



# s.93 NPT downstream exhaust

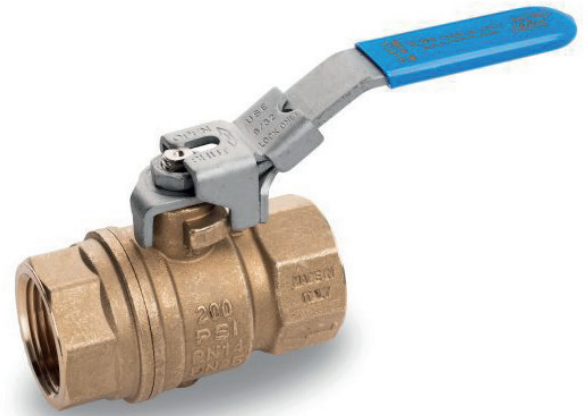
**Female/Female  
1/4" - 2"  
with patented locking handle**

Featuring patented tamper-proof lockable handle that has no equal in the market.

**RuB** s.93 range exhausts automatically and continuously downstream air pressure as soon as turned in the closed position.

Valve is lockable in the closed position only, according to Part. 1910.147 safety OSHA (USA) requirements allowing safe maintenance of the air-supplied equipment; when valve is open, one simple 90° turn of the handle shuts flow immediately.

We care for those you care for.



## QUALITY

- 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 stresses at stem

## BODY

- Hot forged sand blasted, external nickel plated brass body and cap sealed with Loctite® or equivalent threads sealant
- The valve body includes a tapped downstream depressurization venting outlet to direct exhaust air or assemble mufflers for noise control
- Finest brass according to EN 12165 and EN 12164 specifications

## STEM

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

## SEALING

- Molybdenum filled PTFE self-lubricating seats with flexible-lip design

## THREADS

- NPT taper ANSI B.1.20.1 threads

## FLOW

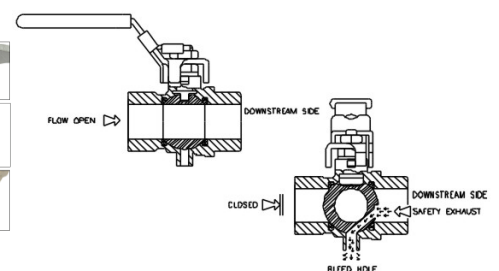
- Full port to DIN 3357 for maximum flow

## 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

## OPTIONS

- Stainless steel handle (1.4016 / AISI 430)
- Non-locking Geomet® carbon steel lever handle
- Safety pin
- Muffler, hose



## WORKING PRESSURE & TEMPERATURE

- 200 PSI (14 bar) non-shock cold working pressure
- +15°F to +210°F (-10°C to +100°C)
- **WARNING:** freezing of the fluid in the installation may severely damage the valve

## UPON REQUEST

- Stainless steel ball (1.4401 / AISI 316)
- Custom design
- T-handle

## PED DIRECTIVE

- The product described in this document meets the requirements of PED Directive 2014/68/UE and according to art.4 par.3, it does not require CE marking; it cannot be used with dangerous gases in sizes larger than 25 mm

## APPROVED BY OR IN COMPLIANCE WITH

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

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

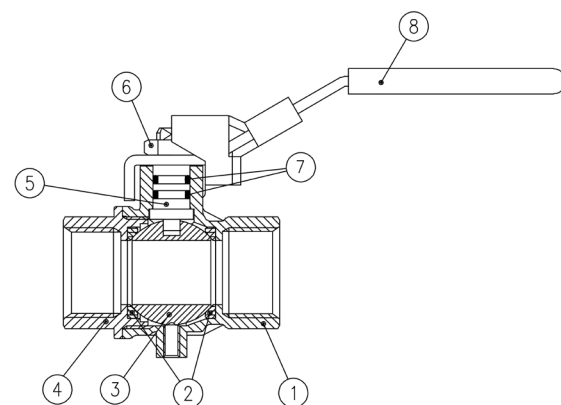
## s.93 NPT XCES93N - 5813

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.

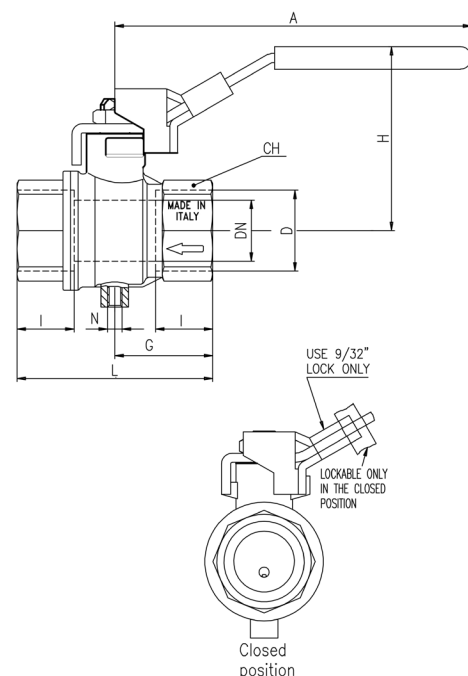


PNEUMATIC

	Part description	Q.ty	Material
1	Unplated body	1	CW617N
2	Seat	2	PTFE molybdenum filled
3	Chrome plated ball	1	CW617N
4	Unplated end-cap	1	CW617N
5	Nickel plated stem O-Ring design	1	CW617N
6	Geomet® nut	1	C4C (EN10263-2)
7	O-Ring	2	FPM
8	Light blue PVC coated Geomet® steel lockable handle	1	DD11 (EN10111)

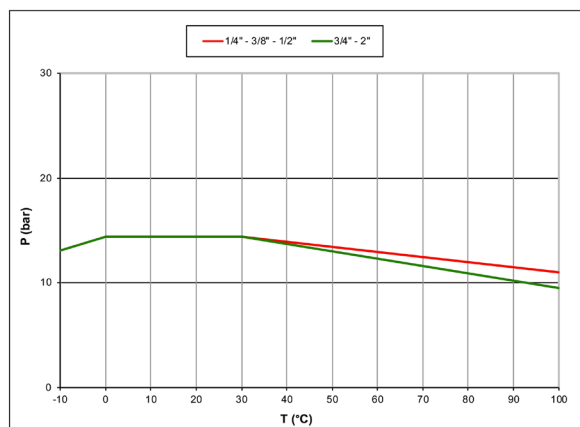


Code	S93B41	S93C41	S93D41	S93E41	S93F41	S93G41	S93H41	S93I41
D (inch)	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
DN (inch)	0.315	0.374	0.591	0.787	0.945	1.181	1.496	1.890
I (inch)	0.472	0.472	0.610	0.669	0.827	0.906	0.906	1.043
L (inch)	1.772	1.772	2.323	2.520	3.189	3.661	4.016	4.764
G (inch)	0.886	0.886	1.161	1.259	1.594	1.831	2.008	2.382
A (inch)	3.779	3.779	3.759	4.606	4.606	6.161	6.161	6.161
H (inch)	1.823	1.823	1.998	2.333	2.490	3.018	3.254	3.530
CH (inch)	0.669	0.787	0.984	1.220	1.575	1.929	2.126	2.697
N	10-32 UNF					1/4" NPT		
CV (GPM)	4.5	9.5	32.3	48.5	80.9	127.1	214.9	295.8



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

## PRESSURE-TEMPERATURE CHART



## PRESSURE DROP CHART

