

UB Series Ball Valve

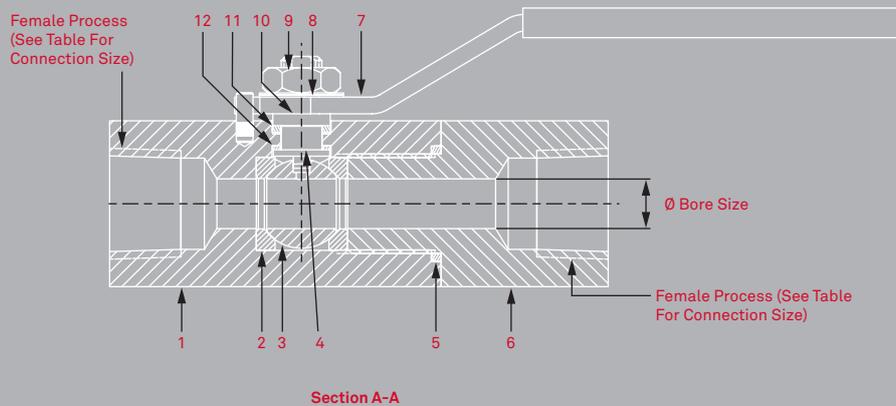
Overview

Ball Valves 10,000 PSI

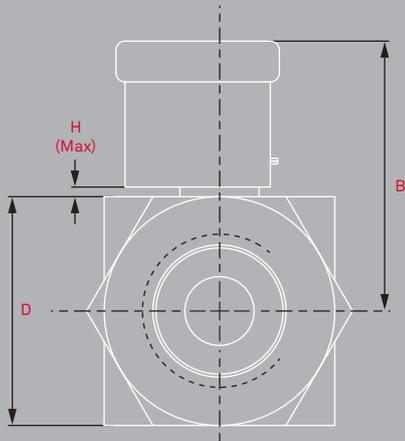
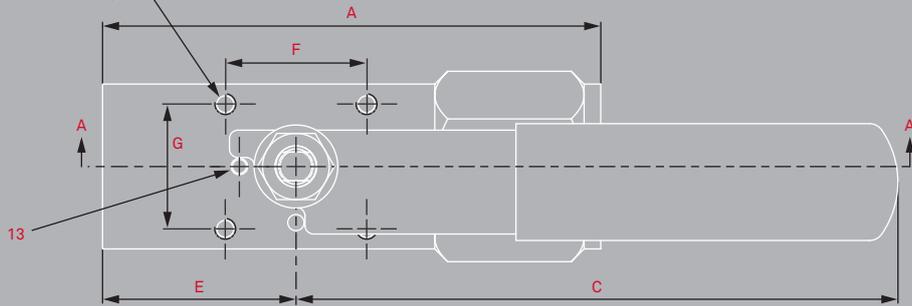
Alco are aware of the ever increasing operating pressures demanded by industry, and for this reason have developed the 'UB' range of valves to accommodate these stringent requirements. The UB series high pressure valve has a working pressure of 10,000psi with a body test at 15,000psi. The UB series is a tried and tested rugged design for high pressure applications. It comes with panel mounting holes and stainless steel handle as standard. Service / repair kits are available to prolong service / field life.

Design Features

- 2 piece design for safety
- Quick 90° operation, lever handle standard
- Bi-directional floating ball design to ensure leak-proof shut-off on pressure and vacuum
- Anti-blowout stem for safety
- Available with 4-panel mounting holes M4 x 6 deep
- Temperature range -40°C to 230°C
- Renewable seats and seals for long life
- Available in 316/316L
- Full material traceability
- Materials of construction supplied to meet the requirements of NACE MR 0175



4 Off Mounting Holes (See Table For Thread Size)



Flow Diagram



Components Key

Item No.	Description	Material	Quantity
1	VALVE BODY	A479 UNS S31600	1
2	SEAT	PEEK HPV	2
3	BALL	A479 UNS S31600	1
4	STEM	A479 UNS S31600	1
5	BODY SEAL	PTFE	1
6	END CONNECTOR	A479 UNS S31600	1
7	LEVER HANDLE	UNS S31600	1
8	BELLEVILLE WASHER	ST/ST	2
9	STEM NUT	A4 ST/ST	1
10	SPACER	UNS S31600	1
11	STEM SEAL	RTFE	1
12	ANTI-EXTRUSION SEAL	PEEK	1
13	STOP PIN	UNS S31600	1

Dimensions shown are in metric mm

Part no.	Size	A	B	Bore	C	D	E	F	G	Panel mount	H (Max)	CV	Weight
UB2NS	1/4" NPT	89	37	9.5	115	32	37	27	24	M4 x 6	1.3	13.9	0.68 Kg
UB3NS	3/8" NPT	92	37	9.5	115	32	37	27	24	M4 x 6	1.3	13.9	0.73 Kg
UB4NS	1/2" NPT	95	37	9.5	115	32	37	27	24	M4 x 6	1.3	13.9	0.71 Kg
UB6NS	3/4" NPT	110	46	12.7	150	38	46	31.5	31.5	M4 x 6	2.0	25.3	1.2 Kg

SN Series Ball Valve

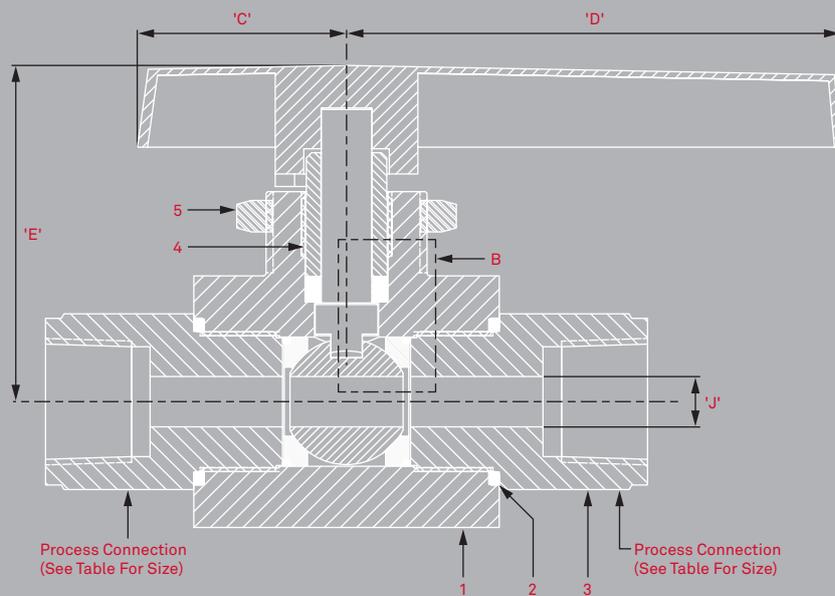
Overview

Ball Valves 6,000 PSI

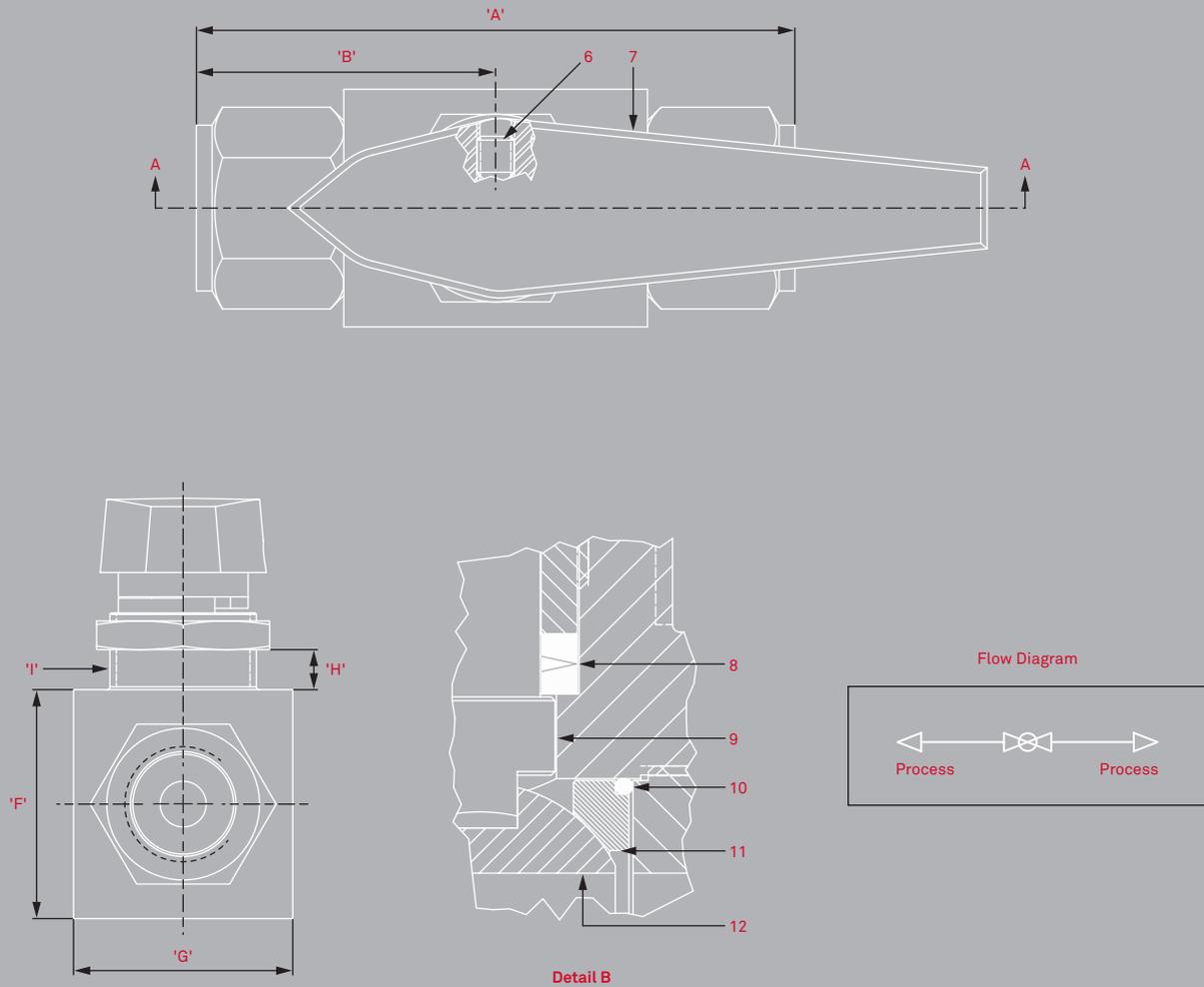
The single nut mounted ball valve is rated from vacuum up to 6,000psi. The single nut allows fast panel mounting. Max panel thickness is 11mm (dependant on valve size). A heavy duty yet compact design offering easy installation and maintainability.

Design Features

- Flexible 3 piece design for easy maintenance
- Bi-directional floating ball design to ensure leak-proof shut-off on pressure or vacuum
- 90 degree low torque operation
- Single nut mounting facility for ease of installation
- Repair/service kits available to extend service life further
- Temperature range -40°C to 150°C
- Mazak pointer handle as standard, to indicate direction of flow
- Available in 316/316L
- Full material traceability
- Materials of construction supplied to meet the requirements of NACE MR 0175



Section A-A



Item No.	Description	Material	Quantity
1	VALVE BODY	UNS S31600	1
2	BODY SEAL	PTFE	2
3	END CONNECTOR	UNS S31600	2
4	GLAND ADJUSTER	UNS S31600	1
5	PANEL NUT	UNS S31600	1
6	GRUB SCREW	A4 ST/ST	1
7	HANDLE	MAZAK 5	1
8	GLAND PACKING	PTFE	2
9	STEM	UNS S31600	1
10	O-RING	HNBR 90 (AED)	2
11	SEAT	PVDF	2
12	BALL	UNS S31600	1

Components Key

Dimensions shown are in metric mm		Part no.	Connection size	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H' (MAX)	'I'	J	CV	Weight (KG)
		SN2NS-PPH	1/4" N.PT	61.8	30.9	18.5	46.0	37.0	24.6	24.6	5.0	M20 x 1.5	5.4	4.3	0.27
		SN3NS-PPH	3/8" N.PT	69.1	34.5	18.5	46.0	43.0	28.5	28.5	6.0	M24 x 1.5	5.8	4.9	0.40
		SN4NS-PPH	1/2" N.PT	95.0	47.5	33.0	78.0	54.0	40.0	38.0	7.0	1" x 12 UNF	8.0	9.5	0.89
		SN6NS-PPH	3/4" N.PT	104.7	52.4	33.0	78.0	68.0	44.0	43.0	10.5	M30 x 1.5	10.0	15.4	1.38
		SN8NS-PPH	1" N.PT	124.9	62.5	33.0	78.0	73.0	54.0	54.0	11	M30 x 1.5	17.0	46.9	2.20

PB Series Ball Valve

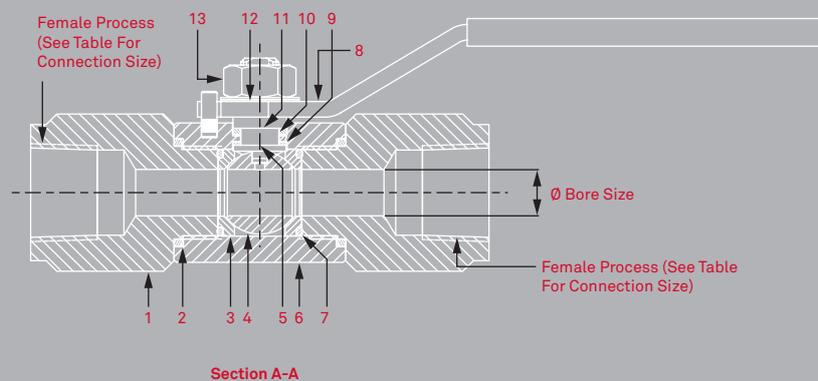
Overview

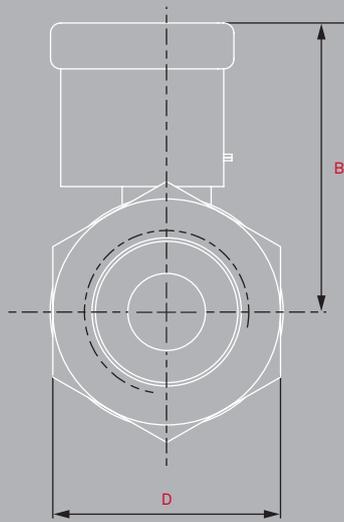
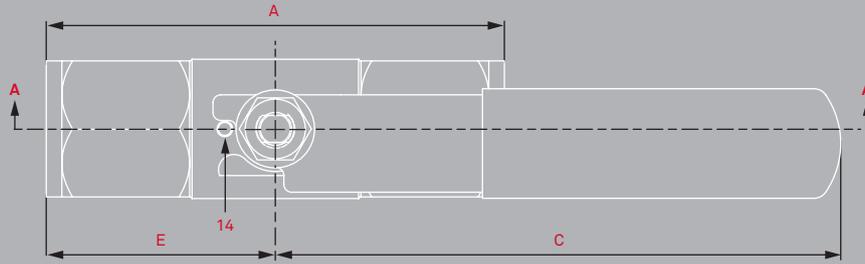
Ball Valves 6,000 PSI

The 'PB' series high pressure 3 piece ball valve Rated at 414 bar, the 'PB' series is a reliable, compact and flexible isolation ball valve.

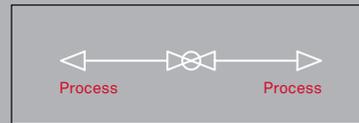
Design Features

- Bi-directional floating ball design to ensure leak-proof shut-off on pressure and vacuum
- Flexible 3 piece design for easy maintenance
- Repair/service kits available to extend service life further
- Available in 316/316L
- Anti-blowout internally loaded stem for safety
- Temperature range -40°C to 150°C
- Handle indicates OPEN/CLOSED position at a glance
- Full material traceability
- Materials of construction supplied to meet the requirements of NACE MR 0175





Flow Diagram



Components Key

Item No.	Description	Material	Quantity
1	END CONNECTOR	A479 UNS S31600	2
2	BODY SEAL	PTFE	2
3	SEAT	PVDF	2
4	BALL	A479 316 (9.5mm bore) / A351 CF8M	1
5	STEM	A479 UNS S31600	1
6	VALVE BODY	A479 UNS S31600	1
7	O-RING	HNBR 90	2
8	LEVER HANDLE	UNS S31600	1
9	STEM SEAL	RTFE	1
10	STEM SEAL	RTFE	1
11	SPACER	UNS S31600	1
12	BELLEVILLE WASHER	ST/ST	2
13	5/16" UNF HEX NUT	A4 ST/ST	1
14	STOP PIN	UNS S31600	1

Dimensions shown are in metric mm

Part no.	Size	A	B	Bore	C	D	E	CV	Weight
PB2NS-LM	1/4" NPT	68	36	9.5	115	26	34	13.9	0.39 Kg
PB3NS-LM	3/8" NPT	74	36	9.5	115	26	37	13.9	0.4 Kg
PB4NS-LM	1/2" NPT	93	36	9.5	115	28	47	13.9	0.48 Kg
PB6NS-LM	3/4" NPT	95	39	12.7	115	35	48	25.3	0.66 Kg
PB8NS-LM	1" NPT	115	50	19.1	150	42	58	61.2	1.3 Kg

UE Series Ball Valve

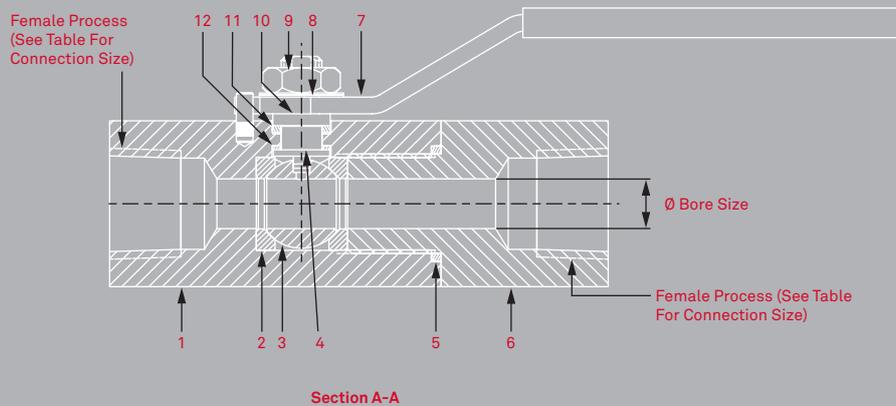
Overview

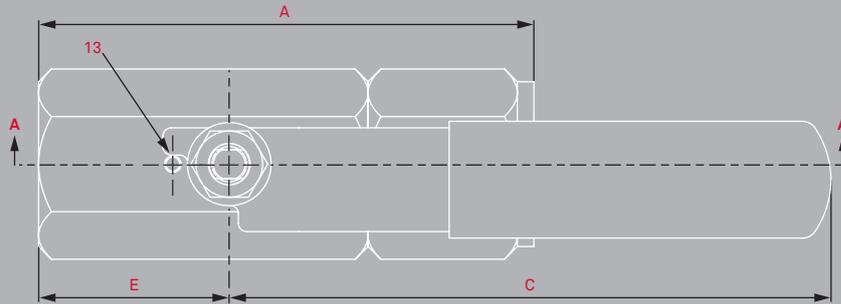
Ball Valves 10,000 PSI

The 'UE' series has been designed to be lighter and more compact than the 'UB' series range. The 'UE' series comes with a stainless steel lever handle. Fully floating ball for first time seal.

Design Features

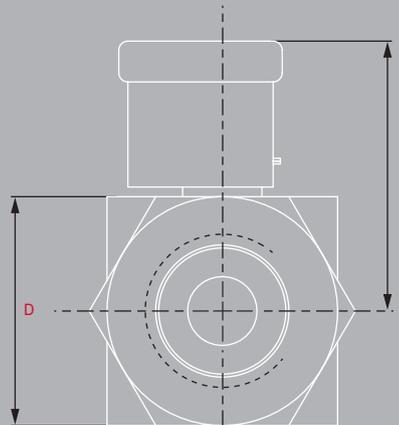
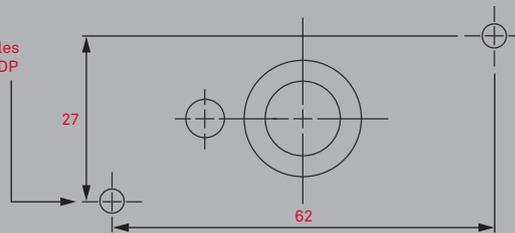
- Smooth low torque 90° operation
- Two piece design means less leak paths for extra safety
- Value for money economical design
- Compact overall length, reduced weight
- Anti-blowout internally loaded stem for extra safety
- Temperature range -40°C to 230°C
- Available in 316/316L
- Bi-directional floating ball design to ensure leak-proof shut-off on pressure or vacuum
- Repair/service kits available to extend service life further
- Stainless steel lever handle as standard
- Full material traceability
- Materials of construction supplied to meet the requirements of NACE MR 0175



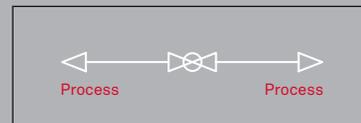


Top Mount Details 1" Only

Mounting Holes
M5X0.8 x 6.0DP



Flow Diagram



Components Key

Item No.	Description	Material	Quantity
1	VALVE BODY	A479 UNS S31600	1
2	SEAT	PEEK HPV	2
3	BALL	A479 UNS S31600	1
4	STEM	A479 UNS S31600 / 17-4PH (19mm BORE)	1
5	BODY SEAL	PTFE	1
6	END CONNECTOR	A479 UNS S31600	1
7	LEVER HANDLE	UNS S31600	1
8	BELLEVILLE WASHER	ST/ST	2
9	STEM NUT	A4 ST/ST	1
10	SPACER	UNS S31600	1
11	STEM SEAL	RTFE	1
12	STEM SEAL	PEEK	1
13	STOP PIN	UNS S31600	1

Dimensions shown are in metric mm

Part no.	Size	A	B	Bore	C	D	E	CV	Weight
UE2NS	1/4" NPT	89	37	9.5	115	32	36	13.9	0.62 Kg
UE3NS	3/8" NPT	92	37	9.5	115	32	36	13.9	0.66 Kg
UE4NS	1/2" NPT	95	37	9.5	115	32	36	13.9	0.64 Kg
UE6NS	3/4" NPT	110	46	12.7	150	38	46	25.3	1.2 Kg
UE8NS	1" NPT	124	80	19.1	167	63.5	51	61.2	3.0 Kg