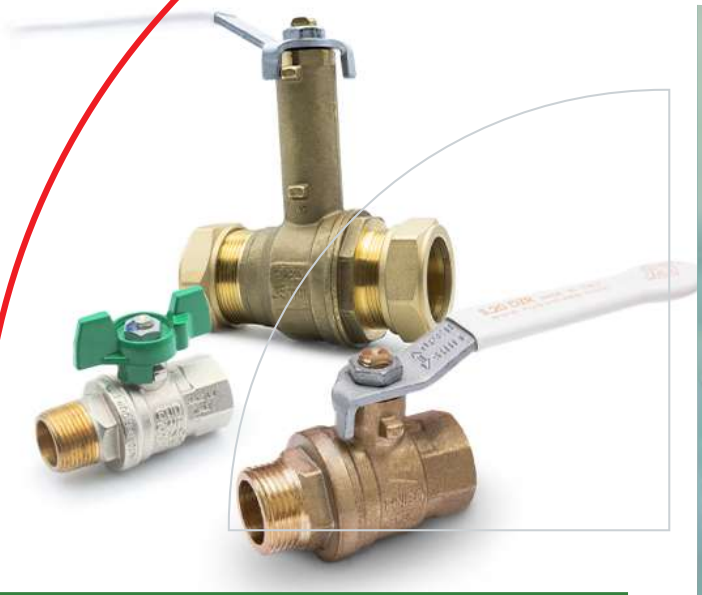


DRINKING WATER
CATALOG

Started in 1954 by a young Silvio Bonomi, Bonomi Industries Srl led product and process innovations of the brass valve industry for over 70 years

Our founder's motto was "Quality and trust". This is the legacy we bring forward every day.

About us

Bonomi Industries Srl is an Italian manufacturer of high quality shut-off brass valves, actuators and custom-engineered solutions. Under the RuB brand, its products are globally trusted for their reliability and performance in a variety of applications.

Bonomi Industries Srl is part of Hadron group — a private holding company established in 2018 during the strategic reorganization of Rubinetterie Utensilerie Bonomi (RuB), which also led to the creation of Shedstone, a real estate company — Bonomi Industries Srl continues to grow and innovate. Started in 1954, with entrepreneurial roots tracing back to 1828, the company upholds the values and tradition of a family business while embracing a vision focused towards the future.

Growth at Bonomi Industries Srl is driven by continuous investments in product improvements, advanced machining, assembly, and logistics technologies, as well as expanded manufacturing capabilities, enhanced system interconnectivity, database analysis and strengthened engineering and R&D efforts. At the same time, sustainability — encompassing environmental, social, and governance topics — has always been part of the company's DNA and inspires meaningful actions.

For Bonomi Industries Srl, innovation and responsibility go hand in hand. This commitment shapes a journey aimed at safeguarding the environment, empowering people, and fostering resilient governance for a better tomorrow.

Bonomi Industries Srl turns words into actions for all stakeholders

Scan the QR code to discover our values

Companies

RuB valves and actuators are trusted worldwide, installed across five continents and proven in the most demanding applications.

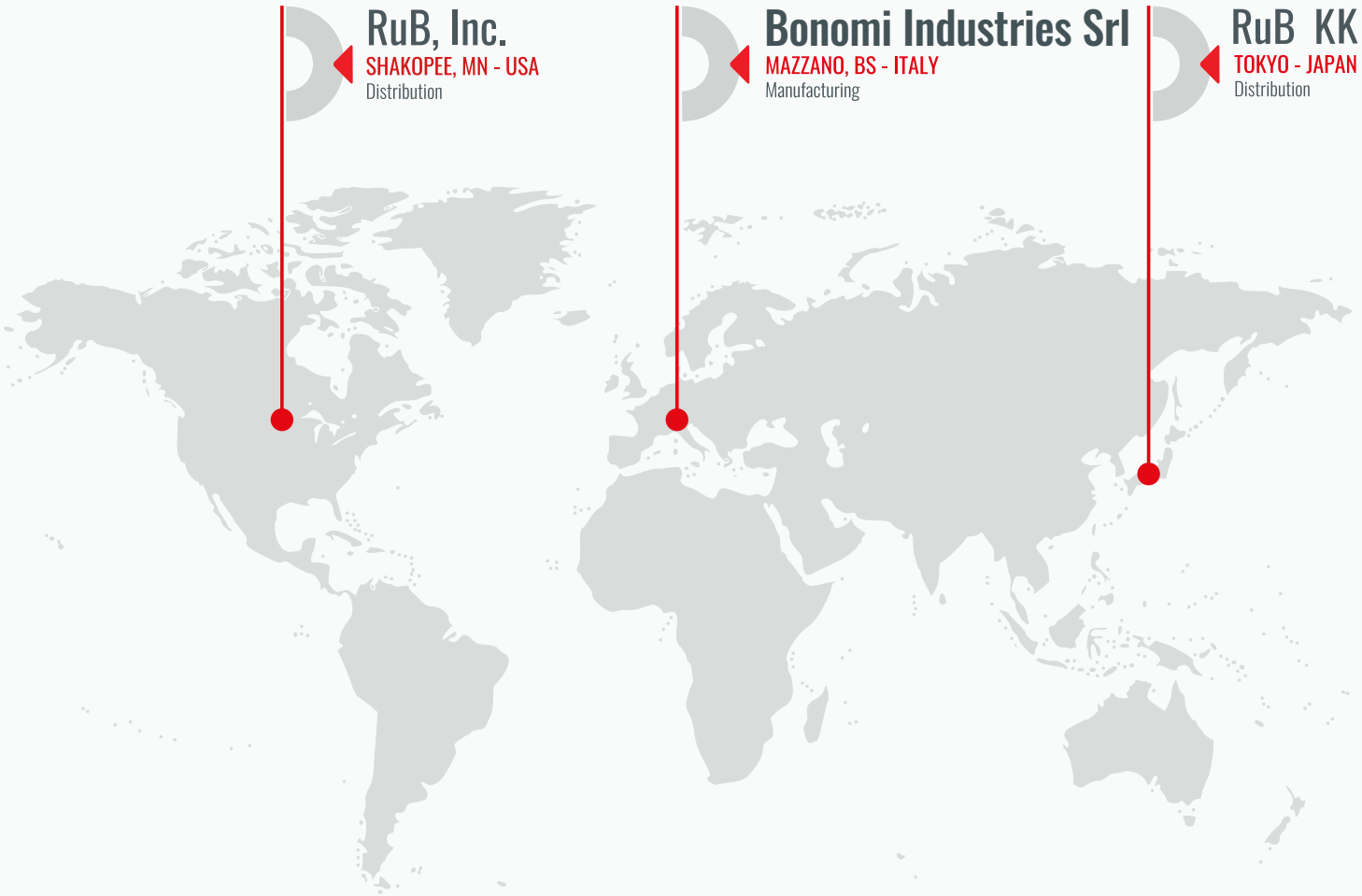
Production takes place entirely at our headquarters, Bonomi Industries Srl, in Mazzano (Brescia), Italy. Finished products are then distributed globally from Italy and through our international branches. In North America, ***RuB, Incorporated*** operates from a modern 5.000 sqm (50,000 sqf) facility, handling both assembly and distribution. In Japan, ***RuB kk*** serves as a strategic presence in a peculiar market.

With a strong global presence, we provide proximity, reliability, and outstanding service to our customers. Our sales team builds lasting partnerships with distributors and OEMs by offering responsive support and technical expertise. Certified, high-quality products, combined with deep knowledge of local cultures and regulations, make Bonomi Industries Srl the trusted partner in fluid control solutions.

Bonomi Industries srl
MAZZANO, BS - ITALY
Manufacturing

RuB, Inc.
SHAKOPEE, MN - USA
Distribution

RuB KK
TOKYO - JAPAN
Distribution


RuB, Inc.
SHAKOPEE, MN - USA
Distribution
Bonomi Industries Srl
MAZZANO, BS - ITALY
Manufacturing
RuB KK
TOKYO - JAPAN
Distribution

Quality

Quality you can trust, proven through generations of experience.

From rigorous incoming goods inspections to double leak testing, 24-72 hour valve assessments, and visual inspections for top markets/applications, Bonomi Industries Srl ensures consistent reliability and precision in every product. Advanced traceability systems, calibrated instruments, and statistical software enhance quality control throughout the production process.

Our dedicated Quality Control team supports continuous monitoring and improvement, ensuring that each production batch meets exactly applicable standards. Paired with robust testing protocols and expert technical support, we deliver solutions designed to meet the most challenging applications.

Approved by Lloyd's Register Quality Assurance:
ISO 9001:2015 (Quality Management) since 1998.
ISO 14001:2018 (Environmental Management System) since 2021.
ISO 45001:2018 (Occupational Health & Safety) since 2021.

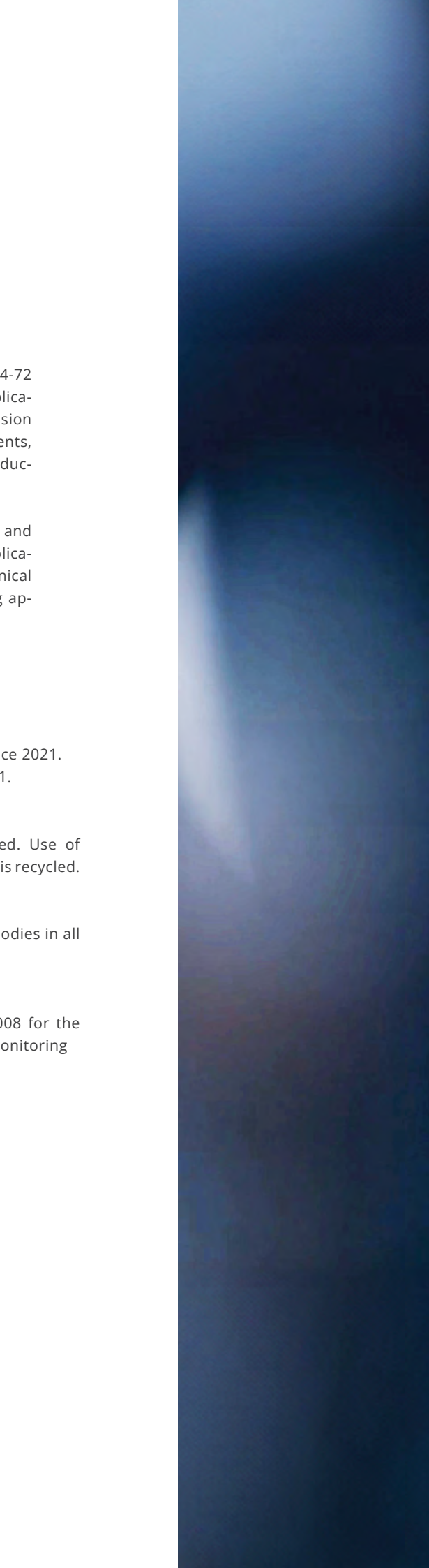
Environment: Air and water are filtered and recovered. Use of recycled environment-friendly packaging materials. Scrap is recycled.

Product Quality Assessment: recognized by certifying bodies in all major industrialized countries worldwide

Safety: compliance with the provisions of decree 81/2008 for the safety system, extensive staff training, and continuous monitoring

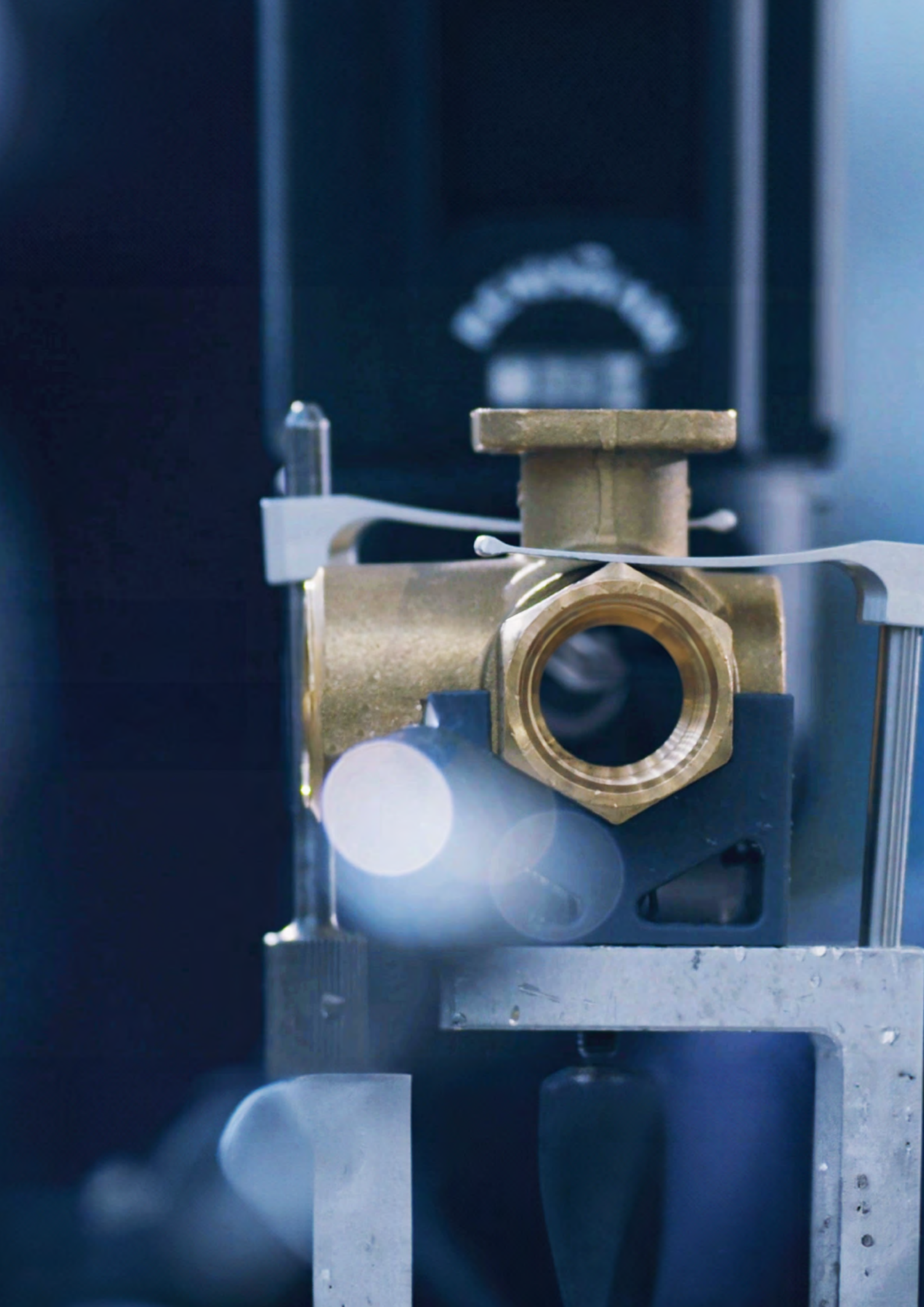
Customized products developed by the Engineering Center

In compliance with the **PED Directive** since 2002



Quality you can trust

See our quality process in action/Experience every step of our quality process



Sustainability

Sustainability has always been a necessity, not a choice. The adoption of sustainable practices at corporate level lays the foundation for creating virtuous cycles that inspire future generations.

Our commitment is stronger than ever, and we're proud to share with you here below figures that mark the tasks we focus on our actions, achievements, and the vision we have for the future. Localized production of electricity is now a reality and we have not been shy with our investments towards clean renewable energy.

Companies are finally waking up to producing their own electricity. Aside from covering the needs of our production manufacturing facility with through solar panels, we constantly reduce energy consumption by investing in smart technology and minimizing heavy material handling.

The diligence with which we strive to make our process and products less impactful on the environment is confirmed by the certifications awarded by international bodies, in particular ISO 14001:2018 and the "silver" medal in the EcoVadis sustainability assessment.

HOW WE WALK THE TALK.

100% of our brass ball valves prevent unnecessary waste – lifetime guaranteed

96% manufacturing scrap is reused

30% of energy comes from our own renewable sources

100% cooling waters are recovered and reused

Together, safeguarding our Planet
Learn more about our initiatives.


1"
DN25

OEM

Every year, OEMs all over the world rely on RuB custom solutions to reduce leaks, equipment breakages and production downtime. We're heavily invested in OEM customizations with custom-made machinery for innovative products and solutions.

We have proven expertise in solving technical and operational challenges for leading boilers, heat pumps and burners manufacturers, LPG gas tank and system manufacturers, manufacturers of watering systems, fire protection, refrigeration, HVAC manufacturers, marine applications with shipbuilders, compressors, tanks, machine tools manufacturers, filtration, chemical, food processing and pharmaceutical companies.

We are intrigued to learn about your obstacles and bring your custom, top shelf solution to life.

PRIVATE LABEL

We strive to meet the needs of our customers in every way possible. And we do so not only through specifically designed, engineered and manufactured OEM products, but also by customizing standard RuB ball valves.

The possible branding options to choose from include:

- Changing the lever marking to the customer's trademark
- Packing with a custom label
- Customized handle colors and materials
- Customized valve fittings
- Dedicated valve body stamping
- Special marking on the valve body
- Custom installation instructions

OEM solutions, custom made for you

OEMs have a Partner to solve their challenges and develop new products

Certifications

We are proud to offer 100% made-in-Italy shut-off brass valves, actuators, and OEM-engineered products, all manufactured in our ISO 9001:2015 certified headquarters in Brescia, Italy. Since adopting this quality management system in 1992 under Lloyd's Register, we have continuously improved product reliability, performance and traceability.
Our certifications, granted by leading global laboratories and agencies, demonstrate compliance with the highest standards for major applications and markets. Supported by rigorous testing and state of art technology, our products meet the demanding requirements of top manufacturers and distributors worldwide.

PRODUCT TYPE APPROVALS

- Deutsche Vereinigung des Gas und Wasserfaches e.V. Technisch-wissenschaftlicher Verein
- Deutsche Vereinigung des Gas und Wasserfaches
- Deutsche Vereinigung des Gas und Wasserfaches Hygiene
- Schweizerischer Verein des Gas und Wasserfaches
- Attestation de Conformitè Sanitarie
- ARGB-KVBG
- Water Regulations Advisory Scheme
- British Standards Institution
- Kiwa KUKreg4
- Ri.se. / Boverket
- Kiwa - Swedcert
- General Directorate of Civil Defence
- The Australian Gas Association
- OSHA Compliant
- Factory Mutual Research Corporation
- Underwriter Laboratories Inc.
- CRN-TSSA
- CSA International for Drinking Water to NSF/ANSI 61- NSF/ANSI 372
- CSA - Canadian Standards Association
- KSFD -Kuwait Fire Service Directorate
- LIA - L.P Gas Instruments Inspections Association

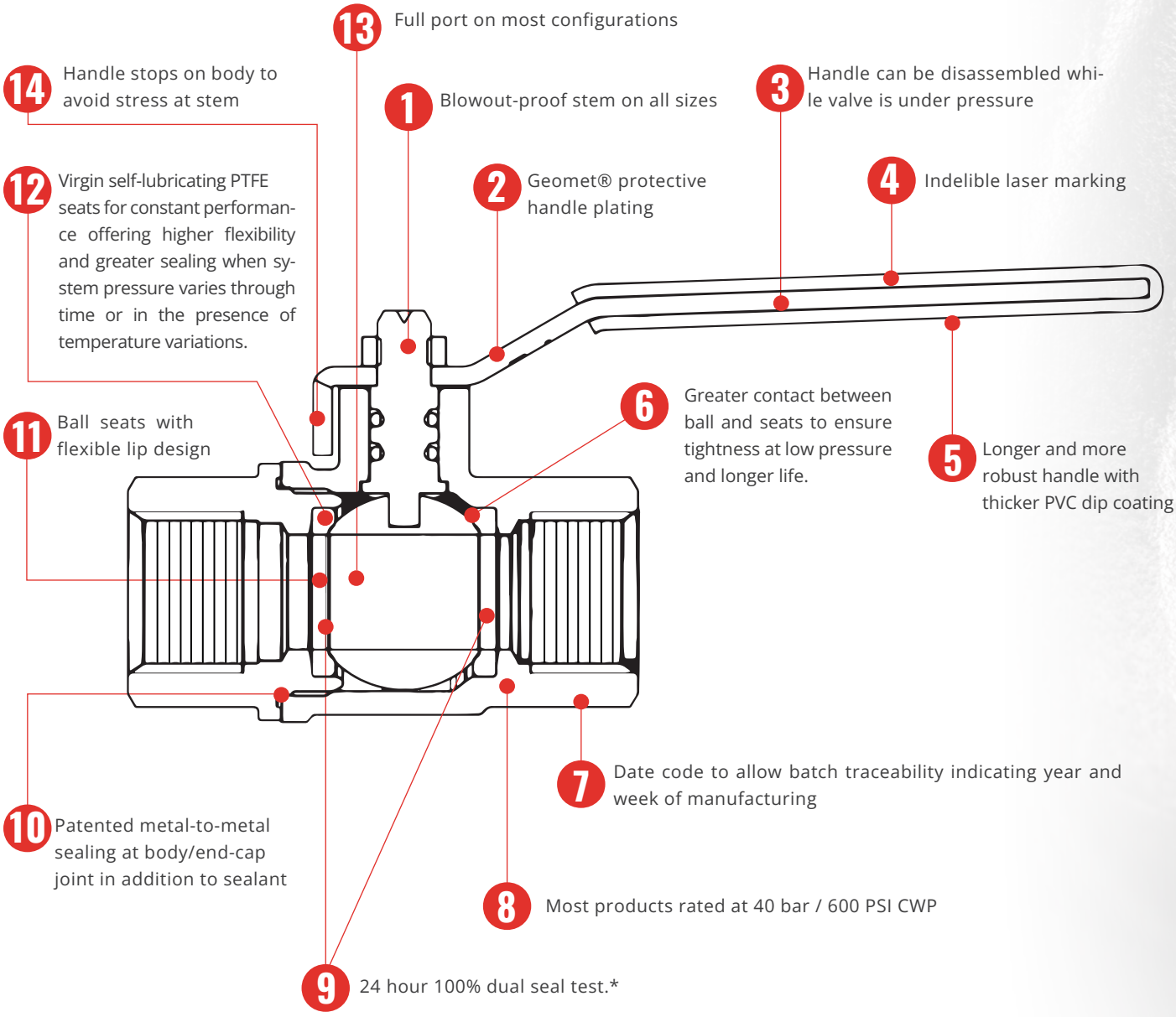
COMPLIANCES

- ROHS
- Reach declaration
- PED 2014/68/UE by ICIM (0425)
- Декларация соответствия

We developed and constantly innovate strict protocols and processes
Discover all the certifications and awards received from international bodies


OPEN
SHUT
PATENTED
NO.1421306

RuB valve features



RuB seal test

Valve in half open position is pressurized at 6 bar (87 psig), then closed, trapping compressed air in between ball seats and stem sealing. After adequate preset time, based upon valve size, any leaks are verified using extremely accurate electronic sensors and any defective valve is automatically rejected; all valves passing this initial seal test are filled with compressed air again and remain closed and under pressure for minimum 24 hours; after 24 hours, the valves go back again under the same accurate a new set of electronic pressure sensors and any leaking valve is automatically rejected.

* Certain products are not suitable for double seal test

Our solutions come with an added benefit: maximizing your revenue

Scan the QR code to discover our products

DRINKING WATER

Water is life, and it deserves the utmost respect through the highest safety and hygiene standards. With decades of expertise, we manufacture ball valves using specialized alloys that meet regulations worldwide. Whether it's DZR brass CW602N, Lead-Free CW510L, CW511L, or UBA-approved CW617N, RuB valves are designed to meet your specific drinking water needs.

s.20 DZR

Female/Female
1/4" - 2"
ISO 228, dezincification-resistant

Several governmental authorities recommend use of special alloys for valves handling water in areas where there is a problem of dezincification.

RuB DZR valves are designed to meet such requirements.

Through the use of new technology these valves retain the reliability and competitiveness of brass, but are comparable to bronze in corrosion resistance.

Be kind with yourself, make sure the valve that brings you pure fresh water is an ***RuB*** DZR valve.

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 DZR brass ball for longer life
- Handle stops on body to avoid stress at stem

BODY
- Hot forged sand blasted DZR unplated body and cap sealed with Loctite® or equivalent thread sealant
- Dezincification resistant ADZ-T and ADZ-P brass approved to SBN-PFS 1983:2 and NR-BFS 1988:18 specifications

STEM
- Maintenance-free, double FPM O-rings at the stem for maximum safety
- Blowout-proof unplated DZR brass stem

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
- **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
- Male by female threads

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
- RoHS Compliant (EU)
- GOST-R (Russia)
- KIWA Regulation 4 a.k.a. KUKreg4 (United Kingdom)
- EAC – Declaration of conformity (Russia, Kazakhstan, Belarus)
- Water Regulations Advisory Scheme (United Kingdom)

NOTE: approvals apply to specific configurations/sizes only.

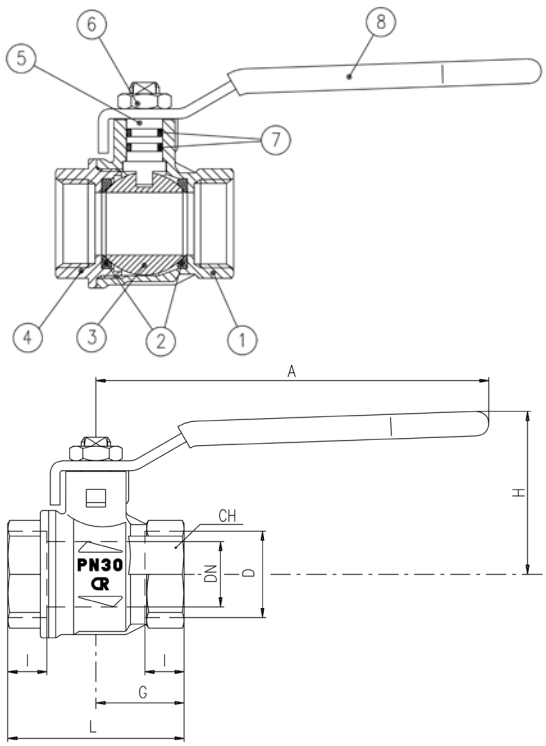
OPTIONS
- Oval lockable handle 1
- ***RuB*** memory stop designed to be installed with our stubby handle 2
- Stainless steel handle (1.4016 / AISI 430) 3
- Patented locking device
- T-handle 4
- CW617N brass body and components 5
- Brass stem extension 5
- Stubby handle

s.20 DZR XCES20 - 5466

DRINKING WATER

	Part description	Q.ty	Material
1	Unplated body	1	CW602N
2	Ball seat	2	PTFE
3	Chrome plated ball	1	CW602N
4	Unplated end-cap	1	CW602N
5	Unplated stem O-ring design	1	CW602N
6	Geomet® nut	1	C4C (EN10263-2)
7	O-Ring	2	FPM
8	White PVC coated Geomet® steel handle	1	DD11 (EN10111)

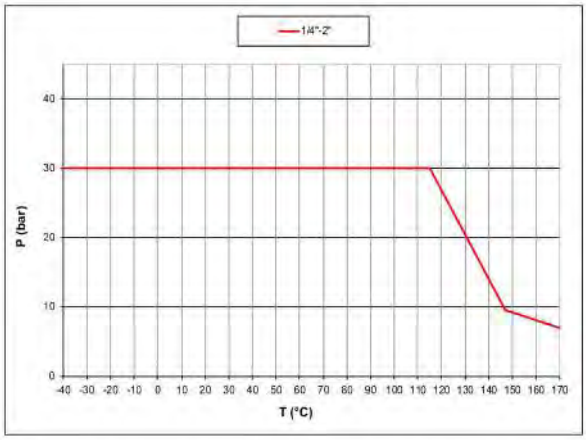
1 ¼"-2" hollow ball



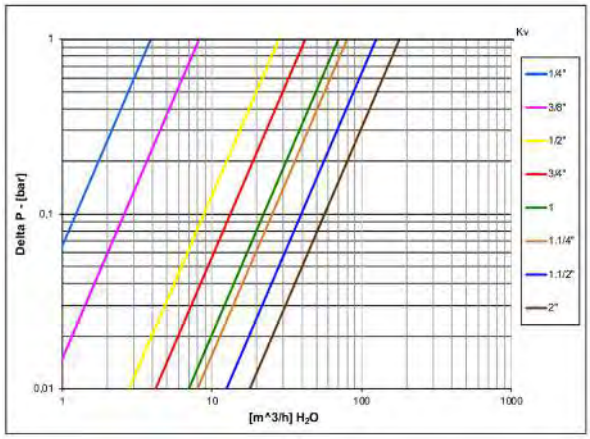
Code	S20B00	S20C00	S20D00	S20E00	S20F00	S20G00	S20H00	S20I00
D (inch)	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
DN (mm)	8	10	15	20	25	32	40	50
I (mm)	9	9	11	12	14	15	17	19
L (mm)	39	39	50	54	67	77	90	106
G (mm)	19.5	19.5	25	27	33.5	38.5	45	53
A (mm)	100	100	100	120	120	158	158	158
H (mm)	39	39	43	50	54	73	79	86
CH (mm)	17	20	25	31	38	48	54	66
Kv (m^3/h)	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.

PRESSURE-TEMPERATURE CHART



PRESSURE DROP CHART



s.20 DZR M/F

Male/Female
3/8" - 1 ¼"
ISO 228, dezincification-resistant

Several governmental authorities recommend use of special alloys for valves handling water in areas where there is a problem of dezincification. ***RuB*** DZR valves are designed to meet such requirements.

Through the use of new technology these valves retain the reliability and competitiveness of brass, but are comparable to bronze in corrosion resistance.

Be kind with yourself, make sure the valve that brings you pure fresh water is an ***RuB*** DZR valve.

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 DZR brass ball for longer life
- Handle stops on body to avoid stress at stem

BODY
- Hot forged sand blasted DZR unplated body and cap sealed with Loctite® or equivalent thread sealant
- Dezincification resistant ADZ-T and ADZ-P brass approved to SBN-PFS 1983:2 and NR-BFS 1988:18 specifications

STEM
- Maintenance-free, double FPM O-rings at the stem for maximum safety
- Blowout-proof unplated DZR brass stem

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

THREADS
- ISO 228 parallel male 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
- **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 25mm

APPROVED BY OR IN COMPLIANCE WITH
- RoHS Compliant (EU)
- GOST-R (Russia)
- EAC – Declaration of conformity (Russia, Kazakhstan, Belarus)
- KIWA Regulation 4 a.k.a. KUKreg4 (United Kingdom)
- Water Regulations Advisory Scheme (United Kingdom)

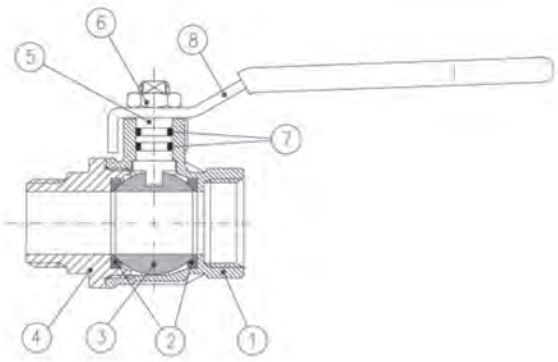
NOTE: approvals apply to specific configurations/sizes only.

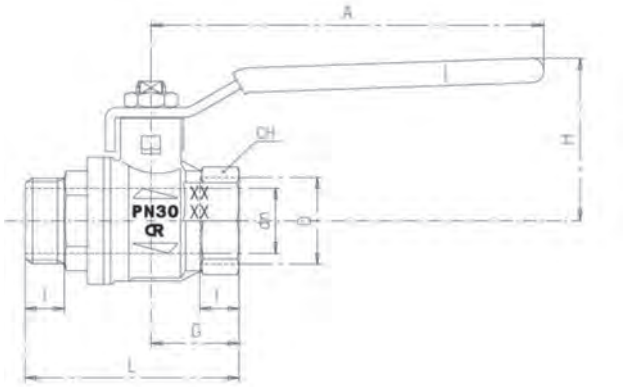
OPTIONS
- Oval lockable handle 1
- Patented locking device 2
- Stainless steel handle (1.4016 / AISI 430) 3
- ***RuB*** memory stop designed to be installed with our stubby handle
- T-handle 4
- CW617N brass body and components 5
- Brass stem extension 5
- Stubby handle

s.20 DZR MF XCES20M - 5466

DRINKING WATER

	Part description	Q.ty	Material
1	Unplated body	1	CW602N
2	Ball seat	2	PTFE
3	Chrome plated ball	1	CW602N
4	Unplated end-cap	1	CW602N
5	Unplated stem O-ring design	1	CW602N
6	Geomet® nut	1	C4C (EN10263-2)
7	O-Ring	2	FPM
8	White PVC coated Geomet® steel handle	1	DD11 (EN10111)

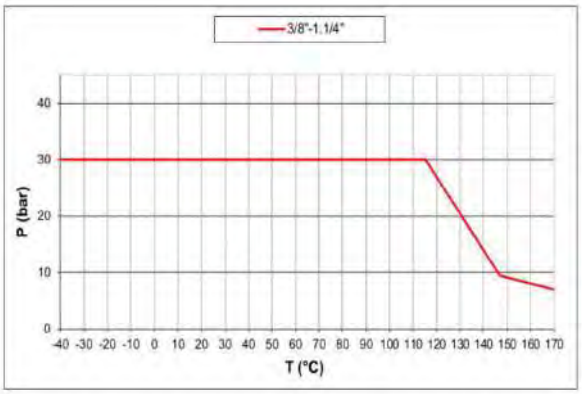




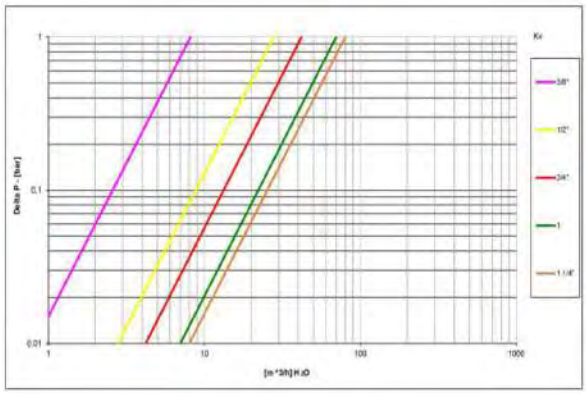
Code	S20C20	S20D20	S20E20	S20F00	S20200
D (inch)	3/8"	1/2"	3/4"	1"	1 1/4"
DN (mm)	10	15	20	25	32
I (mm)	9	11	12	14	15
L (mm)	49	60	65.5	77.5	89
G (mm)	19.5	25	27	33.5	38.5
A (mm)	82	100	120	120	158
H (mm)	38	43	50	54	73
CH (mm)	20	25	31	38	48
Kv (m^3/h)	8.2	28	42	70	80

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

PRESSURE-TEMPERATURE CHART



PRESSURE DROP CHART



s.21 DZR

12 - 54 mm solder ends for insulation dezincification-resistant

Several governmental authorities recommend use of special alloys for valves handling water in areas where there is a problem of dezincification.

RuB DZR valves are designed to meet such requirements. Through the use of new technology these valves retain the reliability and competitiveness of brass, but are comparable to bronze in corrosion resistance. Be kind with yourself, make sure the valve that brings you pure fresh water is an ***RuB*** DZR valve.

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 DZR brass ball for longer life
- Handle stops on body to avoid stress at stem

BODY

- Hot forged sand blasted DZR unplated body and cap sealed with Loctite® or equivalent thread sealant
- Dezincification resistant ADZ-T and ADZ-P brass approved to SBN- PFS 1983:2 and NR- BFS 1988:18 specifications

STEM

- Maintenance-free, double FPM O-rings at the stem for maximum safety

SEALING

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

CONNECTIONS

- Solder ends to NS1759 and ISO 2016

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
- **WARNING:** do not exceed reasonable temperature and/or electrical load

WORKING PRESSURE & TEMPERATURE

- 16 bar (230 PSI) non-shock cold working pressure
- -40°C to +170°C (-40°F to +350°F)
- Applicable to valve, not to solder joints
- **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

- 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 25mm

APPROVED BY OR IN COMPLIANCE WITH

- RoHS Compliant (EU)
- GOST-R (Russia)
- Kiwa-Swedcert (Sweden)
- Ri.se. / Boverket (Sweden)

NOTE: approvals apply to specific configurations/sizes only.

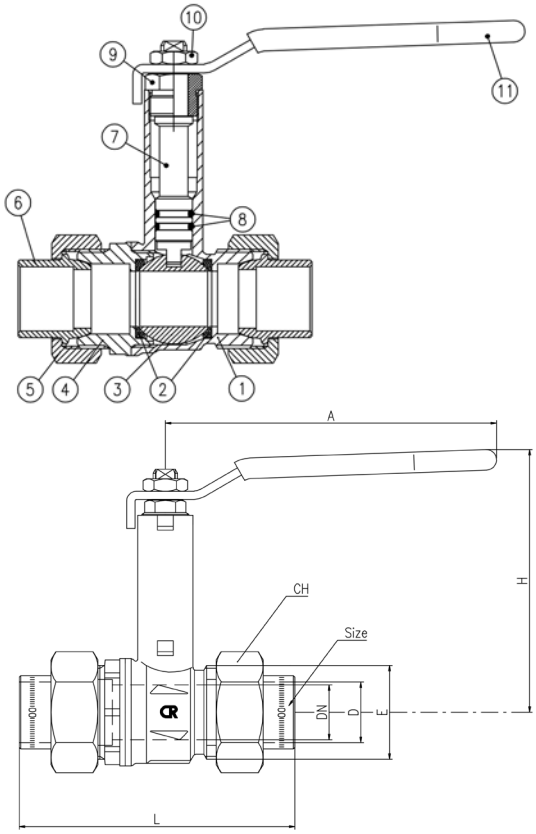
OPTIONS

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

s.21 DZR XCES21 - 5466

DRINKING WATER

	Part description	Q.ty	Material
1	Unplated body	1	CW602N
2	Ball seat	2	PTFE
3	Chrome plated ball	1	CW602N
4	Unplated end-cap	1	CW602N
5	Unplated nut	2	CW617N
6	Unplated solder end hose	2	CC491K
7	Unplated extended stem O-ring design	1	CW602N
8	O-Ring	2	FPM
9	Unplated nut	1	CW617N
10	Geomet® nut	1	C4C (EN10263-2)
11	White PVC coated Geomet® steel handle	1	DD11 (EN10111)

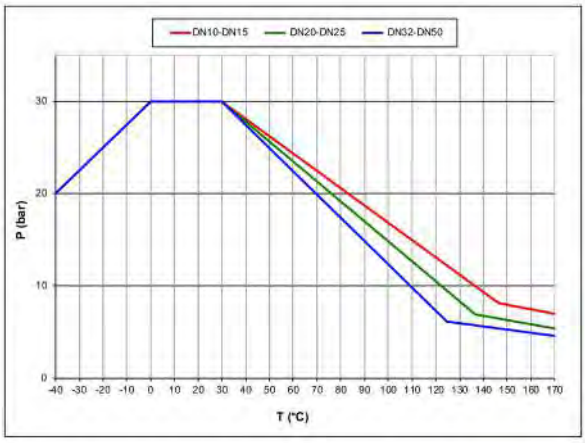


Hollow ball for D 35-42-54

Code	S21C12W	S21D15W	S21E18W	S21E22W	S21F28W	S21G35W	S21H42W	S21I54W
D (mm)	12	15	18	22	28	35	42	54
E (mm)	M22x1.5	M26x1.5	M34x1.5	M34x1.5	M40x2	M50x2	M55x2	M70x2
DN (mm)	10	15R	16R	20R	25R	32R	40R	50R
L (mm)	80	90	100	100	115	129	143	161
A (mm)	100	100	120	120	120	158	158	158
H (mm)	85	88	95	95	99	124	130	137
CH (mm)	26	30	38	38	46	55	62	78
Kv (m^3/h)	9.6	28	42	42	70	80	125	179

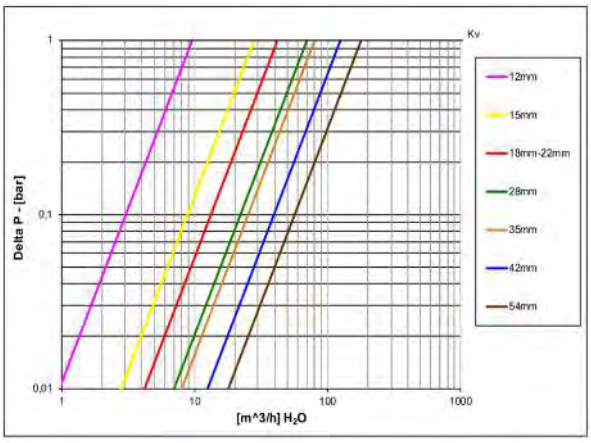
DN shows the nominal flow diameter.

PRESSURE-TEMPERATURE CHART



The given data of the pressure-temperature chart refer to the valve body

PRESSURE DROP CHART



s.24 DZR press ends

15 - 54 mm
dezincification-resistant

Time is of essence and valve technology has progressed to save time and ease on-site installation. ***RuB*** s.24 DZR with press ends combines first class features of our s.24 which have been optimized through years of field experience and innovative press fittings which can be pressed with all pressing jaws and tools provided for metal connections type M and V.

Be kind with yourself, make sure the valve that brings you pure fresh water is an ***RuB*** DZR ball valve. Press-end couplings are made of bronze, a material well known for its suitability to the press operation. Each coupling assembly is seal tested at the plant.

QUALITY
- 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
- Handle stops on body to avoid stress at stem
- Chrome plated DZR brass ball for longer life

BODY
- Hot forged sand blasted DZR unplated body and cap sealed with Loctite® or equivalent threads sealant
- Dezincification resistant ADZ-T and ADZ-P brass approved to SBN-PFS 1983:2 and NR-BFS 1988:18 specifications

STEM
- Maintenance-free, double FPM O-rings at the stem for maximum safety
- Blowout-proof unplated DZR brass stem

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

CONNECTIONS
- Press ends connections to EN 1254-4 approved by DVGW

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
- **WARNING:** do not exceed reasonable temperature and/or electrical load

WORKING PRESSURE & TEMPERATURE
- 16 bar (230 PSI) non-shock cold working pressure
- -20°C to +120°C (-4°F to +250°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
- 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 25mm

APPROVED BY OR IN COMPLIANCE WITH
- RoHS Compliant (EU)
- GOST-R (Russia)

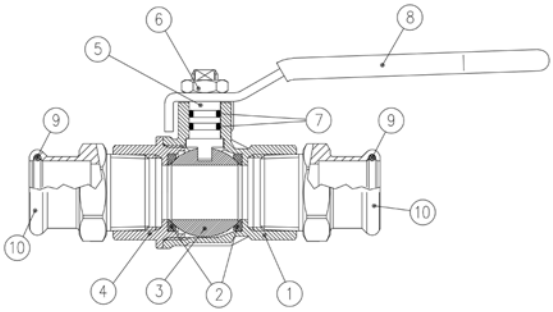
NOTE: approvals apply to specific configurations/sizes only.

OPTIONS
- Oval lockable handle 1
- Patented locking device 2
- Stainless steel handle (1.4016 / AISI 430) 3
- ***RuB*** memory stop designed to be installed with our stubby handle
- T-handle 4
- CW617N brass body and components 5
- Brass stem extension 5
- Stubby handle

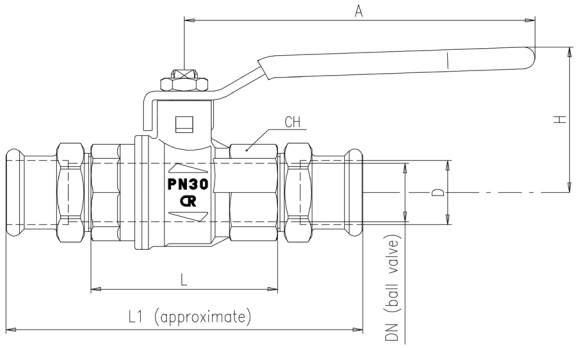
s.24 DZR PRESS ENDS XCES24C - 5466

DRINKING WATER

	Part description	Q.ty	Material
1	Unplated body	1	CW602N
2	Ball seat	2	PTFE
3	Chrome plated ball	1	CW602N
4	Unplated end-cap	1	CW602N
5	Unplated stem O-ring design	1	CW602N
6	Geomet® nut	1	CB4FF (EN10263-2)
7	O-Ring	2	FPM
8	White PVC coated Geomet® steel handle	1	DD11 (EN10111)
9	O-Ring	2	EPDM
10	Unplated press end connection	2	CW724R



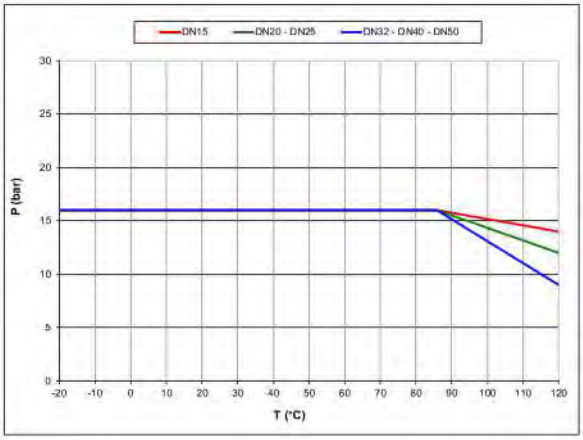
35-54 mm hollow ball



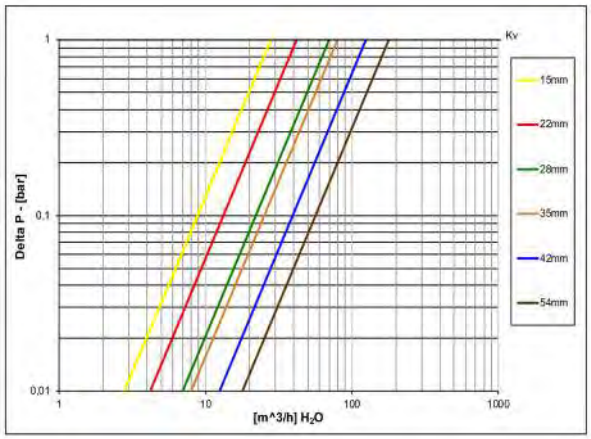
Code	S24DC15	S24EC22	S24FC28	S24GC35	S24HC42	S24IC54
D (mm)	15	22	28	35	42	54
DN (mm)	15	20	25	32	40	50
L (mm)	59	64	81	93	102	121
L1 (mm)	118	123	146	164	187	220
A (mm)	100	120	120	158	158	158
H (mm)	43	50	54	73	79	86
CH (mm)	25	31	40	49	54	68,5
Kv (m3/h)	28	42	70	80	125	179

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

PRESSURE-TEMPERATURE CHART



PRESSURE DROP CHART



s.24 DZR

Female/Female
1/2" - 4"
EN 10226-1, dezincification-resistant

Several governmental authorities recommend use of special alloys for valves handling water in areas where there is a problem of dezincification.

RuB DZR valves are designed to meet such requirements.

Through the use of new technology these valves retain the reliability and competitiveness of brass, but are comparable to bronze in corrosion resistance.

Be kind with yourself, make sure the valve that brings you pure fresh water is an ***RuB*** DZR valve.

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 DZR brass ball for longer life
- Handle stops on body to avoid stress at stem

BODY
- Hot forged sand blasted DZR unplated body and cap sealed with Loctite® or equivalent thread sealant
- Dezincification resistant ADZ-T and ADZ-P brass approved to SBN-PFS 1983:2 and NR-BFS 1988:18 specifications

STEM
- Maintenance-free, double FPM O-rings at the stem for maximum safety
- Blowout-proof unplated DZR brass stem

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

THREADS
- EN 10226-1, 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
- **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
- Crimp/press end connections
- 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
- RoHS Compliant (EU)
- GOST-R (Russia)
- KIWA Regulation 4 a.k.a. KUKreg4 (United Kingdom)
- EAC – Declaration of conformity (Russia, Kazakhstan, Belarus)
- Water Regulations Advisory Scheme (United Kingdom)

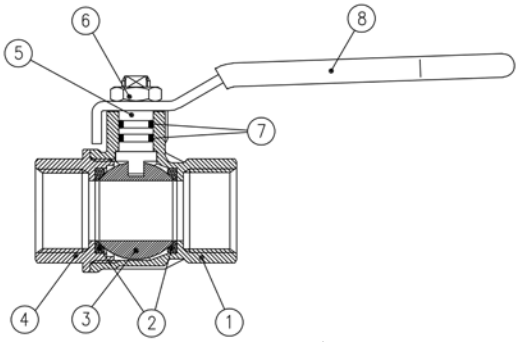
- **NOTE:** approvals apply to specific configurations/sizes only.

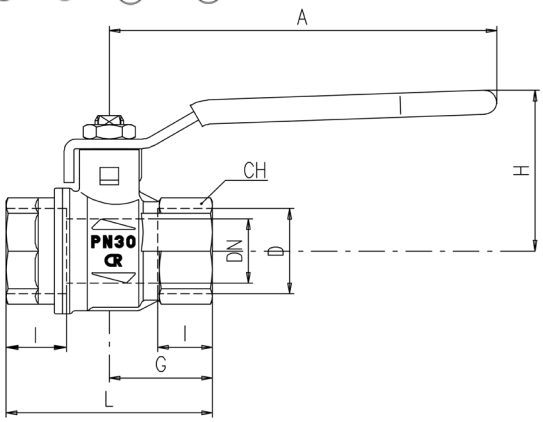
OPTIONS
- Oval lockable handle up to 2", round over 2" 1
- Patented locking device 2
- Stainless steel handle (1.4016 / AISI 430) 3
- ***RuB*** memory stop designed to be installed with our stubby handle
- T-handle 4
- CW617N brass body and components 5
- Brass stem extension 5
- Stubby handle up to 2"

s.24 DZR XCES24 - 5466

DRINKING WATER

	Part description	Q.ty	Material
1	Unplated body	1	CW602N
2	Ball seat	2	PTFE
3	Chrome plated ball	1	CW602N
4	Unplated end-cap	1	CW602N
5	Unplated stem O-ring design	1	CW602N
6	Geomet® nut	1	C4C (EN10263-2)
7	O-Ring	2	FPM
8	White PVC coated Geomet® steel handle	1	DD11 (EN10111)



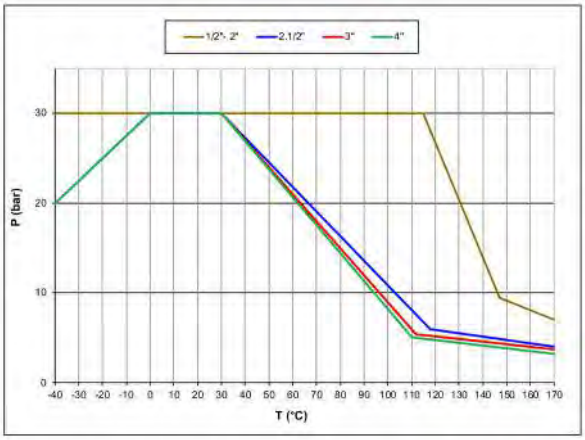


1 ¼"-2" hollow ball

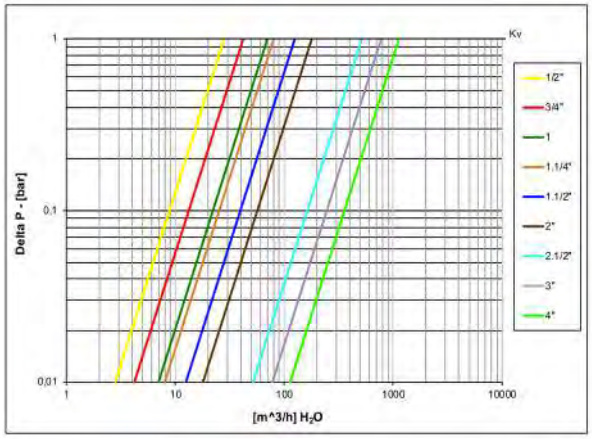
Code	S24D00	S24E00	S24F00	S24G00	S24H00	S24I00	S24L00	S24M00	S24N00
D (inch)	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
DN (mm)	15	20	25	32	40	50	65	80	100
I (mm)	15.5	17	21	23	23	26.5	32	35	41.5
L (mm)	59	64	81	93	102	121	156	177	216
G (mm)	29.5	32	40.5	46.5	51	60.5	78	88.5	108
A (mm)	100	120	120	158	158	158	255	255	255
H (mm)	43	50	54	73	79	86	132	140	154
CH (mm)	25	31	40	49	54	68.5	85	99	125
Kv (m^3/h)	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 ¼" to 2", on body over 2" as follow: CE XXCODEXX Cat. I-A

PRESSURE-TEMPERATURE CHART



PRESSURE DROP CHART



s.26 DZR

Female/Female
3/8" - 2"
ISO 228, for insulation, dezincification-resistant

Several governmental authorities recommend use of special alloys for valves handling water in areas where there is a problem of dezincification.

RuB DZR valves are designed to meet such requirements. Through the use of new technology these valves retain the reliability and competitiveness of brass, but are comparable to bronze in corrosion resistance.

Be kind with yourself, make sure the valve that brings you pure fresh water is an ***RuB*** DZR valve.

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 DZR brass ball for longer life
- Handle stops on body to avoid stress at stem

BODY
- Hot forged sand blasted DZR unplated body and cap sealed with Loctite® or equivalent thread sealant
- Dezincification resistant ADZ-T and ADZ-P brass approved to SBN-PFS 1983:2 and NR-BFS 1988:18 specifications
- Extended stem forged in one piece with body allows perfect sealing and easy operation when valve is isolated

STEM
- Maintenance-free, double FPM O-rings at the stem for maximum safety
- Unplated DZR brass stem

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

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

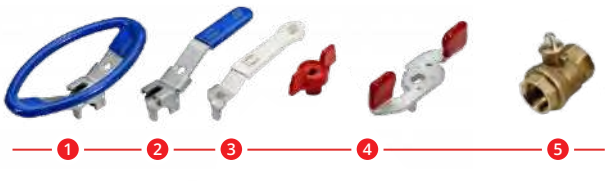
UPON REQUEST
- CW617N brass body and components
- Stainless steel ball (1.4401 / AISI 316)
- Glass filled PTFE seals
- Custom design
- Male by female threads

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)
- GOST-R (Russia)
- EAC – Declaration of conformity (Russia, Kazakhstan, Belarus)

NOTE: approvals apply to specific configurations/sizes only.

OPTIONS
- Oval lockable handle 1
- Patented locking device 2
- Stainless steel handle (1.4016 / AISI 430) 3
- ***RuB*** memory stop designed to be installed with our stubby handle
- T-handle 4
- Short stem design 5
- Stubby handle



DRINKING WATER

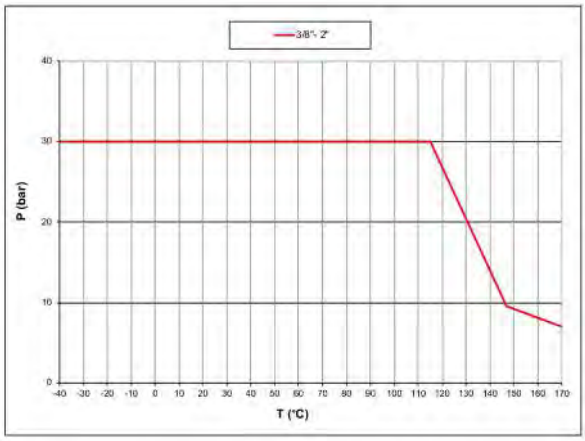
	Part description	Q.ty	Material
1	Unplated body	1	CW602N
2	Ball seat	2	PTFE
3	Chrome plated ball	1	CW602N
4	Unplated end-cap	1	CW602N
5	Unplated extended stem O-ring design	1	CW602N
6	O-Ring	2	FPM
7	Unplated nut	1	CW617N
8	Geomet® nut	1	C4C EN10263-2)
9	White PVC coated Geomet® steel handle	1	DD11 EN10111)

1 ¼"-2" hollow ball

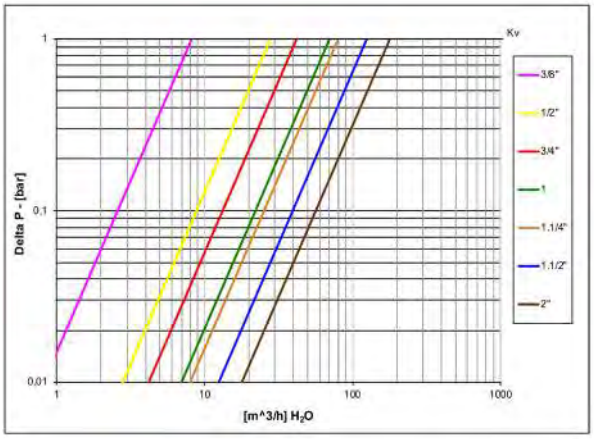
Code	S26B00	S26C00	S26D00	S26E00	S26F00	S26G00	S26H00	S26I00
D (inch)	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
DN (mm)	8	10	15	20	25	32	40	50
I (mm)	9	9	11	12	14	15	17	19
L (mm)	39	39	50	54	67	77	90	106
G (mm)	19.5	19.5	25	27	33.5	38.5	45	53
A (mm)	100	100	100	120	120	158	158	158
H (mm)	85	85	88	95	99	124	130	137
CH (mm)	20	20	25	31	38	48	54	66
Kv (m3/h)	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.

PRESSURE-TEMPERATURE CHART



PRESSURE DROP CHART



s.28 DZR

12 - 54 mm compression ends dezincification-resistant

Several governmental authorities recommend use of special alloys for valves handling water in areas where there is a problem of dezincification.

RuB DZR valves are designed to meet such requirements. Through the use of new technology these valves retain the reliability and competitiveness of brass, but are comparable to bronze in corrosion resistance.

Be kind with yourself, make sure the valve that brings you pure fresh water is an ***RuB*** DZR valve.

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
- Handle stops on body to avoid stress at stem
- Chrome plated DZR brass ball for longer life

BODY

- Hot forged sand blasted DZR unplated body and cap sealed with Loctite® or equivalent thread sealant
- Dezincification resistant ADZ-T and ADZ-P brass approved to SBN- PFS 1983:2 and NR-BFS 1988:18 specifications

STEM

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

SEALING

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

CONNECTIONS

- Compression ends to EN 1254-2 and NKB no.12

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
- **WARNING:** do not exceed reasonable temperature and/or electrical load

WORKING PRESSURE & TEMPERATURE

- 16 bar (230 PSI) non-shock cold working pressure
- -20°C to +120°C (-4°F to +250°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

- 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 25mm

APPROVED BY OR IN COMPLIANCE WITH

- RoHS Compliant (EU)
- GOST-R (Russia)
- KIWA Regulation 4 a.k.a. KUKreg4 (United Kingdom) for sizes 12mm through 35mm
- Kiwa-Swedcert (Sweden)
- Ri.se. / Boverket (Sweden)
- Water Regulations Advisory Scheme (United Kingdom) for sizes 12mm through 35mm

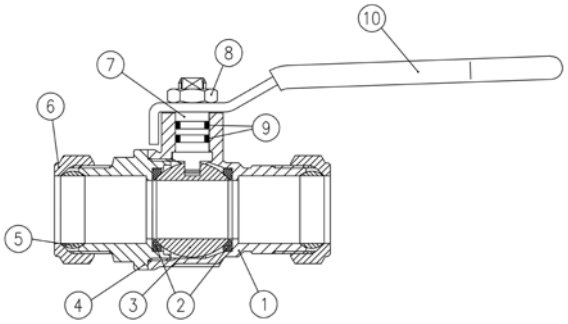
NOTE: approvals apply to specific configurations/sizes only.

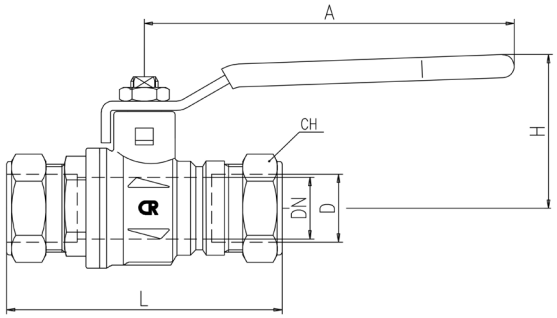
OPTIONS

- Oval lockable handle 1
- Patented locking device 2
- Stainless steel handle (1.4016 / AISI 430) 3
- ***RuB*** memory stop designed to be installed with our stubby handle
- T-handle 4
- Compression ends with extended stem for insulation 5
- Brass stem extension 5
- Stubby handle

DRINKING WATER

	Part description	Q.ty	Material
1	Unplated body	1	CW602N
2	Ball seat	2	PTFE
3	Chrome plated ball	1	CW602N
4	Unplated end-cap	1	CW602N
5	Olive	2	CW603N - CW508L - CW602N
6	Unplated nut	2	CW617N
7	Unplated stem O-ring design	1	CW602N
8	Geomet® nut	1	C4C (EN10263-2)
9	O-Ring	2	FPM
10	White PVC coated Geomet® steel handle	1	DD11 (EN10111)



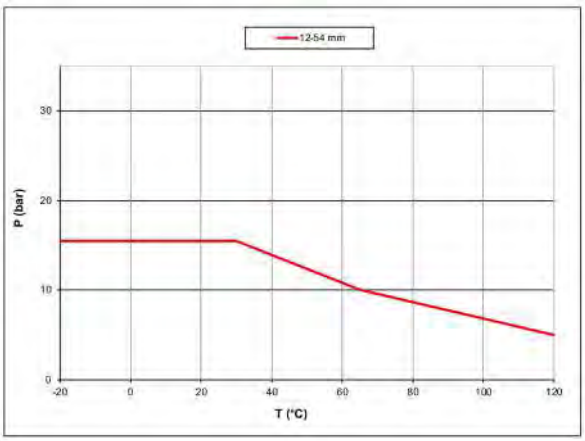


Hollow ball for D 35-42-54

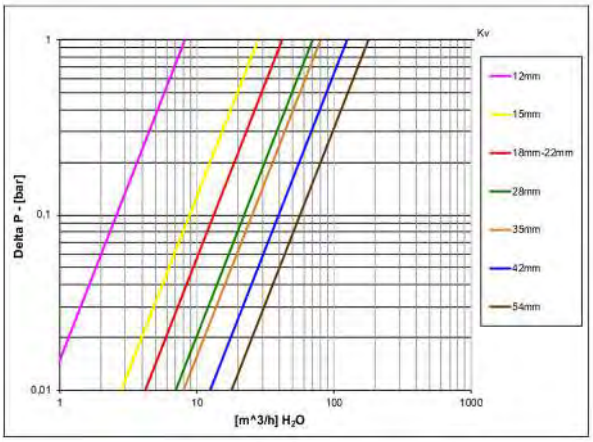
Code	S28C12	S28D15	S28D18	S28E22	S28F28	S28G35	S28H42	S28I54
D (mm)	12	15	18	22	28	35	42	54
DN (mm)	10	15R	20R	20R	25R	32R	40R	50R
L (mm)	67	72	78.5	79	90.5	110	128.5	142
A (mm)	100	100	100	120	120	158	158	158
H (mm)	38	43	43	50	54	73	79	86
CH (mm)	19	24	27	32	38.5	48	54	70
Kv (m^3/h)	8.2	28	28	42	70	80	125	179

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

PRESSURE-TEMPERATURE CHART



PRESSURE DROP CHART



s.30 DZR

12 - 54 mm compression ends for insulation dezincification-resistant

Several governmental authorities recommend use of special alloys for valves handling water in areas where there is a problem of dezincification.

RuB DZR valves are designed to meet such requirements. Through the use of new technology these valves retain the reliability and competitiveness of brass, but are comparable to bronze in corrosion resistance.

Be kind with yourself, make sure the valve that brings you pure fresh water is an ***RuB*** DZR valve.

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
- Handle stops on body to avoid stress at stem
- Chrome plated DZR brass ball for longer life

BODY

- Hot forged sand blasted DZR unplated body and cap sealed with Loctite® or equivalent thread sealant
- Dezincification resistant ADZ-T and ADZ-P brass approved to SBN-PFS 1983:2 and NR-BFS 1988:18 specifications
- Extended stem forged in one piece with body allows perfect sealing and easy operation when valve is isolated

STEM

- Maintenance-free, double FPM O-rings at the stem for maximum safety
- Unplated DZR brass stem

SEALING

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

CONNECTIONS

- Compression ends to EN 1254-2 and NKB no.12

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
- **WARNING:** do not exceed reasonable temperature and/or electrical load

WORKING PRESSURE & TEMPERATURE

- 16 bar (230 PSI) non-shock cold working pressure
- -20°C to +120°C (-4°F to +250°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

- The product described in this document meets the requirements of the 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

- RoHS Compliant (EU)
- GOST-R (Russia)
- Kiwa-Swedcert (Sweden)
- Ri.se. / Boverket (Sweden)

NOTE: approvals apply to specific configurations/sizes only.

OPTIONS

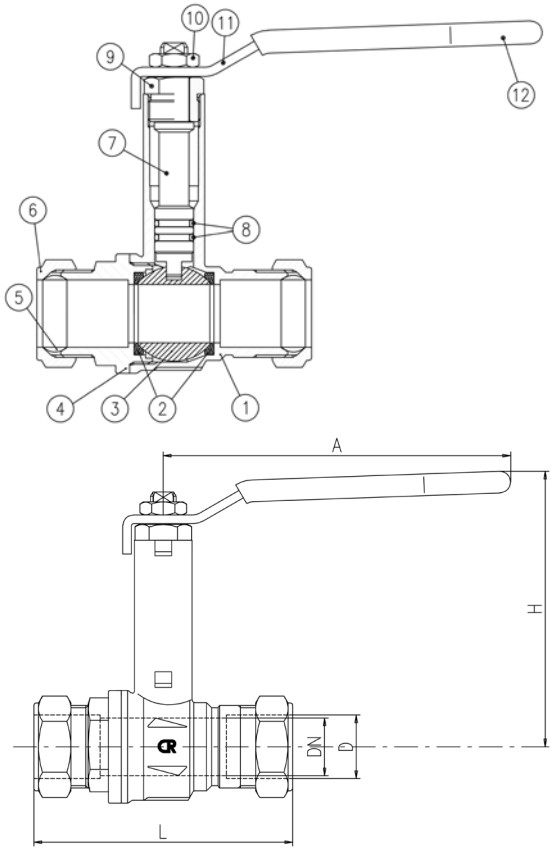
- Oval lockable handle 1
- Patented locking device 2
- Stainless steel handle (1.4016 / AISI 430) 3
- T-handle 4
- ***RuB*** memory stop designed to be installed with our stubby handle
- Short stem design 5
- Stubby handle

s.30 DZR XCES30 - 5466

DRINKING WATER

	Part description	Q.ty	Material
1	Unplated body	1	CW602N
2	Ball seat	2	PTFE
3	Chrome plated ball	1	CW602N
4	Unplated end-cap	1	CW602N
5	Olive	2	CW603N - CW508L - CW602N
6	Unplated nut	2	CW617N
7	Unplated extended stem O-ring design	1	CW602N
8	O-Ring	2	FPM
9	Unplated nut	1	CW617N
10	Geomet® nut	1	C4C (EN10263-2)
11	White PVC coated Geomet® steel handle	1	DD11 (EN10111)

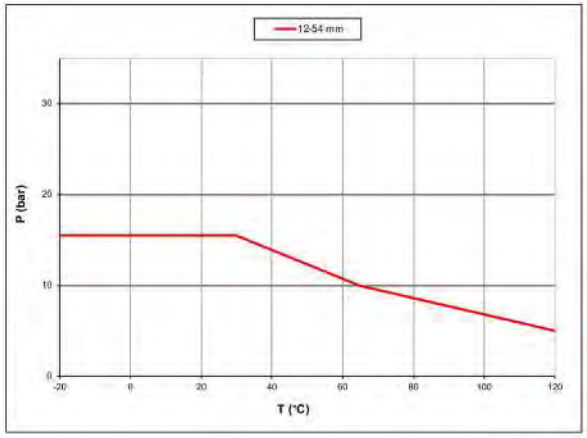
Hollow ball for D 35-42-54



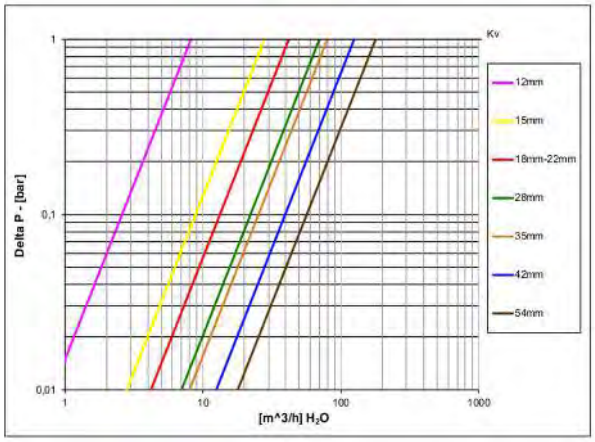
Code	S30C12	S30D15	S30D18	S30E22	S30F28	S30G35	S30H42	S30I54
D (mm)	12	15	18	22	28	35	42	54
DN (mm)	10	15R	15R	20R	25R	32R	40R	50R
L (mm)	67	72	78.5	79	90.5	110	128.5	142
A (mm)	100	100	100	120	120	158	158	158
H (mm)	85	88	88	95	99	124	130	137
CH (mm)	19	24	27	32	38.5	48	54	70
Kv (m^3/h)	8.2	28	28	42	70	80	125	179

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

PRESSURE-TEMPERATURE CHART



PRESSURE DROP CHART



s.84 W

Female/Female
1/4" - 2"
EN 10226-1

Legionella is a bacterium that lives and proliferates in natural and artificial aquatic environments at temperatures ranging between 5.7°C and 55°C and standing up to acidic and alkaline environments. New s.84W is approved for use with drinking water; the specific ball design avoids water stagnation and the spread of bacteria in the system.

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
- Handle stops on body to avoid stress at stem
- Chrome plated brass ball with rinse hole

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 EPDM O-rings at the stem for maximum safety

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

THREADS
- EN 10226-1, 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
- **WARNING:** do not exceed reasonable temperature and/or electrical load

WORKING PRESSURE & TEMPERATURE
- 40 bar (600 PSI) non-shock cold working pressure
- DIN-EN 13828 limitations for potable water: 10 bar (Kg/cm^2) non- shock cold working pressure and +65°C temperature (occasional excursions up to 90°C are permitted for a period of 1 h maximum)
- -40°C to +150°C (-40°F to +302°F)
- **WARNING:** freezing of the fluid in the installation may severely damage the valve

UPON REQUEST
- Glass filled PTFE seals
- Stainless steel handle (1.4016 / AISI 430)
- Special configuration for industrial oxygen application
- 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
- RoHS Compliant (EU)
- GOST-R (Russia)
- DVGW (Germany)
- EAC – Declaration of conformity (Russia, Kazakhstan, Belarus)
- Water Regulations Advisory Scheme (United Kingdom)
- Attestation de Conformité Sanitaire (France)

NOTE: approvals apply to specific configurations/sizes only.

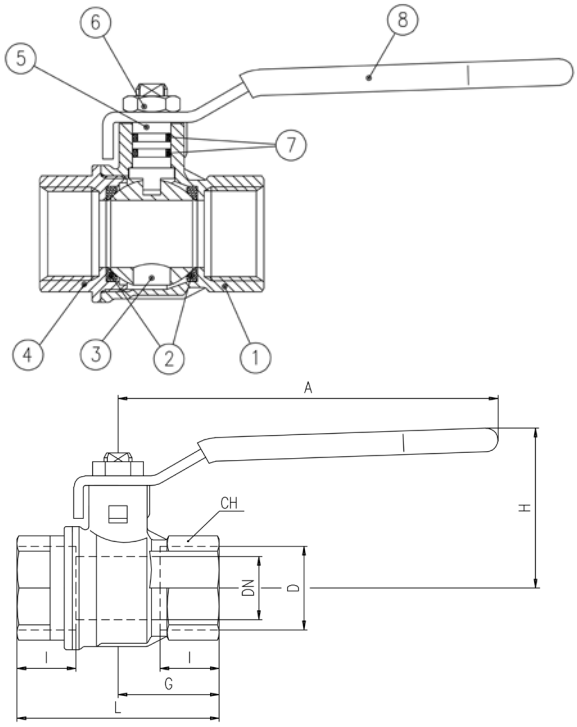
OPTIONS
- Patented locking device 1
- T-handle 2
- Stubby handle
- Stem extension
- ***RuB*** memory stop designed to be installed with our stubby handle

s.84 W XCES84W - 5647

DRINKING WATER

	Part description	Q.ty	Material
1	Nickel plated body (external treatment)	1	CW617N
2	Seat	2	PTFE
3	Chrome plated ball with rinse hole (rinse hole on sizes from 3/4" up to 2")	1	CW617N
4	Nickel plated end-cap (external treatment)	1	CW617N
5	Nickel plated stem O-ring design	1	CW617N
6	Geomet® nut	1	C4C (EN10263-2)
7	O-Ring	2	EPDM
8	Green PVC coated Geomet® steel handle	1	DD11 (EN10111)

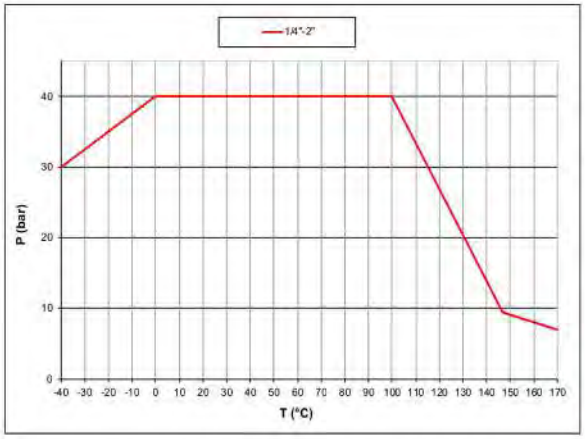
1 ¼" to 2" hollow ball



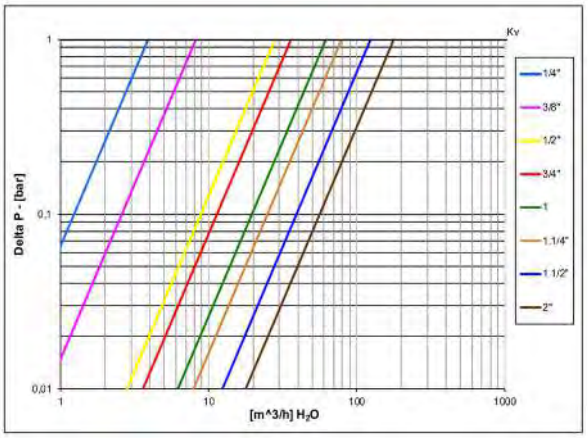
Code	S84B00W	S84C00W	S84D00W	S84E00W	S84F00W	S84G00W	S84H00W	S84I00W
D (inch)	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
DN(mm)	8	10	15	20	25	32	40	50
I (mm)	12	12	15,5	17	21	23	23	26,5
L (mm)	45	45	59	64	81	93	102	121
G (mm)	22,5	22,5	29,5	32	40,5	46,5	51	60,5
A (mm)	82	82	100	120	120	158	158	158
H (mm)	38	38	43	50	54	73	79	86
CH (mm)	17	20	25	31	40	49	54	68,5
Kv(m3/h)	3,9	8,2	28	36	62	79	124	178

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 ¼" to 2" as follow: CE XXCODEXX Cat I-A

PRESSURE-TEMPERATURE CHART



PRESSURE DROP CHART



s.84 W M/F

Male/Female
1/4" - 2"
EN 10226-1

Legionella is a bacterium that lives and proliferates in natural and artificial aquatic environments at temperatures ranging between 5.7°C and 55°C and standing up to acidic and alkaline environments. New s.84W is approved for use with drinking water; the specific ball design avoids water stagnation and the spread of bacteria in the system.

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
- Handle stops on body to avoid stress at stem
- Chrome plated brass ball with rinse hole

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 EPDM O-rings at the stem for maximum safety

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

THREADS
- EN 10226-1, ISO 228 parallel female thread by EN10226-1, ISO7/1 taper male thread

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
- **WARNING:** do not exceed reasonable temperature and/or electrical load

WORKING PRESSURE & TEMPERATURE
- 40 bar (600 PSI) non-shock cold working pressure
- DIN-EN 13828 limitations for potable water: 10 bar (Kg/cm^2) non- shock cold working pressure and +65°C temperature (occasional excursions up to 90°C are permitted for a period of 1 h maximum)
- -40°C to +150°C (-40°F to +302°F)
- **WARNING:** freezing of the fluid in the installation may severely damage the valve

UPON REQUEST
- Glass filled PTFE seals
- Stainless steel handle (1.4016 / AISI 430)
- Special configuration for industrial oxygen application
- 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
- RoHS Compliant (EU)
- GOST-R (Russia)
- DVGW (Germany)
- EAC – Declaration of conformity (Russia, Kazakhstan, Belarus)
- Water Regulations Advisory Scheme (United Kingdom)
- Attestation de Conformité Sanitaire (France)

NOTE: approvals apply to specific configurations/sizes only.

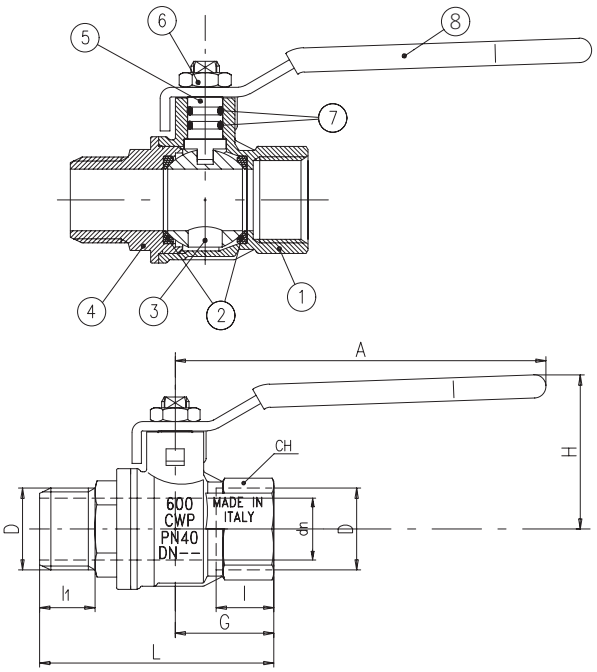
OPTIONS
- Patented locking device 1
- T-handle 2
- Stubby handle
- Stem extension
- ***RuB*** memory stop designed to be installed with our stubby handle

s.84 W MF XCES84WM - 5647

DRINKING WATER

	Part description	Q.ty	Material
1	Nickel plated body (external treatment)	1	CW617N
2	Seat	2	PTFE
3	Chrome plated ball with rinse hole (rinse hole on sizes from 3/4" up to 2")	1	CW617N
4	Nickel plated end-cap (external treatment)	1	CW617N
5	Nickel plated stem O-ring design	1	CW617N
6	Geomet® nut	1	C4C (EN10263-2)
7	O-Ring	2	EPDM
8	Green PVC coated Geomet® steel handle	1	DD11 (EN10111)

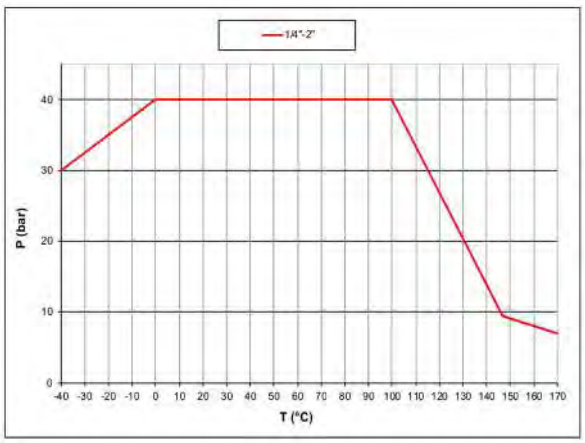
1 ¼" to 2" hollow ball



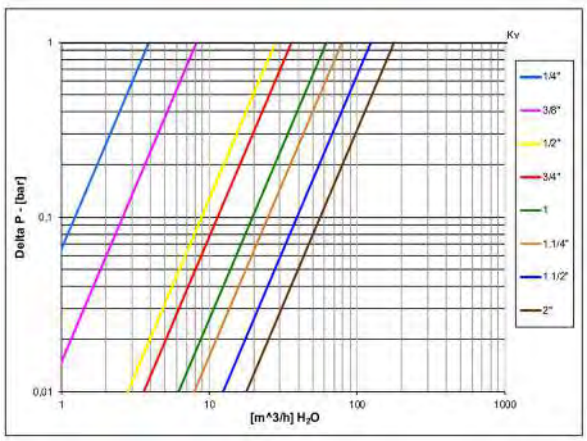
Code	S84B20W	S84C20W	S84D20W	S84E20W	S84F20W	S84G20W	S84H20W	S84I20W
D (inch)	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
DN (mm)	8	10	15	20	25	32	40	50
I (mm)	12	12	15.5	17	21	23	23	26.5
I1 (mm)	13.5	13.5	16.5	18	22	24	24	27.5
L (mm)	56.5	56.5	70	76.5	92.5	106	113	133
G (mm)	22.5	22.5	29.5	32	40.5	46.5	51	60.5
A (mm)	82	82	100	120	120	158	158	158
H (mm)	38	38	43	50	54	73	79	86
CH (mm)	17	20	25	31	40	49	54	68.5
Kv (m3/h)	3.9	8.2	28	36	62	79	124	178

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 ¼" to 2" as follow: CE XXCODEXX Cat I-A

PRESSURE-TEMPERATURE CHART



PRESSURE DROP CHART



s.84W M/F

Male/Female
3/4”
for flat gasket

Legionella is a bacterium that lives and proliferates in natural and artificial aquatic environments at temperatures ranging between 5.7°C and 55°C and standing up to acidic and alkaline environments.
New s.84AW is approved for use with drinking water; the specific ball design avoids water stagnation and the spread of bacteria in the system.

QUALITY
- 24h 100% seal test guaranteed
- Dual sealing system allows valve to be operated in either direction making installation easier
- The valve is provided with a flat sealing surface at male thread that offers an improved performance compared to conventional connections; a wider seal surface guarantees higher sealing, reliable over time
- No metal-to-metal moving parts
- No maintenance ever required
- T-handle clearly shows ball position
- Silicone-free lubricant on all seals
- Handle stops on body to avoid stress at stem
- Chrome plated brass ball with rinse hole

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 EPDM O-rings at the stem for maximum safety

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

THREADS
- EN 10226-1, ISO228 parallel female by ISO228 male threads

FLOW
- Full port to DIN 3357 for maximum flow

HANDLE
- Aluminum T-handle enameled green or red
- T-handle removable with valve in service
- **WARNING:** do not exceed reasonable temperature and/or electrical load

WORKING PRESSURE & TEMPERATURE
- 40 bar (600 PSI) non-shock cold working pressure
- DIN-EN 13828 limitations for potable water: 10 bar (Kg/cm^2) non-shock cold working pressure and +65°C temperature (occasional excursions up to 90°C are permitted for a period of 1 h maximum)
- -40°C to +150°C (-40°F to +302°F)
- **WARNING:** freezing of the fluid in the installation may severely damage the valve

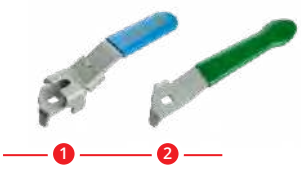
UPON REQUEST
- Stem extension
- Stainless steel ball (1.4401 / AISI 316)
- Glass filled PTFE seals
- Custom design

PED DIRECTIVE
- The product meets the requirements of PED Directive 2014/68/UE and according to art.4 par.3, it does not require CE marking

APPROVED BY OR IN COMPLIANCE WITH
- RoHS Compliant (EU)
- GOST-R (Russia)
- DVGW (Germany)
- EAC – Declaration of conformity (Russia, Kazakhstan, Belarus)
- Attestation de Conformité Sanitaire (France)

NOTE: approvals apply to specific configurations/sizes only

OPTIONS
- Patented locking device 1
- Geomet® carbon steel handle with thick PVC dip coating. Handle coating offers both thermal and electrical protection 2
- Stubby handle
- ***RuB*** memory stop designed to be installed with our stubby handle

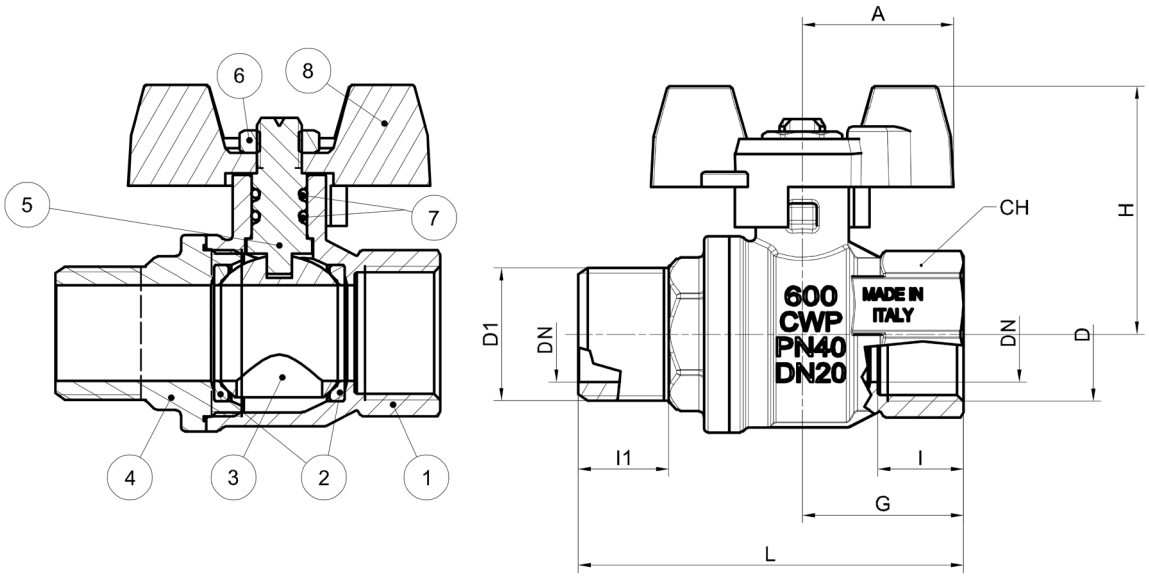


s.84 W MF FLAT GASKET XCES84AW - 5466

DRINKING WATER

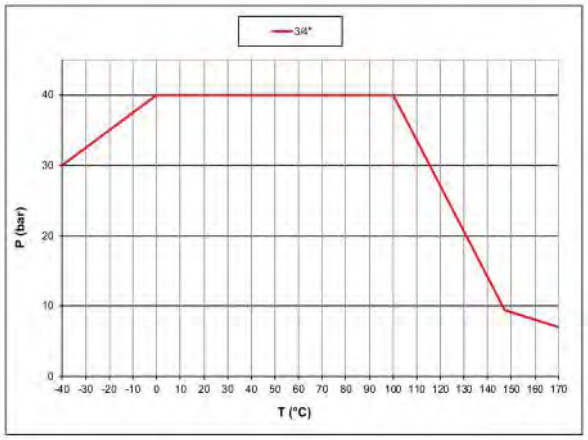
	Part description	Q.ty	Material
1	Nickel plated body (external nickel plated, unplated inside)	1	CW617N
2	Seat	2	PTFE
3	Chrome plated ball with rinse hole	1	CW617N
4	Nickel plated male end-cap (external nickel plated, unplated inside)	1	CW617N
5	Nickel plated stem O-ring design	1	CW617N
6	Geomet® nut	1	C4C (EN10263-2)
7	O-Ring	2	EPDM
8	Green or red T-handle	1	EN AC-46100

Code	S84E26AW	S84E26AWR
D (inch)	Rp 3/4" (EN10226 - ISO228)	Rp 3/4" (EN10226 - ISO228)
D1 (inch)	G3/4" B (ISO228)	G3/4" B (ISO228)
DN (mm)	19	19
I (mm)	17	17
I1 (mm)	18	18
L (mm)	76,5	76,5
G (mm)	32	32
A (mm)	30	30
H (mm)	49	49
CH (mm)	31	31
T-handle	Green	Red
Kv (m3/h)	36	36

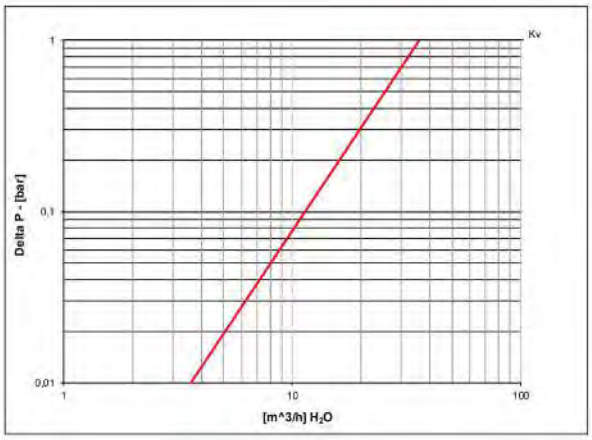


DN shows the nominal flow diameter. Actual flow diameter complies with full port DIN 3357 part 4.

PRESSURE-TEMPERATURE CHART



PRESSURE DROP CHART



s.090

Female/Female
1/4" - 2"
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, two O-rings at the stem (EPDM + FPM) 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) 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

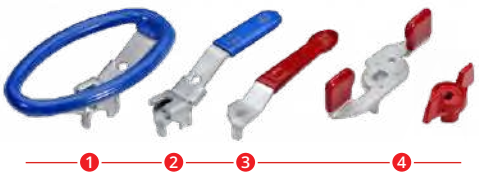
UPON REQUEST
- Stainless steel ball (1.4401 / AISI 316)
- Glass filled PTFE seals
- Custom design

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

APPROVED BY OR IN COMPLIANCE WITH
- Water Regulations Advisory Scheme (United Kingdom)
- GOST-R (Russia)
- EAC – Declaration of conformity (Russia, Kazakhstan, Belarus)
- RoHS Compliant (EU)
- Attestation de Conformité Sanitaire (France)

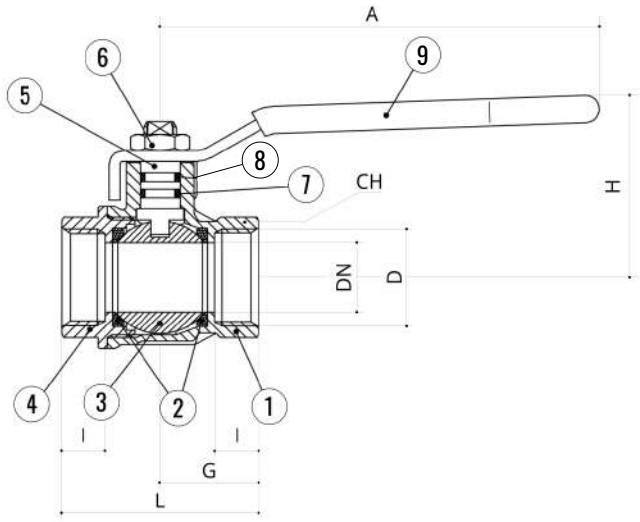
NOTE: approvals apply to specific configurations/sizes only.

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



DRINKING WATER

	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
8	O-ring	1	FPM
9	Red PVC coated Geomet® steel handle	1	DD11 (EN10111)

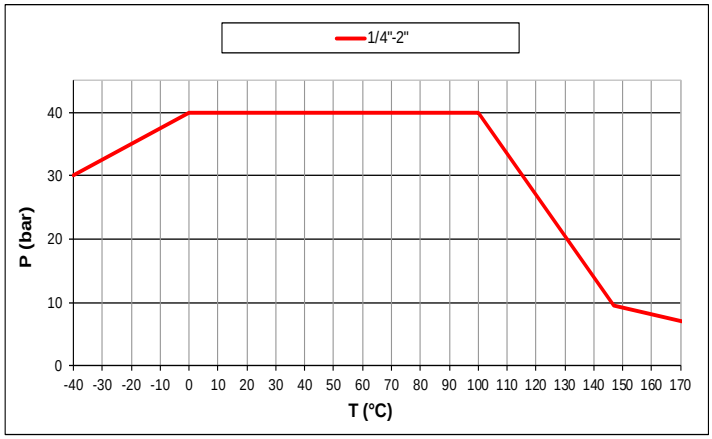


1 ¼"-2" hollow ball

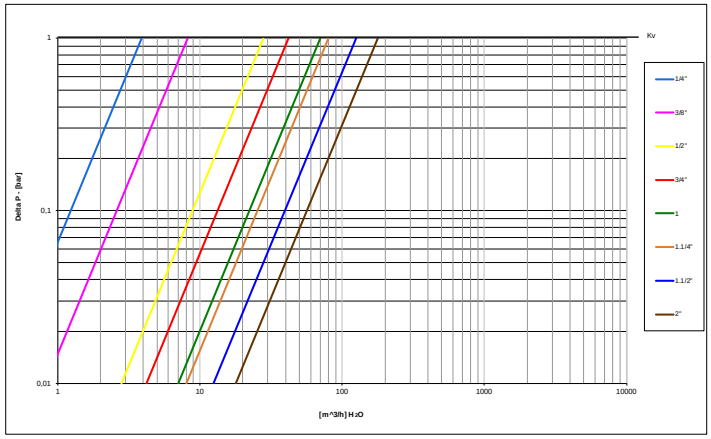
Code	S090B00	S090C00	S090D00	S090E00	S090F00	S090G00	S090H00	S090I00
D (Size)	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
DN (mm)	8	10	15	20	25	32	40	50
I (mm)	9	9	11	12	14	15	17	19
L (mm)	39	39	50	54	67	77	90	106
G (mm)	19,5	19,5	25	27	33,5	38,5	45	53
A (mm)	82	82	100	120	120	158	158	158
H (mm)	38	38	43	50	54	73	79	86
CH (mm)	17	20	25	31	38	48	54	66
Kv (m^3/h)	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 ¼" to 2", as follow:
CE XXCODEXX Cat I-A

PRESSURE-TEMPERATURE CHART



PRESSURE DROP CHART



s.090 M/F

Male/Female
1/4" - 2"
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, two O-rings at the stem (EPDM + FPM) for maximum safety

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

THREADS
- ISO 228 parallel male 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) 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

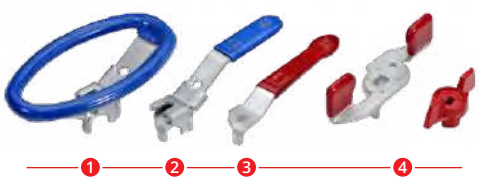
UPON REQUEST
- Stainless steel ball (1.4401 / AISI 316)
- Glass filled PTFE seals
- Custom design

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

APPROVED BY OR IN COMPLIANCE WITH
- Water Regulations Advisory Scheme (United Kingdom)
- GOST-R (Russia)
- EAC – Declaration of conformity (Russia, Kazakhstan, Belarus)
- RoHS Compliant (EU)
- Attestation de Conformité Sanitaire (France)

NOTE: approvals apply to specific configurations/sizes only.

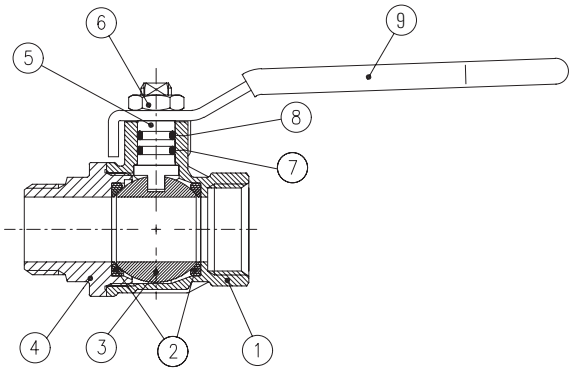
OPTIONS
- Oval lockable handle 1
- Patented locking device 2
- Stainless steel handle (1.4016 / AISI 430) 3
- T-handle 4
- Stem extension
- ***RuB*** memory stop is designed to be installed with our stubby handle
- Stubby handle

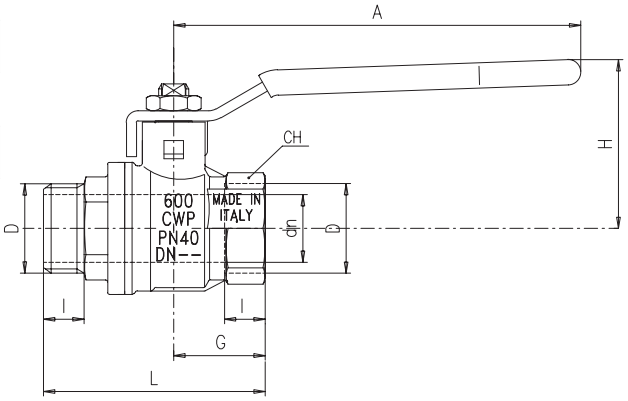


s.090 MF XCE09020 - 0

DRINKING WATER

	Part description	Q.ty	Material
1	Nickel plated body (external nickel plated, unplated inside)	1	CW617N
2	Seat	2	PTFE
3	Chrome plated ball	1	CW617N
4	Nickel plated end-cap (external nickel plated, unplated inside)	1	CW617N
5	Nickel plated stem O-ring design	1	CW617N
6	Geomet® nut	1	C4C (EN10263-2)
7	O-ring	1	EPDM
8	O-ring	1	FPM
9	Red PVC coated Geomet® steel handle	1	DD11 (EN10111)



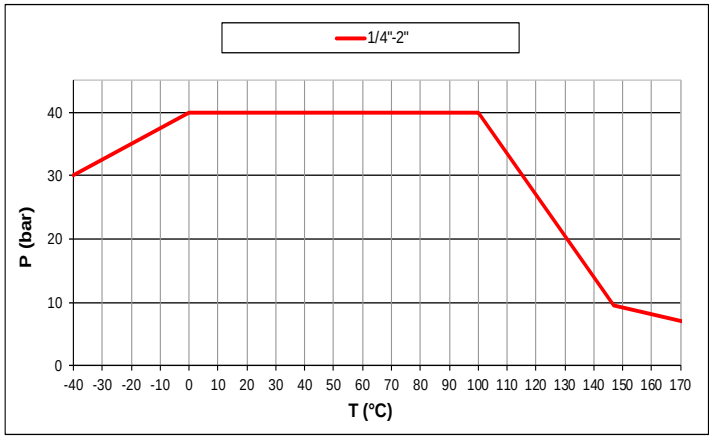


1 ¼"-2" hollow ball

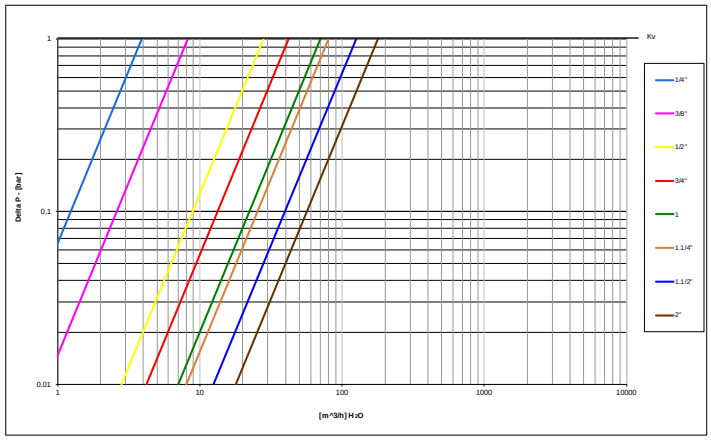
Code	S090B20	S090C20	S090D20	S090E20	S090F20	S090G20	S090H20	S090I20
D (Size)	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
DN (mm)	8	10	15	20	25	32	40	50
I (mm)	9	9	11	12	14	15	17	19
L (mm)	49	49	60	65.5	77.5	89	100	117
G (mm)	19,5	19,5	25	27	33,5	38,5	45	53
A (mm)	82	82	100	120	120	158	158	158
H (mm)	38	38	43	50	54	73	79	86
CH (mm)	17	20	25	31	38	48	54	66
Kv (m^3/h)	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 ¼" to 2": CE XXCODEXX Cat I-A

PRESSURE-TEMPERATURE CHART



PRESSURE DROP CHART



AVAILABLE ON DEMAND

LIFETIME WARRANTY

s.468LF DZR

22 mm compression ends
ISO 5211
Lead-Free, dezincification-resistant

QUALITY
- 100% seal test guaranteed
- Arrow on the valve body clearly shows the flow direction
- No metal-to-metal moving parts
- No maintenance ever required
- Stem clearly shows ball position
- Silicone-free lubricant on all seals
- Chrome plated DZR and lead free brass ball for longer life and with antifreeze function

BODY
- Hot forged sand blasted DZR and lead free unplated body and cap sealed with Loctite® or equivalent thread sealant
- Dezincification-resistant and lead free brass in compliance with HCACL Hygienic copper alloy composition (UBA list)

STEM
- Maintenance-free, double EPDM O-rings at the stem for maximum safety
- Blowout-proof unplated DZR and lead free brass stem

SEALING
- EPDM seats for lower torque

THREADS
- Compression ends to EN 1254-2

FLOW
- Full port to DIN 3357 for maximum flow

HANDLE
- Integrated sturdy ISO 5211 flange allows direct mounting of electric and pneumatic actuators, with no bracket or coupling required. See ***RuB*** line of electric and pneumatic actuators.

WORKING PRESSURE & TEMPERATURE
- Shell rating: 40 bar (600 PSI) non-shock cold working pressure
- Seat rating/compression ends: 16 bar max (230 PSI max) non-shock cold working pressure (see chart for pressure/temperature limits)
- -20°C to +120°C (-4°F to +250°F)
- **WARNING:** freezing of the fluid in the installation may severely damage the valve

UPON REQUEST
- Custom design

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

APPROVED BY OR IN COMPLIANCE WITH
- Certified by CSA International for Drinking Water to NSF/ANSI 372 (United States)
- Water Regulations Advisory Scheme (United Kingdom)

NOTE: approvals apply to specific configurations/sizes only.

OPTIONS
- S.468 DZR and lead free 7/8" compression ends
- Rack and pinion pneumatic actuator (spring return or double acting)
- Compact power electric actuator
- Manual lockable handle

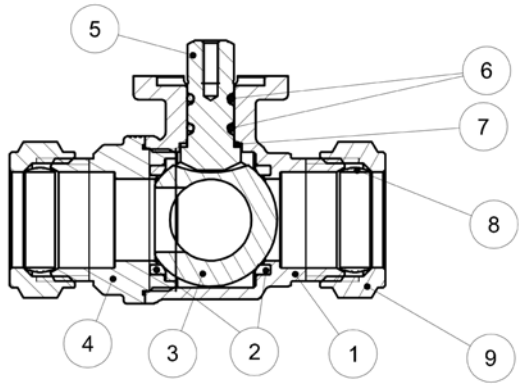
s.468LF DZR XCES468 - 5466

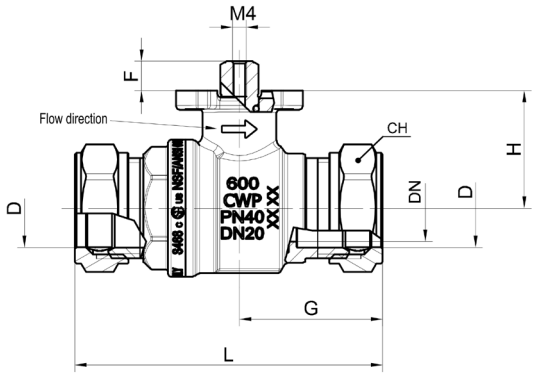
DRINKING WATER

	Part description	Q.ty	Material
1	Unplated body	1	CW511L
2	Seat	2	EPDM
3	Chrome plated ball	1	CW511L
4	Unplated end-cap	1	CW511L
5	Unplated stem	1	CW511L
6	O-Ring	2	EPDM
7	Washer	1	PTFE carbon filled 25%
8	Olive	2	CW508L
9	Unplated nut	2	CW617N

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

Code	S468E22
D (inch)	22
DN(mm)	19
L (mm)	87,5
G (mm)	40,7
H (mm)	33,5
ØA (mm)	36
ØC (mm)	Ø5.2 (M6)
Square B (mm)	9
ØM (mm)	43,4
F (mm)	8,3
CH (mm)	32
Kv (m3/h)	36

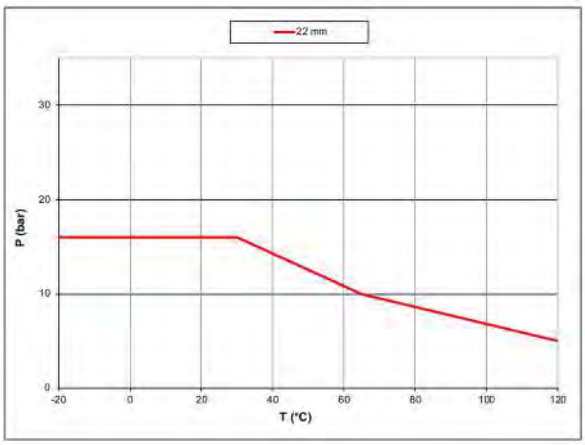




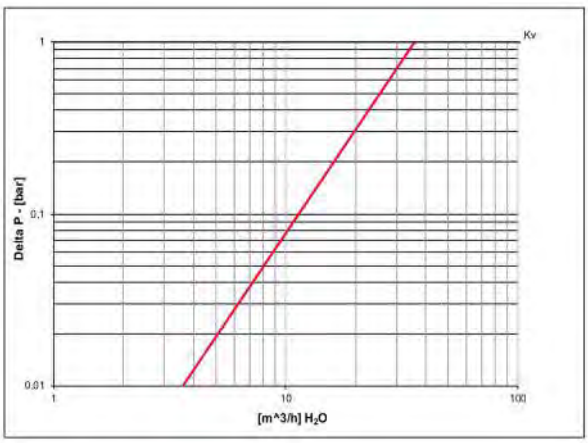
TORQUE FOR ACTUATOR SIZING N.M

Delta P -->	0÷6 bar	6÷16 bar
Valve size	*to open/to close*	*to open/to close*
22 mm	2,5	3

PRESSURE-TEMPERATURE CHART



PRESSURE DROP CHART



Puri-T 292 NPT

Female/Female
1/4" - 2"
Lead Free

All surfaces of this product in contact with drinking water contain less than 0.25% of lead in compliance with U.S. law

QUALITY
- Certified by CSA International to comply with U.S. s3874, California AB1953, and similar laws of other states for the safe handling of drinking water
- 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
- Handle stops on body to avoid stress at stem

BODY
- Hot forged sand blasted, unplated lead free brass body and cap sealed with Loctite® or equivalent thread sealant
- Chrome plated lead free brass ball for longer life

STEM
- Pure PTFE adjustable packing gland and reinforced washer for lower torque and easy maintenance
- Blowout-proof unplated lead free brass stem

SEALING
- Glass filled pure PTFE self-lubricating seats with flexible-lip design

THREADS
- NPT taper ANSI B.1.20.1 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
- **WARNING:** do not exceed reasonable temperature and/or electrical load

WORKING PRESSURE & TEMPERATURE
- 600 PSI non-shock cold working pressure
- For general use: -40°F / +350°F (-40°C to +170°C)
- NSF 61 limits (CSA approval): tested for use in continuous exposure to water of ambient temperature
- **WARNING:** freezing of the fluid in the installation may severely damage the valve

UPON REQUEST
- Custom design
- Pure PTFE seals

APPROVED BY OR IN COMPLIANCE WITH
- GOST-R (Russia)
- Certified by CSA International for Drinking Water to NSF/ANSI 61 – NSF/ANSI 372 (United States)
- RoHS Compliant (EU)

NOTE: approvals apply to specific configurations/sizes only.

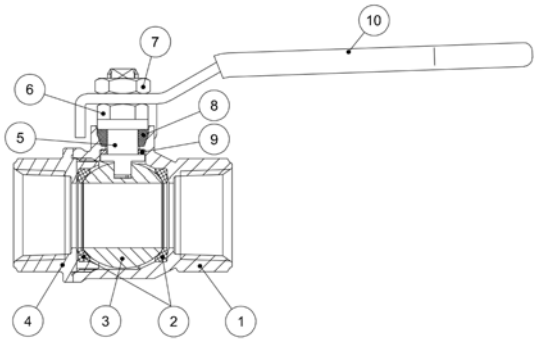
OPTIONS
- Oval lockable handle 1
- Patented locking device 2
- Stem extension
- Stainless steel handle (1.4016 / AISI 430) 3
- Stubby handle 4
- T-handle 5

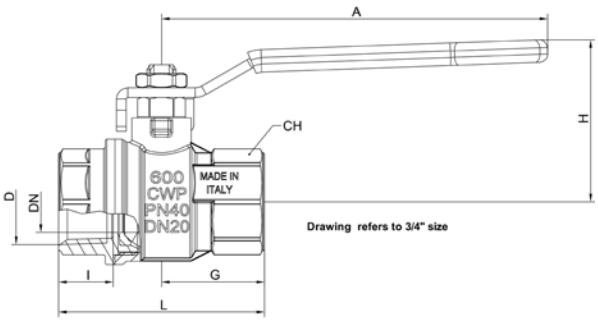
PURI-T 292 NPT XCET292 - 5466

DRINKING WATER

	Part description	Q.ty	Material
1	Unplated NPT body	1	CW510L
2	Seat	2	PTFE glass filled 5-15%
3	Chrome plated ball	1	CW510L
4	Unplated NPT end-cap	1	CW510L
5	Unplated stem packing gland design	1	CW510L
6	Nickel plated gland nut	1	CW617N
7	Geomet® nut	1	CB4FF (EN10263-2)
8	Packing gland seal	1	PTFE
9	Thrust washer	1	PTFE carbon filled 25%
10	Green PVC coated Geomet® steel handle	1	DD11 (EN10111)

1 ½"-2" hollow ball

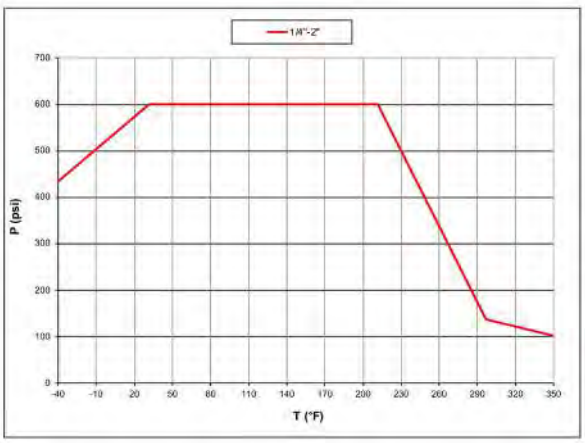




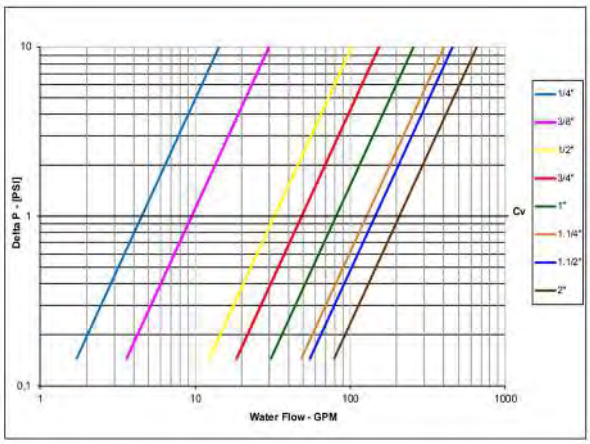
Code	T292B41	T292C41	T292D41	T292E41	T292F41	T292G41	T292H41	T292I41
D (inch)	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
DN (inch)	0.315	0.374	0.591	0.748	0.945	1.181	1.496	1.890
I (inch)	0.472	0.472	0.610	0.669	0.827	0.906	0.906	1.043
L (inch)	1.772	1.772	2.323	2.520	3.189	3.661	4.016	4.764
G (inch)	0.886	0.886	1.161	1.259	1.594	1.831	2.007	2.381
A (inch)	3.228	3.228	3.937	4.724	4.724	6.220	6.220	6.220
H (inch)	1.575	1.575	1.693	1.968	2.165	2.992	3.228	3.504
CH (inch)	0.669	0.787	0.984	1.220	1.574	1.929	2.126	2.697
Cv (GPM)	4.5	9.5	32.3	48.5	80.9	127.1	144.4	206.8

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

PRESSURE-TEMPERATURE CHART



PRESSURE DROP CHART



Puri-T 242

1/2” - 2”
Lead Free
solder ends

All surfaces of this product in contact with drinking water contain less than 0.25% of lead in compliance with U.S. law

QUALITY
- Certified by CSA International to comply with U.S. s3874, California AB1953, and similar laws of other states for the safe handling of drinking water
- 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 lead free brass ball for longer life
- Handle stops on body to avoid stresses at stem

BODY
- Hot forged sand blasted, unplated lead free brass body and cap sealed with Loctite® or equivalent thread sealant

STEM
- Pure PTFE adjustable packing gland and reinforced PTFE washer for lower torque and easy maintenance
- Blowout-proof unplated lead free brass stem

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

CONNECTIONS
- Solder-end ANSI B16.18 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
- **WARNING:** do not exceed reasonable temperature and/or electrical load

WORKING PRESSURE & TEMPERATURE
- 600 PSI (for solder joints rating see table 1) non-shock cold working pressure
- For general use: -4°F / +350°F (for solder joints rating see table 1)
- NSF 61 limits (CSA approval): tested for use in continuous exposure to water of ambient temperature
- **WARNING:** freezing of the fluid in the installation may severely damage the valve

UPON REQUEST
- Glass filled PTFE seals
- Stainless steel handle (1.4016 / AISI 430)
- Custom design

APPROVED BY OR IN COMPLIANCE WITH
- GOST-R (Russia)
- Certified by CSA International for Drinking Water to NSF/ANSI 61 – NSF/ANSI 372 (United States)
- RoHS Compliant (EU)

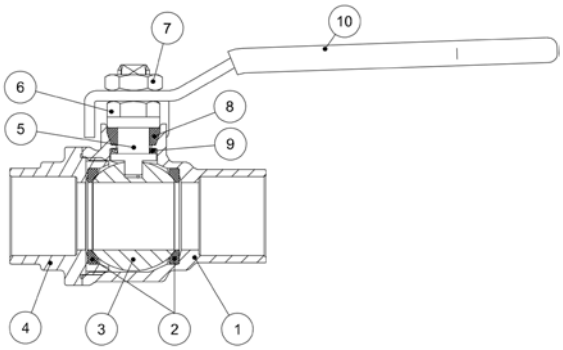
NOTE: approvals apply to specific configuartions/sizes only.

OPTIONS
- Oval lockable handle 1
- Patented locking device 2
- Stem extension (assemble after soldering)
- Stubby handle 3
- T-handle 4

PURI-T 242 XCET242 - 5466

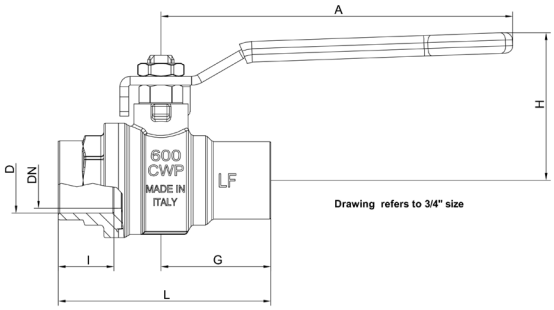
DRINKING WATER

	Part description	Q.ty	Material
1	Unplated solder end body	1	CW510L
2	Seat	2	PTFE
3	Chrome plated ball	1	CW510L
4	Unplated solder end-cap	1	CW510L
5	Unplated stem packing gland design	1	CW510L
6	Nickel plated gland nut	1	CW617N
7	Geomet® nut	1	CB4FF (EN10263-2)
8	Packing gland seal	1	PTFE
9	Thrust washer	1	PTFE carbon filled 25%
10	Green PVC coated Geomet® steel handle	1	DD11 (EN10111)



1 ½"-2" hollow ball

Code		T242D00	T242E00	T242F00	T242G00	T242H00	T242I00
D (inch)	Nominal	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
	Actual	0,6271	0,8771	1,1279	1,3779	1,6279	2,1279
DN (inch)		0,551	0,748	0,944	1,181	1,496	1,889
I (inch)		0,492	0,748	0,905	0,964	1,102	1,338
L (inch)		2,244	2,854	3,346	3,819	4,488	5,433
G (inch)		1,181	1,476	1,673	1,909	2,244	2,716
A (inch)		3,937	4,724	4,724	6,22	6,22	6,22
H (inch)		1,693	1,968	2,165	2,992	3,228	3,504
Cv (GPM)		32,3	48,5	80,9	127,1	144,4	206,8



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

TABLE 1 PRESSURE - TEMPERATURE RATINGS

Joning material	Melting range degrees °F	Melting range degrees °C	Working temperature degrees °F	Working temperature degrees °C	Maximum working gauge pressure Size 1/8" - 1" PSI	Size 1/8" - 1" kPa	Size 1 1/4" - 2" PSI	Size 1 1/4" - 2" kPa	Size 2 1/2" - 4" PSI	Size 2 1/2" - 4" kPa
50-50 tin-lead solder* ASTM B32 alloy grade 50 A	361/421	185/215	0/+100	-18/+38	200	1400	176	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

Note:

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.

** Soldered copper tube joints have been tested at 230 PSI (1600 kPa) in accordance with ISO 2016

PRESSURE-TEMPERATURE CHART

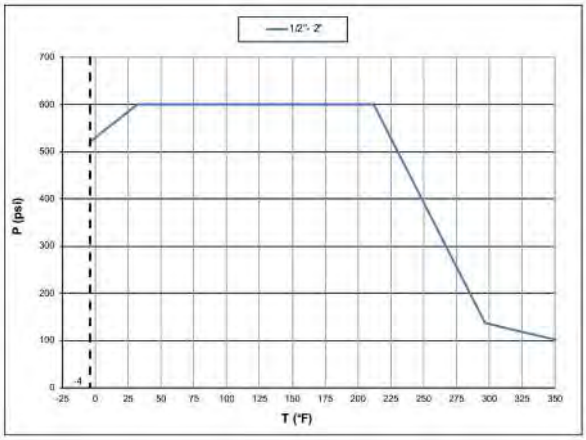
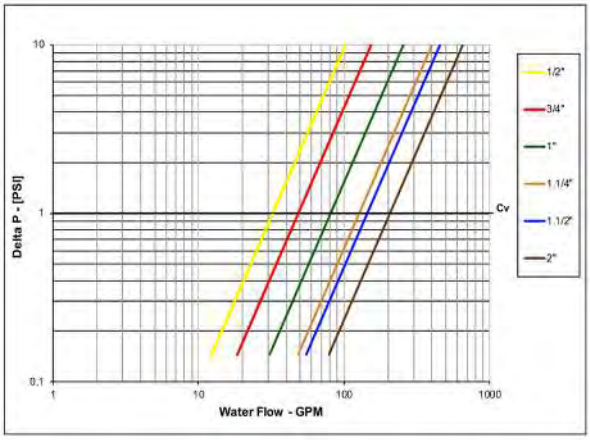


Chart applies to valve, not to solder joints for general use

PRESSURE DROP CHART



Puri-T 264 NPT

Female/Female
1/2" - 1 ½"
Lead Free, ISO 5211

All surfaces of this product in contact with drinking water contain less than 0.25% of lead in compliance with U.S. law

QUALITY
- Certified by CSA International to comply with U.S. s3874, California AB1953, and similar laws of other states for the safe handling of drinking water
- 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
- Silicone-free lubricant on all seals
- Chrome plated lead free brass ball for longer life

BODY
- Hot forged sand blasted, unplated lead free brass body and cap sealed with Loctite® or equivalent thread sealant
- Integrated ISO 5211 and DIN 3337 mounting flange for universal connection to actuator
- Finest brass according to EN 12165 and EN 12164 specifications

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

SEALING
- Reinforced PTFE self-lubricating seats with flexible-lip and wear compensation design

THREADS
- NPT taper ANSI B.1.20.1 female by female threads

FLOW
- 100% full port for maximum flow

OPERATING MECHANISM
- Integrated sturdy ISO 5211 flange allows direct mounting of electric and pneumatic actuators, with no bracket or coupling required. See ***RuB*** line of electric and pneumatic actuators.

WORKING PRESSURE & TEMPERATURE
- 600 PSI up to 3/4" size
- For 1" size up to 1 1/2" size:

-Shell rating: 600 PSI

-Seat rating: Delta P max permissible 230 PSI
- non-shock cold working pressure
- For general use: -4°F/+350°F
- NSF 61 limits (CSA approval): tested for use in continuous exposure to water of ambient temperature
- **WARNING:** freezing of the fluid in the installation may severely damage the valve

UPON REQUEST
- Custom design

APPROVED BY OR IN COMPLIANCE WITH
- GOST-R (Russia)
- Certified by CSA International for Drinking Water to NSF/ANSI 61 – NSF/ANSI 372 (United States)
- RoHS Compliant (EU)

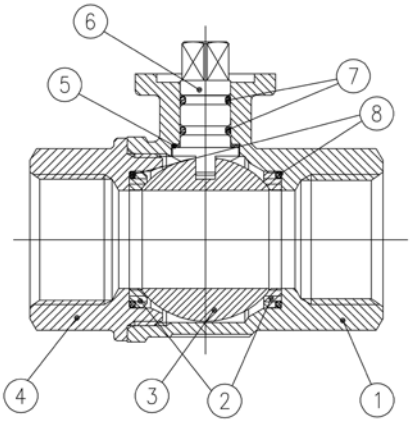
NOTE: approvals apply to specific configurations/sizes only.

OPTIONS
- Rack and pinion pneumatic actuator (spring return or double acting)
- Compact power electric actuator for some sizes
- Manual lockable handle

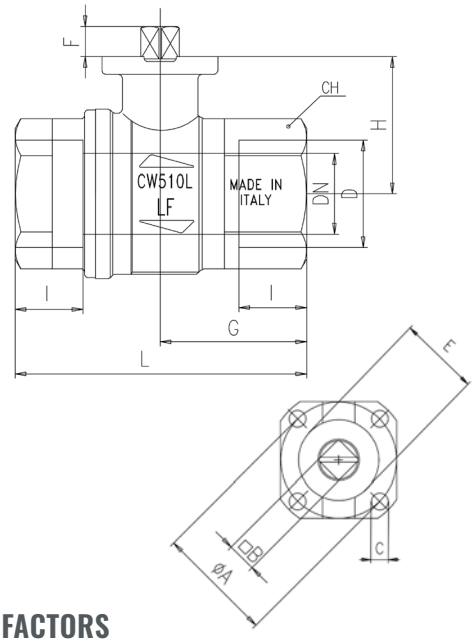
PURI-T 264 XCET264 - 5466

DRINKING WATER

	Part description	Q.ty	Material
1	Unplated NPT body	1	CW510L
2	Ball seat	2	PTFE graphite filled 15%
3	Chrome plated ball	1	CW510L
4	Unplated NPT end-cap	1	CW510L
5	Washer	1	PTFE carbon filled 25%
6	Nickel plated stem O-ring design	1	CW510L
7	O-Ring	2	FPM
8	O-Ring	2	FPM



Code	T264D41	T264E41	T264F41	T264G41	T264H41
D (inch)	1/2"	3/4"	1"	1 1/4"	1 1/2"
DN (inch)	0,59	0,787	0,984	1,259	1,575
I (inch)	0,61	0,708	0,827	0,905	0,964
L (inch)	2,598	2,933	3,563	4,094	4,606
G (inch)	1,201	1,457	1,791	2,047	2,322
H (inch)	1,22	1,516	1,673	1,941	2,441
CH (inch)	1,063	1,260	1,614	1,968	2,165
ØA (inch)	1,417	1,417	1,417	1,417	1,968
□B (inch)	0,354	0,354	0,354	0,354	0,551
C (inch)	0,22	0,22	0,22	0,22	0,260
E (inch)	0,984	0,984	0,984	0,984	1,378
F (inch)	0,295	0,335	0,335	0,335	0,571
Flange connection	F03	F03	F03	F03	F05
Cv (GPM)	32,3	69,3	115,5	179,1	283,1



TORQUE FOR ACTUATOR SIZING IN-LB

Delta P -->	0÷200 PSI		600 PSI	
Valve size	to open	to close	to open	to close
1/2"	25	15	25	15
3/4"	33	20	33	20

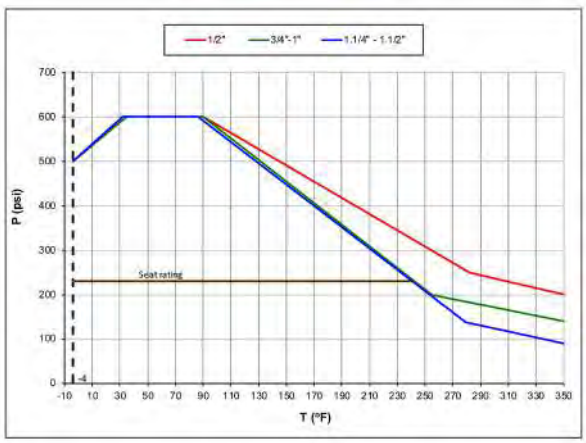
Delta P -->	0÷90 PSI		>90÷230 PSI	
Valve size	to open	to close	to open	to close
1"	19	19	31	31
1 ¼"	22	22	35	35
1 ½"	51	51	84	84

TORQUE CORRECTION FACTORS

Valve torque can vary according to operating frequency, temperature and friction characteristics of the media. If media has more or less friction than water, multiply torque by the following factors:

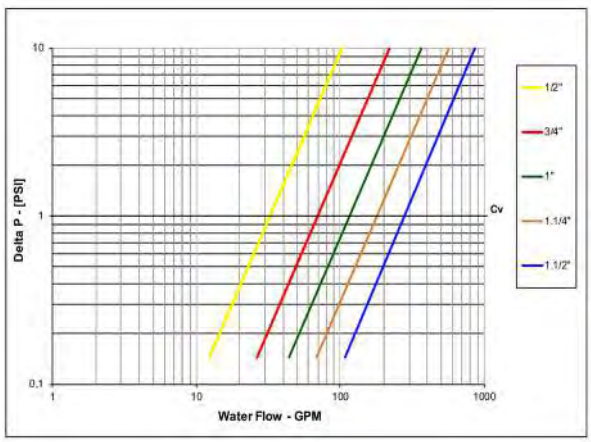
Lubricating oils or liquids	0.8
Dry gases, natural gas	1.5
Slurries or liquids bearing abrasive particles	1.5÷2.5

PRESSURE-TEMPERATURE CHART



For general use

PRESSURE DROP CHART




OPEN
SHUT
PN65
539 1/8"
900 CWP

Application Catalog

ACTUATION

INDUSTRY

PNEUMATIC

GAS

FIREFIGHTING

DRINKING WATER

PLUMBING

ACCESSORIES

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