

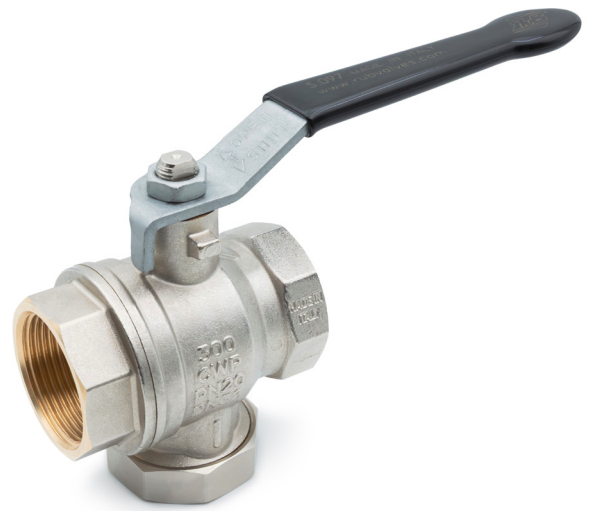


s.97

3/4" - 2"
ISO 228
with built-in filter

This ball valve with built-in vertical filter allows a large flow rate with a low pressure drop and supports a maximum pressure of 30 bar (PN).

This innovative product avoids the installation of two ball valves, before and after the filter. Quick and easy assembly, maintenance and cleaning.



QUALITY

- Substitutes 3 different components (2 ball valves and one filter)
- Reduces leakage risks due to lower sealing points
- Cost saving due to reduced number of components
- Time saving at installation and maintenance
- Built-in vertical filter with cartridge structure in AISI304 (filtration degree: 500 microns / 35 mesh).
- No metal-to-metal moving parts
- Handle clearly shows ball position
- Chrome plated brass ball for longer life
- Handle stop on body to avoid stress at stem
- Water glycol ready

BODY

- Hot forged sand blasted, external nickel plated brass body and cap sealed with Loctite® or equivalent thread sealant
- Finest brass according to EN 12165 and EN 12164 specifications
- Bottom plug for an easy filter maintenance

STEM

- Blowout-proof unplated brass stem
- Double EPDM O-rings at the stem for maximum safety

SEALING

- Pure PTFE seats

THREADS

- ISO 228 parallel female by female threads

FLOW

- Nominal port

OPTIONS

- T-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

- Shell rating: 30 bar (450 PSI) non-shock cold working pressure for sizes 3/4" and 1", 20 bar (290 PSI) for sizes 1 1/4" to 2"
- -20°C to +160°C (-4°F to +320°F)
- **WARNING:** freezing of the fluid in the installation may severely damage the valve
- **WARNING:** with pressure differentials higher than 2 bar, cleaning operation is mandatory (refer to Installation, Maintenance and Operating Instructions provided with the valve)

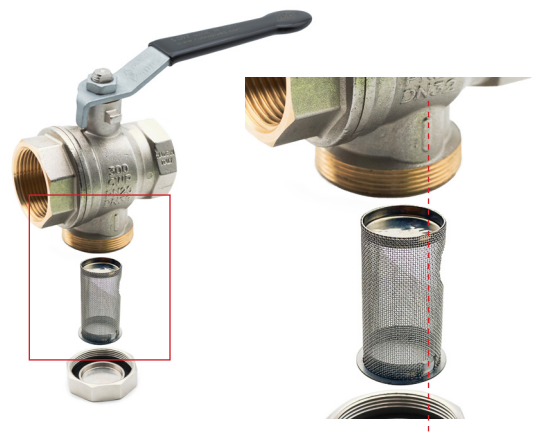
PED DIRECTIVE

- According to 2014/68/UE, 1 1/4" and superior sizes cannot be used with dangerous fluids

APPROVED BY OR IN COMPLIANCE WITH

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

NOTE: approvals apply to specific configurations/sizes only.



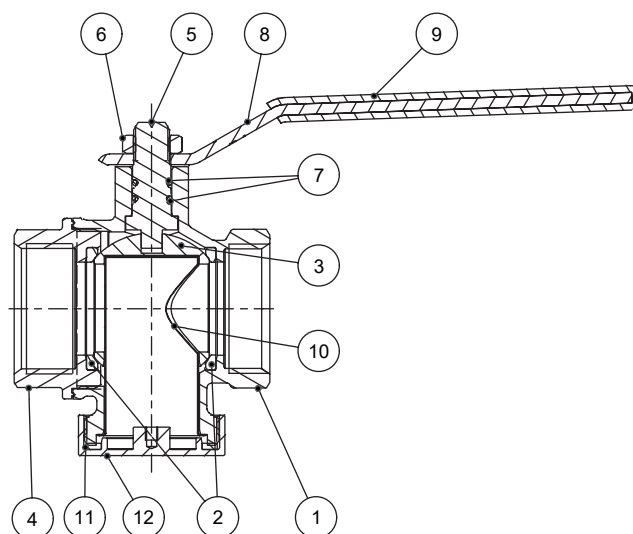
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Each user should perform his own tests to find out the suitability for his particular application. BONOMI INDUSTRIES makes no warranty, express or implied, as to the shape, fit or function of a product for any application. Contact us or consult with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

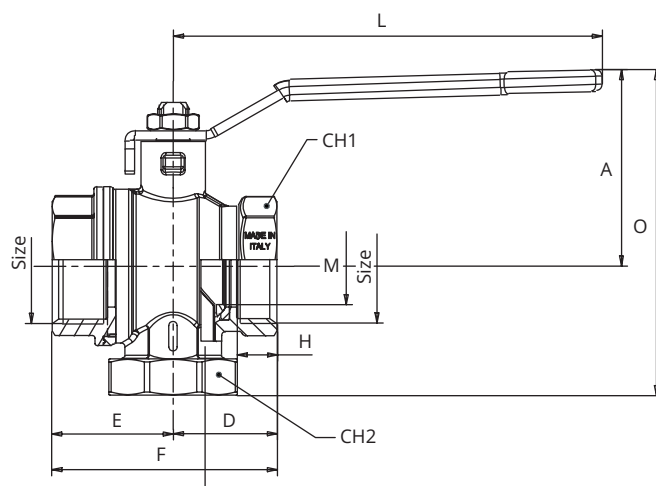


PLUMBING

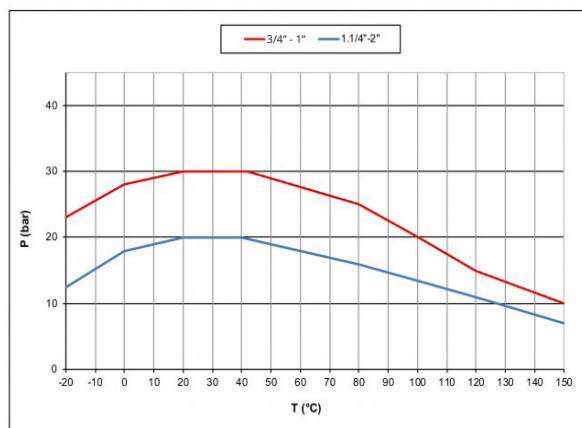
	Part description	Q.ty	Material
1	Sand blasted nickel plated body (External nickel plated, unplated inside)	1	CW617N
2	Seat	2	PTFE
3	Chrome plated ball	1	CW617N
4	Sand blasted nickel plated end cap (External nickel plated, unplated inside)	1	CW617N
5	Nickel plated stem O-Ring design	1	CW617N
6	Geomet® plated steel nut	1	C4C
7	O-Ring peroxide cured Shore A 70±5	2	EPDM
8	Geomet® steel handle	1	Carbon steel
9	Black dipped coating (RAL 9005)		PVC
10	Sheet metal filter - 500 µm mesh	1	AISI 304
11	Gasket	1	EPDM
12	Nickel plated filter cap	1	CW617N



Code	S097E002Px00	S097F002Px00	S097G002PJ00	S097H002PM00	S097I002PN00
Size (inch)	3/4"	1"	1 1/4"	1 1/2"	2"
A (mm)	50	73	73	79	86
D (mm)	27	38	38.5	45	53
E (mm)	29.5	33.5	44.8	51	60.95
F (mm)	56.5	71.5	83.3	96	113.95
H (mm)	12	14	15	17	19
L (mm)	120	120	158	158	158
M (mm)	16	20	28.5	37	48
O (mm)	85	94	120	133.5	151
CH1 (mm)	31	38	48	54	65
CH2 (mm)	30	38	48	55	68
PN (bar)	30	30	20	20	20
Kv (m3/h)	TBD	TBD	18	TBD	TBD



PRESSURE-TEMPERATURE CHART



PRESSURE DROP CHART

