



s.42 solder ends

full port 1/2" - 3"

hot forged brass ball valves



*150 psig non-shock working steam pressure.
Not suitable for throttling steam.
Ask our service center for specific suitability.

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
- Handle clearly shows ball position
- Silicone-free lubricant on all seals
- Chrome plated brass ball for longer life
- Handle stops on body to avoid stresses at stem

Body:

- Hot forged sand blasted, unplated brass body and cap sealed with Loctite® or equivalent thread sealant
- 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 reinforced washer for lower torque and easy maintenance

Seals:

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



Threads:

- Solder end Female by Female connections

Flow:

- Full port to DIN 3357 for maximum flow

Handle:

- Geomet® carbon steel handle with thick PVC dip coating. Handle coating offers both thermal and electrical protection
- Handle removable with valve in service

Working Pressure:

- 600 PSI up to 2", 450 PSI over 2", (150 WSP all sizes) - NOTE: for solder joints ratings see Table 1 below
- non-shock cold working pressure

Working Temperature:

- -4°F / +366°F (for solder joints ratings see Table 1 below)
- Warning: freezing of the fluid in the installation may severely damage the valve

Options up to 2" size:

- Stem extension (Assemble after soldering)
- Lead free for safe drinking water (0.25% or less Pb)
- AISI 430 stainless steel handle
- 1/8" NPT side tap only for 1/2" and 3/4"
- Oval lockable handle up to 2", round over 2"
- Patented locking device for valves up to 3"

Upon Request:

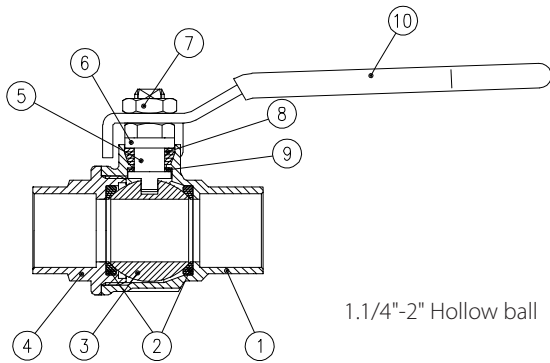
- AISI 316 stainless steel ball and/or stem
- Glass filled PTFE seals
- Custom Design

Approved by or in compliance with:

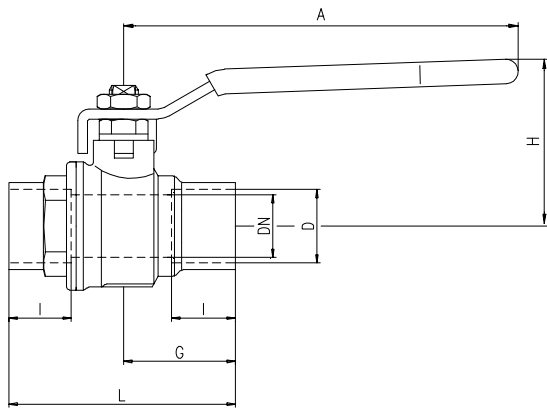
- GOST-R (Russia)
- Hygiene and epidemic center in Moscow city (Russia)
- UkrSepro (Ukraine)
- RoHS Compliant
- Underwriters Laboratories (United States & Canada)

- Meeting WW-V-35C Federal U.S. Specification
- EAC - Declaration of conformity (Russia-Kazakhstan-Belarus)

NOTE: Approvals apply to specific configurations/sizes only.



1.1/4"-2" Hollow ball



Part Description	Q.ty'	Material
1 Unplated solder end body	1	CW617N
2 Seat	2	PTFE
3 Chrome plated ball	1	CW617N
4 Unplated solder 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 Yellow PVC coated Geomet® steel handle	1	DD11

Code	S42D00	S42E00	S42F00	S42G00	S42H00	S42I00	S42L00	S42M00
D (inch) Nominal	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
D (inch) actual	0.6271	0.8771	1.1279	1.3779	1.6279	2.1279	2.628	3.128
DN (inch)	0.590	0.787	0.984	1.259	1.574	1.968	2.559	3.149
I (inch)	0.492	0.748	0.905	0.964	1.102	1.338	1.476	1.673
L (inch)	2.244	2.854	3.346	3.819	4.488	5.433	6.614	7.598
G (inch)	1.181	1.476	1.673	1.909	2.244	2.716	3.307	3.799
A (inch)	3.937	4.724	4.724	6.220	6.220	6.220	10.039	10.039
H (inch)	1.695	1.988	2.153	2.988	3.236	3.500	5.196	5.511

Joining material	melting range degrees		working temperature degrees		maximum working gauge pressure					
	°F	°C	°F	°C	size 1/2"-1"		size 1.1/4"-2"		size 2.1/2"-4"	
					psi	kPa	psi	kPa	psi	kPa
50-50 tin-lead solder* ASTM B32 alloy grade 50A	361/421	185/215	0/+100	-18/+38	200	1400	175	1200	150	1050
			0/+150	-18/+66	150	1050	125	850	100	700
			0/+200	-18/+93	100	700	90	600	75	500
			0/+250	-18/+121	85	600	75	500	50	350
95-5 tin-antimony solder ASTM B32 alloy grade 95TA	450/464	230/240	0/+100	-18/+38	500	3500	400	2800	300	2100
			0/+150	-18/+66	400	2800	350	2400	275	2000
			0/+200	-18/+93	300	2100	250	1700	200	1400
			0/+250	-18/+121	200	1400	175	1200	150	1050

Above stated limits are not imposed by the valve, but by the strength of the soldering joint according to ASME B16.22.
*This alloy contains more than 0.2% lead and, according to certain specifications, cannot be used for potable water or other foods.

DN shows the nominal flow diameter. Actual flow diameter complies with full port DIN 3357 part 4. Stem configuration of valves over 2" is slightly different.

Ask for additional information on the whole range of **RuB** valves and consult with your supplier for special applications.

Pressure-Temperature Chart

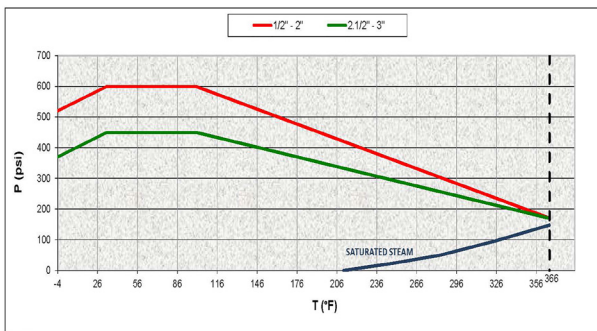
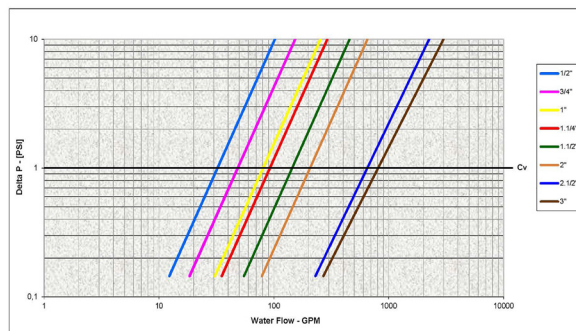


Chart applies to valve, not to solder joints

Pressure Drop Chart



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