ENGLISH

Datasheet

Process Ball Valve

RS Stock number 812-5185

Quality

- No metal-to-metal moving parts
- Handle clearly shows ball position
- Silicone-free lubricant on all seals
- Chrome plated brass ball for longer life
- Travel stops on body to avoid stresses at stem

Body

- Hot forged sand blasted, nickel plated brass body and cap sealed with Loctite or equivalent thread sealant
- The valve body includes a tapped downstream depressurization venting outlet to direct exhaust air and assemble mufflers for noise control
- Finest brass according to EN 12165 and EN 12164 (formerly DIN 17660 and UNI 5705-65) specifications

Stem

- Blowout-proof nickel plated brass stem
- Pure PTFE adjustable packing gland and washer for lower torque and easy maintenance

Working Pressure

- 14 Bar Kg/cm2 (200 PSI)
- non-shock cold working pressure

Flow

- Full port to DIN 3357 for maximum flow

Thread

- EN 10226-1, ISO 228 parallel female by female threads

Handle

- Geomet® carbon steel lockable handle patent n. 7074-B/90 with thick PVC dip coating. Handle coating offers both thermal and electrical protection
- Handle removable with valve in service

Seals

- Glass filled pure PTFE self-lubricating seats with flexible-lip design

Operating Temperature

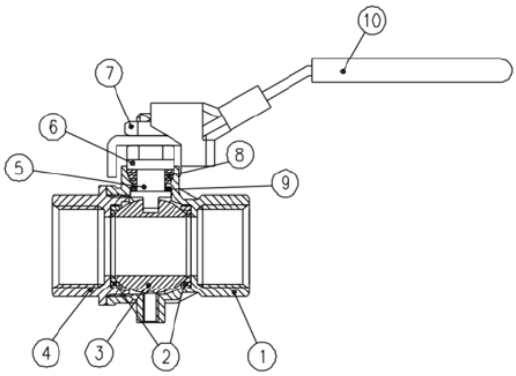
- -10°C (+15°F) / +100°C (+210°F) Warning: freezing of the fluid in the installation may severely damage the valve

Approved By:

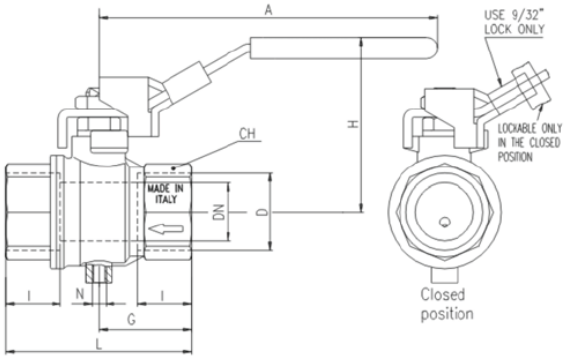
RoHS Compliant

OSHA

ENGLISH



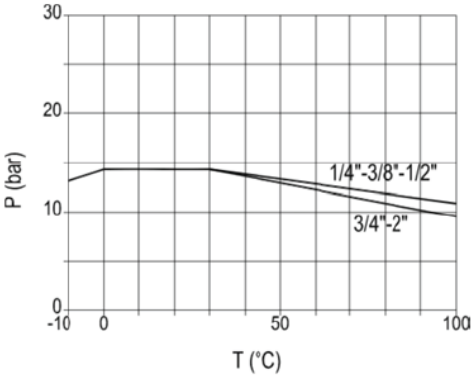
	PART DESCRIPTION	Q.TY	MATERIAL
1	Nickel plated body	1	CW617N
2	Seat	2	PTFE glass filled 5-15%
3	Chrome plated ball	1	CW617N
4	Nickel plated end cap	1	CW617N
5	Nickel plated stem packing gland design	1	CW617N
6	Nickel plated gland nut	1	CW617N
7	Geomet® nut	1	CB4FF
8	Packing gland seal	1	PTFE
9	Washer	1	PTFE carbon filled 25%
10	Light blue PVC coated Geomet® steel lockable handle	1	DD11



Code	S93B00	S93C00	S93D00	S93E00	S93F00	S93G00	S93H00	S93I00
D (inch)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
DN (mm)	8	10	15	20	25	32	40	50
I (mm)	12	12	15.5	17	21	23	23	26.5
L (mm)	45	45	59	64	81	93	102	121
G (mm)	22.5	22.5	29.5	32	40.5	46.5	51	60.5
A (mm)	96	96	96	117	117	156.5	156.5	156.5
H (mm)	48.5	48.5	51	60	64	80	86	93
CH (mm)	20	20	25	31	40	49	54	68.5
N	M5					G 1/4"		

DN shows the nominal flow diameter. Actual flow diameter complies with full port DIN 3357 part 4.

Pressure - Temperature Chart



Pressure Drop Chart