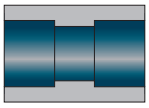
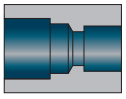
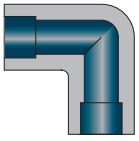
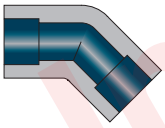
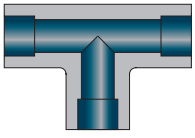
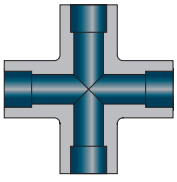
- Sizes range from 1/18" to 2" and 6mm to 38mm
- Maximum working temperature up to 1000°F(538°C)
- Variety of materials and configurations to choose

Tube butt weld fittings series

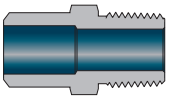
Configuration	Fitting Type	Example
	Male Connectors - M	SS-6TWB-M-8N
	Female Connectors - F	SS-14TMB-F-4N
	Reducing Unions - U	SS-16TWB-U-12TWB
	Union Elbows - L	SS-8TWB-L
	Union Tees - T	SS-10TWB-T
	Union Crosses - O	SS-8TMB-O

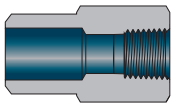
Tube socket weld fittings series

Configuration	Fitting Type	Example
	Male Connectors - M	SS-6TWS-M-6N
	Female Connectors - F	SS-8TWS-F-4N

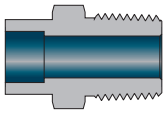
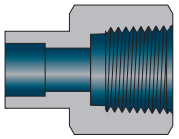
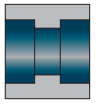
	Male Elbows - LM	SS-6TWS-LM-4N
	Female Elbows - LF	SS-6TWS-LF-4N
	Unions - U	SS-20TMS-U
	Reducing Unions - U	SS-28TWS-U-12TMS
	Union Elbows - L	SS-2TMS-L
	Union 45 Elbows - V	SS-25TMS-V
	Union Tees - T	SS-12TMS-T
	Union Crosses - O	SS-20TMS-O

Pipe butt weld fittings series

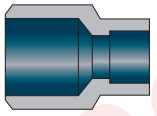
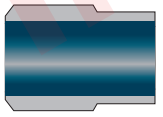
Configuration	Fitting Type	Example
	Male Connectors - M	SS-12PWB-M-8N

	Female Connectors - F	SS-6PWB-F-8N

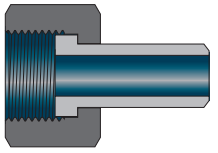
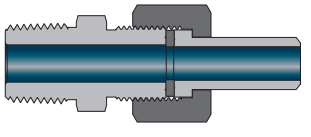
Pipe socket weld fittings series

Configuration	Fitting Type	Example
	Male Connectors - M	SS-4PWS-M-4N
	Female Connectors - F	SS-12PWS-F-16N
	Unions - U	SS-6PWS-U

Weld adapters

Configuration	Fitting Type	Example
	Tube Butt Weld to Tube Socket Weld - U	SS-12TWB-U-8TWS
	Pipe Butt Weld to Tube Socket Weld - U	SS-8PWB-U-8TWS

Pipe to weld fittings

Configuration	Fitting Type	Example
	Pipe to Tube Butt Weld - PU	SS-20MS-PU-14TMB
	Male Pipe to Tube Butt Weld - MU	SS-6N-MU-14TMB

Ordering Number Description

A	B	C	D	E	F	G	H
SS	- 12	TWB	- M	- 8	N	-S	-W

A	Material
HC=Alloy C-276	
SS=316 SS	
4S=304 SS	
21S=321 SS	
904L=904L SS	
6L=316L SS	

B	P1 Size	
Fractional in.	Metric mm	
1=1/16″	2=2	
2=1/8″	3=3	
3=3/16″	4=4	
4=1/4″	6=6	
5=5/16″	8=8	
6=3/8″	10=10	
8=1/2″	12=12	
10=5/8″	14=14	
12=3/4″	15=15	
14=7/8″	16=16	
16=1″	18=18	
18=1 1/8″	20=20	
20=1 1/4″	22=22	
24=1 1/2″	25=25	
32=2″	28=28	
	32=32	
	38=38	

C	P1 Type
TMB= Metric tube butt weld	
TMS=Metric tube socket weld	
TWB=Inch tube butt weld	
TWS=Inch tube socket weld	
PWB= Pipe butt weld	
PWS=Pipe socket weld	
RT=ISO tapered male threads	
RS=ISO parallel threads(suitable for RS gasket)	
BP=ISO parallel male threads (suitable for RG gasket)	
MS=Metric male threads (suitable for RG-M gasket)	

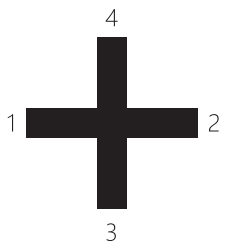
D	Fitting Type
M=Male Connector	
F=Female Connector	
U=Reducing Union	
L=Union Elbow	
T=Union Tee	
O=Union Cross	
LM=Male Elbow	
LF=Female Elbow	
V=45° Union Elbow	
PU=Pipe To Weld	
MU=Male Pipe To Weld	
U2=Pipe Welding Straight Joint	
L2=Pipe Welding Elbow	
T2=Pipe Welded Tee	

H	Cleaning and Packaging
Default = Standard cleaning and packaging for general industrial use	
W=Degreasing	
W2=Oxygen-rich cleaning	

E	P2 Size
Except the same as the P1 the other size follows:	
6=M6x1 or 3/8-24	
7=7/16-20	
8=M8x1 or 1/2-20	
9=9/16-18	
10=M10x1	
12=M12x1.5 or 3/4-16	
14=M14x15 or 7/8-14	
16=M16x1.5	
17=1 1/16-12	
18=M18x1.5	
20=M20x1.5	
22=M22x1.5	
24=M24x1.5	
26=1 5/8-12	
27=M27x2	
30=1 7/8-12 or M30x2	
32=2"	

F	P2 Type
Specify in the same way as the P1	

G	Special Application
Default = None	
S=NACE MR 0175	
LH=Sulfur passivation	

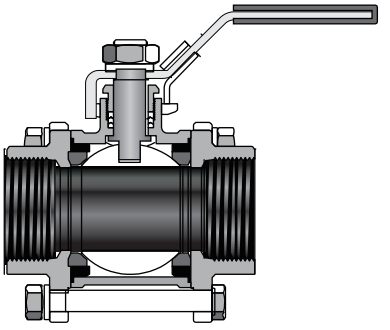


The order sequence for tee and cross should firstly follow the number of 1,2,3,4.

BALL VALVES

Three-piece ball Valves

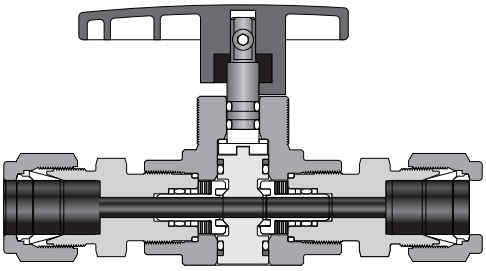
BE/BEH Series

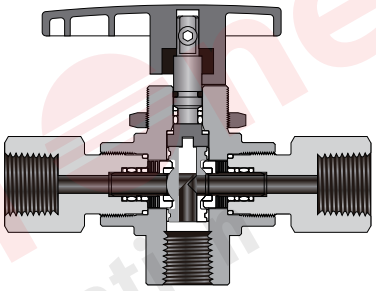


- Working pressure up to: BE:1000 psig (69.0 bar)
  BEH:2000 psig (138.0 bar)
- Working temperature:-20°F to 450°F (-28℃ to 232°C)
- End connections: 1/8" to 2" thread
  1/8" to 2" pipe butt or socket weld
  1/4" to 2" and 6 mm to 50 mm tube fitting
- Orifice sizes:8mm to 50mm
- Pneumatic and electric actuator available

Trunnion ball Valves
BQ/BQH Series

- Working pressure up to:BQ： 6000 psig (414 bar)
  BQH： 10000 psig (690 bar)
- Working temperature: Standard service:0°F to 450°F (-18°C to 232°C)
  Low temperature service: -40°F to 200°F (-40°C to 93°C)
- End connections: 1/8" to 1/2" thread
  1/4" to 1/2" Tube Fitting , 6mm to 12mm Tube Fitting
- Straight-through and tee optional
- Seat materials: PTFE,PCTFE and PEEK
- Variety of end connections
- Panel mountable

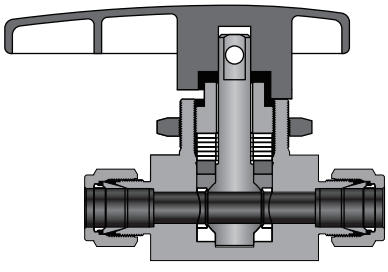


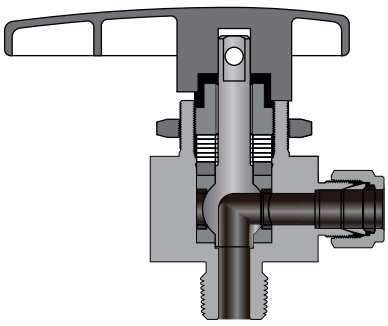


One-piece instrumentation ball Valves
BX Series

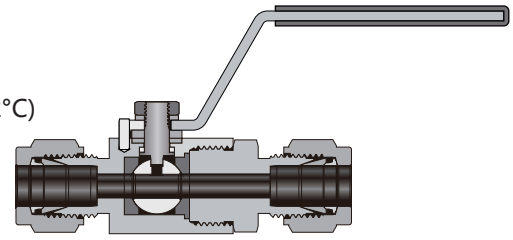
- Working pressure up to: BQ:3000 psig (207 bar)

- End connections: 1/8" to 3/4" thread
  1/8" to 1" Tube Fitting
  3mm to 25mm Tube Fitting
- Flow patterns: 2-way, 3-way, 4-way, 5-way, 6-way and 7-way





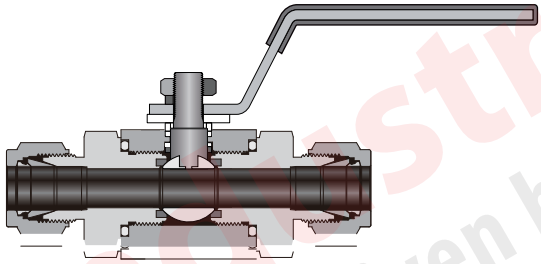
Hex bar stock ball Valves
BD Series

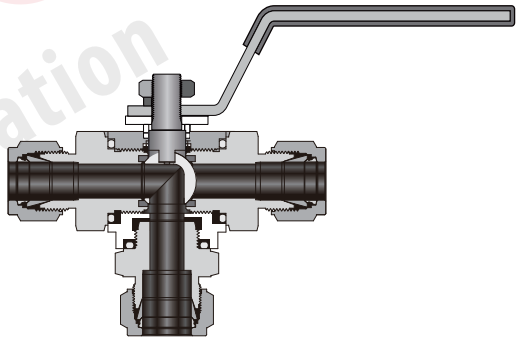


- Working pressure up to:BD:1000 psig (69.0 bar)
  BDA:2000 psig (138.0 bar)
- Working temperature:Standard service:-20°F to 450°F (-28℃ to 232°C)
  Low temperature service:-65°F to 400°F(-54℃ to 204°C)
- End connections: 1/8" to 1" thread
  1/8" to 1" Tube Fitting
  3mm to 25mm Tube Fitting
- Compact and economical design
- Seat wear compensation by free floating ball

Bar stock ball Valves
BY Series

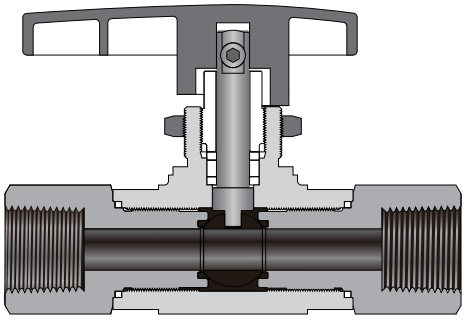
- Working pressure up to:10000 psig (690 bar)
- Working temperature:-40°F to 450°F (-40℃ to 232°C)
- End connections:1/4" to 1" thread
  1/4" to 1" Tube Fitting
  6mm to 25mm Tube Fitting
- Straight and three-way channel form are available.
- Variety of end connections
- Optional pneumatic and electric actuator
- Seat materials: PTFE, PCTFE and PEEK

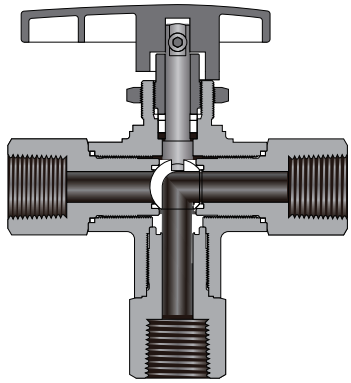




High performance ball Valves
BC Series

- Working pressure up to:6000 psig (414 bar)
- Working temperature:-65°F to 450°F (-54℃ to 232°C)
- End connections:1/8" to 1" thread
  1/4" to 1" Tube Fitting
  3mm to 22mm Tube Fitting
- precision cast body construction
- Straight through valve can flow in both directions
- straight through Angle and three-way channel form are a
- Optional pneumatic and electric actuato
- Seat materials: PTEF PCTFE and PEEK PFA





Ordering Number Description

A	B	C	D	E	F		G	H	I		J	k	L
SS	-	BC	P	10	-	F	12	-	N	8	-	41	-	A	-S-W

A	Body Material
SS=316 SS	
4S=304 SS	
21S=321 SS	
904L=904L SS	
6L=316L SS	
M=Alloy 400	
D5=Duplex 2205	
D7=Duplex 2507	

B	Series
BX Series	
BC Series	
BQ/BQH Series	
BE Series	
BY Series	
BDSeries	

C	Seat Material
Default = PTFE	
K=PFA	
K=PCTFE	
P=PEEK	

D	Orifice size
01=0.06"(1.6mm)	
02=0.09"(2.4mm)	
03=0.13"(3.2mm)	
04=0.17"(4.2mm)	
05=0.19"(4.8mm)	
06=0.25"(6.4mm)	
07=0.28"(7.1mm)	
10=0.35"(8.9mm) or 0.41"(10.3mm)	
11=0.42"(10.6mm)	
13=0.5"(12.7mm)	
15=0.59"(15.0mm)	
20=0.79"(20mm)	
22=0.88"(22.2mm)	
25=0.98"(25mm)	
29=1.13"(28.6mm)	
32=1.25"(31.8mm)	
38=1.50"(38.1mm)	

E	P1 Type
M=Metric Ferrule	
F=Fractional Ferrule	
FN=NPT female tapered threads	
N=NPT male tapered threads	
FRT=ISO tapered female threads	
RT=ISO tapered male threads	
FRP= Inch parallel female threads (suitable for RP gasket)	
BP=ISO parallel male threads(suitable for RG gasket)	
FMS=Metric female threads (suitable for RG gasket)	
MS=Metric male threads (suitable for RG-M gasket)	
TMS=Metric tube socket weld	
TWS=Inch tube socket weld	
TMB= Metric tube butt weld	
TWB=Inch tube butt weld	
PWS=Pipe socket weld	
PWB= Pipe butt weld	
UTB= nut +gasket+ metric tube union butt weld	
UPB= nut + gasket +Pipe Loose butt welding	

F	P1 Size	
Fractional in.	Metric mm	
2=1/8"	2=2	
3=3/16"	3=3	
4=1/4"	4=4	
5=5/16"	6=6	
6=3/8"	8=8	
8=1/2"	10=10	
10=5/8"	12=12	
12=3/4"	14=14	
14=7/8"	15=15	
16=1"	16=16	
18=1 1/8"	18=18	
20=1 1/4"	20=20	
24=1 1/2"	22=22	
32=2"	25=25	
	28=28	
	32=32	
	38=38	
	50=50	

G	H	P2 Size
No	Specify in the same way as the P1	
Except the same as the P1the other size follows:		
6=M6x1 or 3/8-24		
7=7/16-20		
8=M8x1 or 1/2-20		
9=9/16-18		
10=M10x1		
12=M12x1.5 or 3/4-16		
14=M14x15 or 7/8-14		
16=M16x1.5		
17=1 1/16-12		
18=M18x1.5		
20=M20x1.5		
22=M22x1.5		
24=M24x1.5		
26=1 5/8-12		
27=M27x2		
30=1 7/8-12 or M30x2		
32=2"		

I	Handle mode
Default = Black nylon handle	
C= Vinyl handle cover	
41=90° normally closed spring-return	
42=90° Normally open spring-return pneumatic actuator	
43=90° double acting pneumatic actuator	
47=90° electric actuator	

J	Circulation mode
Default = Pass through	
A= angle	
3= tee	
4= four passes	
5= five passes	
6= six passes	
7= seven passes	

K	Special Application
Default = None	
S=NACE MR 0175	
LH=Sulfur passivation	

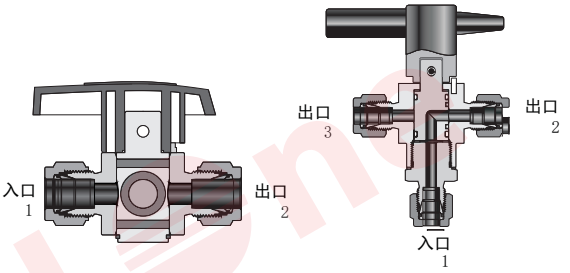
L	Cleaning and Packaging
Default = Standard cleaning and packaging for general industrial use	
W=Degreasing	
W2=Oxygen-rich cleaning	

available

PLUG VALVES

SV Series

- Body materials: 316 SS, 316L SS, 304 SS and brass, etc.
- O-ring materials: fluorocarbon FKM, NBR, EPDM, Neoprene and FFKM
- Working pressure up to: 3000 psig (207 bar)
- Working temperature: -10°Fto 400°F (-23°C to 204°C)
- Flow patterns: 2-way straight, 3-way
- Orifice sizes: 2.4 mm, 4.4 mm, 7.2 mm
- End connections:
  1/8" to 3/4", 3 mm to 12 mm tube fitting
  1/8" to 1/2" pipe thread



Ordering Number Description

A B C D E F

SS- SVB04 - FN4

A	Body Material
SS=316 SS	
4S=304 SS	
21S=321 SS	
B=Brass	
6L=316L SS	

B	Series
SV Series	

C	O-ring Material
Default=PTFE	
B=NBR	
E=EPDM	
Z=FFKM	

D	Orifice
02=0.09"(2.4mm)	
04=0.17"(4.2mm)	
07=0.28"(7.1mm)	

E	Inlet 1 Type
M=Metric Ferrule	
F=Fractional Ferrule	
FN=NPT female tapered threads	
N=NPT male tapered threads	
FRT=ISO tapered female threads	
RT=ISO tapered male threads	
FRP= Inch parallel female threads (suitable for RP gasket)	
BP=ISO parallel male threads(suitable for RG gasket)	
FMS=Metric female threads (suitable for RG gasket)	
MS=Metric male threads (suitable for RG-M gasket)	

F	Inlet 1 Size	
Fractional in.	Metric mm	
2=1/8"	3=3	
4=1/4"	6=6	
6=3/8"	8=8	
8=1/2"	10=10	
12=3/4"	12=12	

G H	Outlet 2/3 Type
NO	Same as Inlet 1

I	Handle
Default=Black/ Green Nylon	

J	Flow Pattern
Default=2-Way	
3=3-Way	

k	Special Application
Default=No	
S=NACE MR 0175	
LH=Sulfur passivation	

L	Cleaning andPackaging
Default = Standard cleaning and packagingfor general industrial use	
W=Degreasing	
W2=Oxygen-rich cleaning	