



# s.90 ACS

Female/Female  
1/4" - 4"  
ISO 228



## 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
- Handle stops on body to avoid stress at stem

## 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

## STEM

- Blowout-proof nickel plated brass stem
- Maintenance-free, double O-rings at the stem for maximum safety

## SEALING

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

## THREADS

- ISO 228 parallel female by female threads

## 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 & TEMPERATURE

- 40 bar (600 PSI) up to 2", 30 bar (450 PSI) over 2" non-shock cold working pressure
- -40°C to +180°C (-40°F to +356°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 25mm

## APPROVED BY OR IN COMPLIANCE WITH

- Water Regulations Advisory Scheme (United Kingdom)\*
- EAC – Declaration of conformity (Russia, Kazakhstan, Belarus)
- RoHS Compliant (EU)
- Attestation de Conformité Sanitaire (France)\*

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

**\*NOTE:** for sizes 1/4" to 2"

## OPTIONS

- Oval lockable handle up to 2", round over 2" ①
- Patented locking device ②
- Stainless steel handle (1.4016 / AISI 430) ③
- T-handle ④
- Stem extension
- **RuB** memory stop is designed to be installed with our stubby handle
- Dezincification resistant brass body and components
- Stubby handle up to 2"



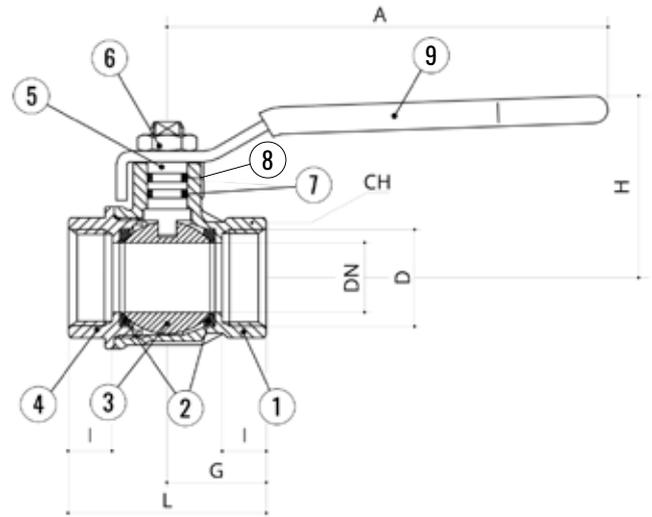
# s.90 ACS XCES9099 - 6012

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 (external nickel plated, unplated inside up to 2")	1	CW617N
2 Seat	2	PTFE
3 Chrome plated ball	1	CW617N
4 Nickel plated end-cap (external nickel plated, unplated inside up to 2")	1	CW617N
5 Nickel plated stem O-ring design	1	CW617N
6 Geomet® nut	1	C4C (EN10263-2)
7 O-ring	1	EPDM for sizes 1/4" - 2" FPM for sizes 2 1/2" - 4"
8 O-ring	1	FPM
9 Red PVC coated Geomet® steel handle	1	DD11 (EN10111)



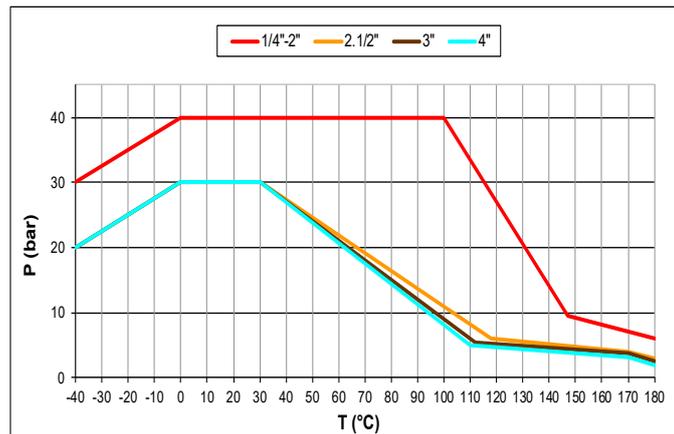
1 1/4"-2" hollow ball

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

Code	S90B0099	S90C0099	S90D0099	S90E0099	S90F0099	S90G0099	S90H0099	S90I0099	S90L00	S90M00	S90N00
D (Size)	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
DN (mm)	8	10	15	20	25	32	40	50	65	80	100
I (mm)	9	9	11	12	14	15	17	19	22	25	29
L (mm)	39	39	50	54	67	77	90	106	136	157	191
G (mm)	19,5	19,5	25	27	33,5	38,5	45	53	68	78,5	95,5
A (mm)	82	82	100	120	120	158	158	158	255	255	255
H (mm)	38	38	43	50	54	73	79	86	132	140	154
CH (mm)	17	20	25	31	38	48	54	66	85	99	125
Kv (m <sup>3</sup> /h)	3,9	8,2	28	42	70	80	125	179	516	776	1130

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. Ball valves are marked CE on handle from 1.1/4" to 2", on body over 2" as follow:  
CE XXCODEXX Cat I-A

## PRESSURE-TEMPERATURE CHART



## PRESSURE DROP CHART

