



# s.96 extended stem

**Female/Female  
full port 1/4" - 2"  
hot forged brass ball valve  
dezincification-resistant in sizes 3/8" - 2"**



## QUALITY

- 24h 100% seal test guaranteed
- Dual sealing system allows valve to be operated in either direction making installation easier
- No metal-to-metal moving parts
- No maintenance ever required
- Handle clearly shows ball position
- Silicone-free lubricant on all seals
- Chrome plated brass ball for longer life (DZR brass balls for sizes 3/8" - 2")
- Handle stops on body to avoid stress at stem

## BODY

- Hot forged sand blasted, nickel plated brass body and end cap (size 1/4") / Hot forged sand blasted DZR unplated body and end cap (sizes 3/8" - 2"), sealed with Loctite® or equivalent thread sealant
- Extended stem forged in one piece with body allows perfect sealing and easy operation when valve is isolated
- Finest brass according to EN 12165 and EN 12164 specifications (size 1/4"), Dezincification resistant ADZ-T and ADZ-P brass approved to SBN-PFS 1983:2 and NR-BFS 1988:18 specifications (sizes 3/8" - 2")

## STEM

- Maintenance-free, double FPM O-rings at the stem for maximum safety
- Unplated brass stem (size 1/4" ) / DZR brass stem (sizes 3/8" - 2")

## SEALING

- Pure PTFE self-lubricating seats with flexible-lip design

## THREADS

- ISO 228 female by female threads

## FLOW

- Full port to DIN 3357 for maximum flow

## OPTIONS

- Oval lockable handle ①
- Patented locking device ②
- Stem extension
- Stainless steel handle (1.4016 / AISI 430) ③
- T-handle ④
- Stubby handle
- **RuB** memory stop is designed to be installed with our stubby handle

## HANDLE

- Geomet® carbon steel handle with thick PVC dip coating. Handle coating offers both thermal and electrical protection
- Handle removable with valve in service
- **WARNING:** do not exceed reasonable temperature and/or electrical load

## WORKING PRESSURE & TEMPERATURE

- 30 bar (450 PSI) non-shock cold working pressure
- -40°C to +170°C (-40°F to +350°F)
- **WARNING:** freezing of the fluid in the installation may severely damage the valve

## UPON REQUEST

- Stainless steel ball (1.4401 / AISI 316)
- Glass filled PTFE seals
- Custom design

## PED DIRECTIVE

- According to 2014/68/UE module A: it cannot be used with dangerous gases in sizes larger than 25 mm

## APPROVED BY OR IN COMPLIANCE WITH

- RoHS Compliant (EU)
- EAC – Declaration of conformity (Russia, Kazakhstan, Belarus)

**NOTE:** approvals apply to specific configurations/sizes only.

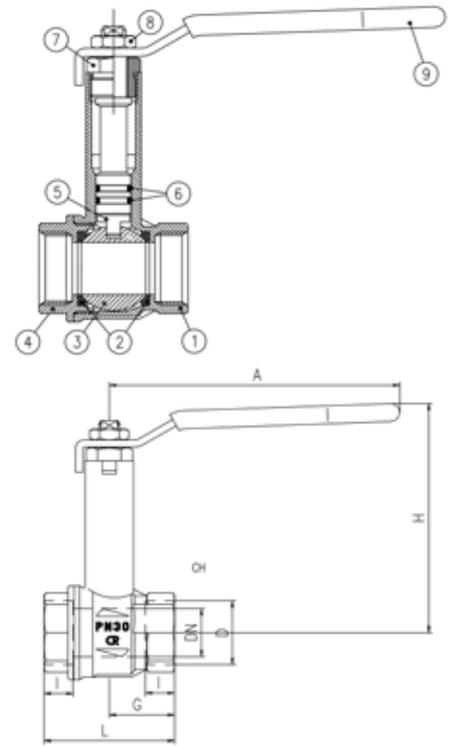


Each user should perform his own tests to find out the suitability for his particular application. BONOMI INDUSTRIES makes no warranty, express or implied, as to the shape, fit or function of a product for any application. Contact us or consult with your supplier for additional information on the suitability of the BONOMI INDUSTRIES products with your specific field of use.



PLUMBING

Part description		Q.ty	Material
1	Nickel plated body (size 1/4") Unplated DZR body (sizes 3/8"- 2")	1	CW617N CW602N
2	Seat	2	PTFE
3	Chrome plated ball (size 1/4") Chrome plated DZR ball (sizes 3/8"- 2")	1	CW617N CW602N
4	Nickel plated end -cap (size 1/4") Unplated DZR end-cap (sizes 3/8"- 2")	1	CW617N CW602N
5	Unplated extended stem O-ring design (size 1/4") Unplated extended DZR stem O-ring design (sizes 3/8"- 2")	1	CW617N CW602N
6	O-Ring	2	FPM
7	Unplated nut	1	CW617N
8	Geomet® nut	1	C4C (EN10263-2)
9	Red PVC coated Geomet® steel handle	1	DD11 (EN10111)



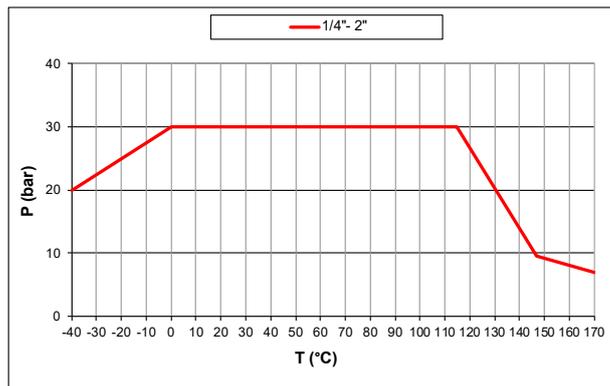
1 1/4"-2" hollow ball

Compliant to CE 2014/68/UE product  
Equipment category I Module A

Code	S96B00	S96C00	S96D00	S96E00	S96F00	S96G00	S96H00	S96I00
<b>D (Size)</b>	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
<b>DN (mm)</b>	8	10	15	20	25	32	40	50
<b>I (mm)</b>	9	9	11	12	14	15	17	19
<b>L (mm)</b>	39	39	50	54	67	77	90	106
<b>G (mm)</b>	19.5	19.5	25	27	33.5	38.5	45	53
<b>A (mm)</b>	100	100	100	120	120	158	158	158
<b>H (mm)</b>	85	85	88	95	99	124	130	137
<b>CH (mm)</b>	20	20	25	31	38	48	54	66
<b>Kv (m3/h)</b>	3.9	8.2	28	42	70	80	125	179

DN shows the nominal flow diameter. Actual flow diameter complies with full port DIN 3357 part 4. Ball valves are marked CE on handle from 1 1/4" to 2" as follow: CE Cat I-A

**PRESSURE-TEMPERATURE CHART**



**PRESSURE DROP CHART**

