



Middle East Catalogue 2019

**VIR**  
Valduggia (VC)  
Italy



**VIR Foundry & Plastic division**  
Valduggia (VC)  
Italy



**VIR Warehouse**  
Valduggia (VC)  
Italy



**Red-White Valve Corp.**  
Lake Forest, CA  
USA



**VIR ME International DWC LLC**  
Dubai  
UAE



**VIR Trading Shanghai**  
Shanghai  
China



**VIR Taizhou Manufacturing Co**  
Taizhou  
China



**V**IR S.p.A. was established in Italy in 1971 by Savino Rizzio and is now an international company with offices in 3 continents: in Europe, with its historical headquarters in the town of Valduggia, Northern Italy (with 3 separate sites : the production, the warehouse and the foundry together with the plastic division); in North America with Red-White Valve Corp.; in Asia with its plant in Taizhou and its sales office in Shanghai, and in the Middle East with the Dubai office and warehouse.

More than 40 years of presence in the market, together with the creation of a new logistic centre in the town of Valduggia in 2001, have made the VIR Group an extremely competitive company, close to its customers' needs and able to handle short-time deliveries and shipping, even of small quantities.

## Our DNA

**S**tarted as a family business and now a successful international group, VIR has shaped its growth on the fundamental principles that have made it a dynamic business aware of the market needs.

VIR's great experience in control valves has its roots in a highly advanced technical department of fluid dynamics and in the location of the VIR headquarters in the heart of the Cusio-Valsesia area, known for its expertise in metalworking, firstly thanks to the traditional local production of bronze bells and then that of valves and taps.

The high quality of the Made in Italy products is to be found in carefully studied solutions, which are realized to meet specific customer needs or designed by the technical department in order to anticipate market demands.

The key to innovation is reflected in the choice of materials: for over thirty years VIR has been dealing with drinking water contamination prevention, first with the introduction of DZR brass (dezincification resistant), then with the production of certified low-lead alloy valves and the possibility for its customers to also have traditional valves in the same alloy. There is no innovation without attention to health.





## VIR App

The VIR App for smartphones and tablets is the easiest way to download and store the technical data sheets of the valves in our product range and to keep them always updated. The technical data sheet download utility works as a search engine, filtering our products by type, diameter, PN, material and connections. The App will automatically update the previously downloaded technical data.



The app also includes useful tools as a support to the users of our balancing valve range:

- It can calculate the presetting of our static balancing valves based on the project design parameters;
- It can find the cartridge for our automatic balancing valves which most suits your requirement;
- It can measure flows by using our static balancing valves or flow meters in conjunction with a simple differential pressure manometer.

The VIR App is now available on App Store and Play Store and can be downloaded by scanning the QR codes below or following the links from our site: <http://www.vironline.com/en/virapp-en>



Each product page also includes a QR code that will allow one to download its technical sheets and store them in the VIR App, which in turn will ensure these are updated. Furthermore, technical data sheets will be stored in the device and will be accessible also offline from the App.





## BIM/Revit

**B**IM (Building Information Modeling) is the process which allows one to generate a digital model of a building, including several data such as structure, systems, foreseen furniture elements and so on.

The advantages of making a digitalized model are many. The digitalized model can become the keystone of stakeholders of the building (system builders, architects, owners, and so on). This allows for example:

- to verify how the various systems (electrics, heating, plumbing, etc.) interact with one another highlighting any problems and collisions that might arise between them;
- to make a “what if” analysis in support of decisions, evaluating at an early stage (when the cost of a change is lower) different technical solutions and/or layout alternatives;
- to make simulations on the landscape impact or on future management costs.

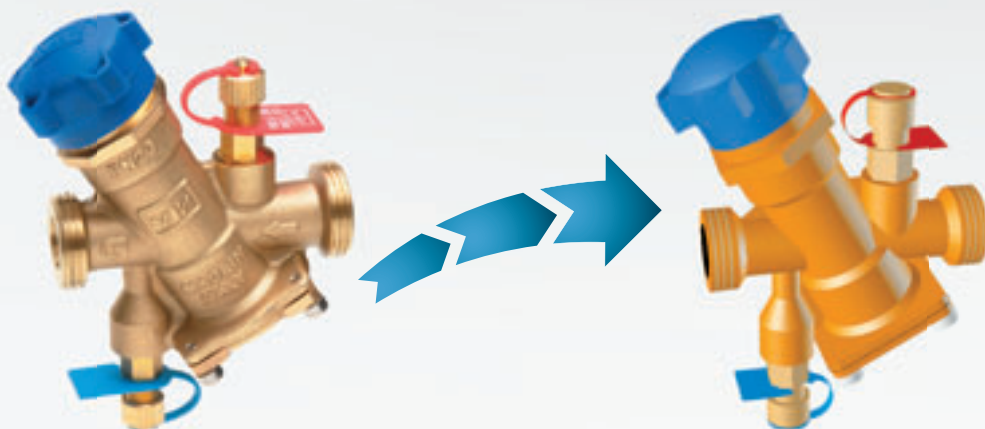


Each actor involved provides his piece of information to a centralized digital model, thus making it available to any other participant in the project who may need it.

While BIM is a concept, it has to be supported by actual informatic tools allowing for the modeling of the buildings in the terms described. These tools have to be supported by a common file format, which allows to import into the building model all the parts coming from different sources. The most common format used for this task is Revit.



VIR is BIM ready and offers a selection of Revit models of its items that are most commonly used in large projects involving BIM. The models can be downloaded at: **[vir.magiccloud.com](http://vir.magiccloud.com)**.





# Middle East reference List



King Khalid Hospital - Riyadh



TBC School - Riyadh



Al Talah Gardens - King Abdullah Economic City



Jizan General Hospital - Jizan



Dr. Sulaiman Al Habib Group - Sweidi Hospital - Riyadh



Tiara Hotel - Palm Jumeirah - Dubai



Sweden Island - The Heart of Europe - Dubai



EMAAR - Fountain View Towers - Dubai



Viceroy Dubai Jumeirah Village - Dubai



Cinepolis - Avenues Mall Expansion - Oman



# Certifications



EN331 - Europe



TR CU 010 - Russia, Belarus and Kazakhstan



STF - Finland



ACS - France



IAPMO - USA



VA - Denmark



UL - USA



FM - USA



CSA - USA, Canada



NSF 61 - USA



WRAS - UK



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# EZCONNECT



# EZCONNECT

## CONNECTION KIT FOR TERMINAL UNITS

VIR EzConnect kits are a new and flexible solution specifically designed to install HVAC terminal units such as fan coils, heat exchangers and so on. They feature:

- ◆ a simplified terminal unit maintenance, permitting its disassembly without having to empty the entire system;
- ◆ a flow regulation within the terminal unit itself, based on the principles of static or automatic balancing and obtained by means of the vast selection of VIR balancing valves;
- ◆ an easier routine cleaning of the terminal unit independently from the line's regular working conditions (by means of the optional test points with drain).

Each kit is individually shrink wrapped for easier on-site logistics.

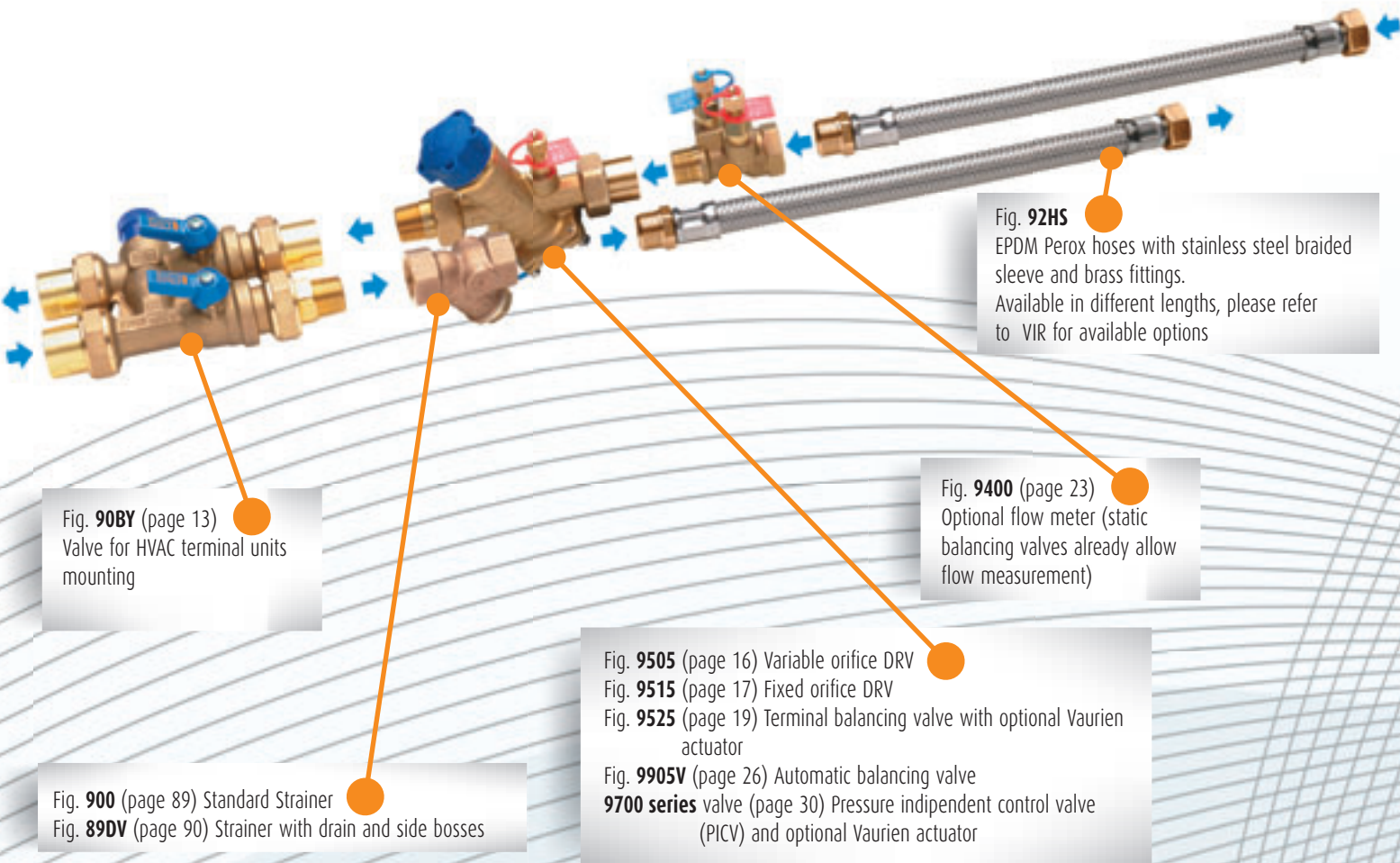


Fig. **90BY** (page 13)  
Valve for HVAC terminal units mounting

Fig. **900** (page 89) Standard Strainer  
Fig. **89DV** (page 90) Strainer with drain and side bosses

Fig. **9505** (page 16) Variable orifice DRV  
Fig. **9515** (page 17) Fixed orifice DRV  
Fig. **9525** (page 19) Terminal balancing valve with optional Vaurien actuator  
Fig. **9905V** (page 26) Automatic balancing valve  
**9700 series** valve (page 30) Pressure independent control valve (PICV) and optional Vaurien actuator

Fig. **92HS**  
EPDM Perox hoses with stainless steel braided sleeve and brass fittings. Available in different lengths, please refer to VIR for available options

Fig. **9400** (page 23)  
Optional flow meter (static balancing valves already allow flow measurement)



## VALVE FOR HVAC TERMINAL UNITS MOUNTING

Valve for HVAC terminal units mounting (fan coils, heat exchangers and so on)  
Available in the following versions:

- ◆ With four F threaded (ISO 228/1) mounted union ends
- ◆ Without union ends (unions can be ordered as option in any configuration)

Air testing according to EN12266-1

Available in 40mm or 80mm center to center version

One piece body with integral by-pass channel

Blow-out proof stems

TR CU 010 compliant

PN25 (Max 25bar up to 110°C, max 20bar above)

Working conditions

- ◆ Suitable for: water, -10°C to +130°C  
below 0°C only for water with added antifreeze fluids  
over 100°C only for water with added anti-boiling fluids

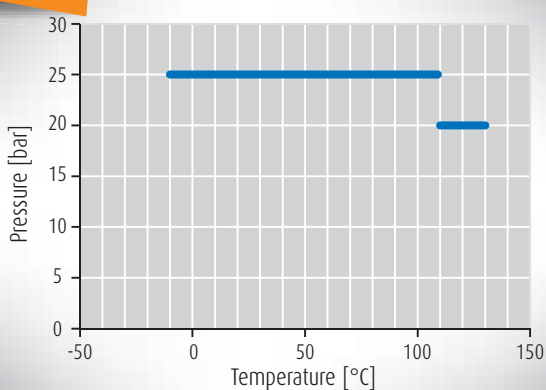
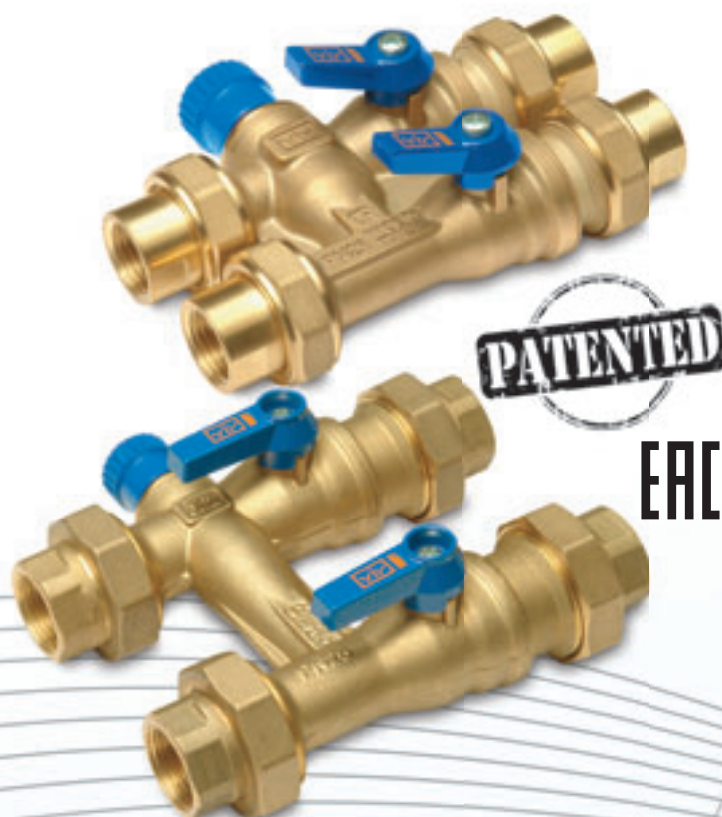
### Version with union ends

Code	DN	pcs./box	Wgt (g)	Box (kg)	version
F90BY0015.2256	015 <sub>040</sub> - 1/2" <sub>040</sub>	1	1050	1,1	CtC 40mm
F90BY0020.2256	020 <sub>080</sub> - 3/4" <sub>080</sub>	1	1950	2,0	CtC 80mm

Version with only two fixed ends and two union ends also available

### Version without union ends

Code	DN	pcs./box	Wgt (g)	Box (kg)	version
F90BY0015.2257	-	1	715	0,7	CtC 40mm
F90BY0020.2257	-	1	1330	1,3	CtC 80mm



## OPTIONAL SINGLE UNION END AND KIT OF STEM EXTENSIONS

### Female Threaded ISO 228/1

Code	DN	pcs./box	Wgt (g)	Box (kg)	version
KBC325015.2289	015 - 1/2"	1	108	0,1	CtC 40mm
KBC92D015.2086	015 - 1/2"	1	133	0,1	CtC 80mm
KBC92D020.2086	020 - 3/4"	1	145	0,1	CtC 80mm



### Male Threaded ISO 7/1Rp

Code	DN	pcs./box	Wgt (g)	Box (kg)	version
KBC90B015.2288	015 - 1/2"	1	110	0,1	CtC 40mm
KBC92D015.2087	015 - 1/2"	1	113	0,1	CtC 80mm
KBC90B020.2288	020 - 3/4"	1	106	0,1	CtC 40mm
KBC92D020.2087	020 - 3/4"	1	143	0,1	CtC 80mm
KBC92D025.2087	025 - 1"	1	158	0,2	CtC 80mm



### Stem extensions

Code	DN	pcs./box	Wgt (g)	Box (kg)	version
KPR90B015.2131	-	1	89	0,1	CtC 40mm
KPR90B020.2131	-	1	120	0,1	CtC 80mm





# STATIC BALANCING





## VARIABLE ORIFICE BRONZE DOUBLE REGULATING VALVE

Variable orifice bronze double regulating valve  
 Threaded F/F (ISO 228/1)  
 Design according to BS7350  
 Tolerance on nominal Kv for completely open valve  $\pm 5\%$   
 (see flow measurement section, test according to BS7350)

Also available:

- ◆ With drain on high pressure test point (Fig. 9506)
- ◆ With  $\frac{1}{4}$ " (ISO 7/1Rp) threaded and plugged drains (Fig. 9500)  
 (allow later mounting of test points)

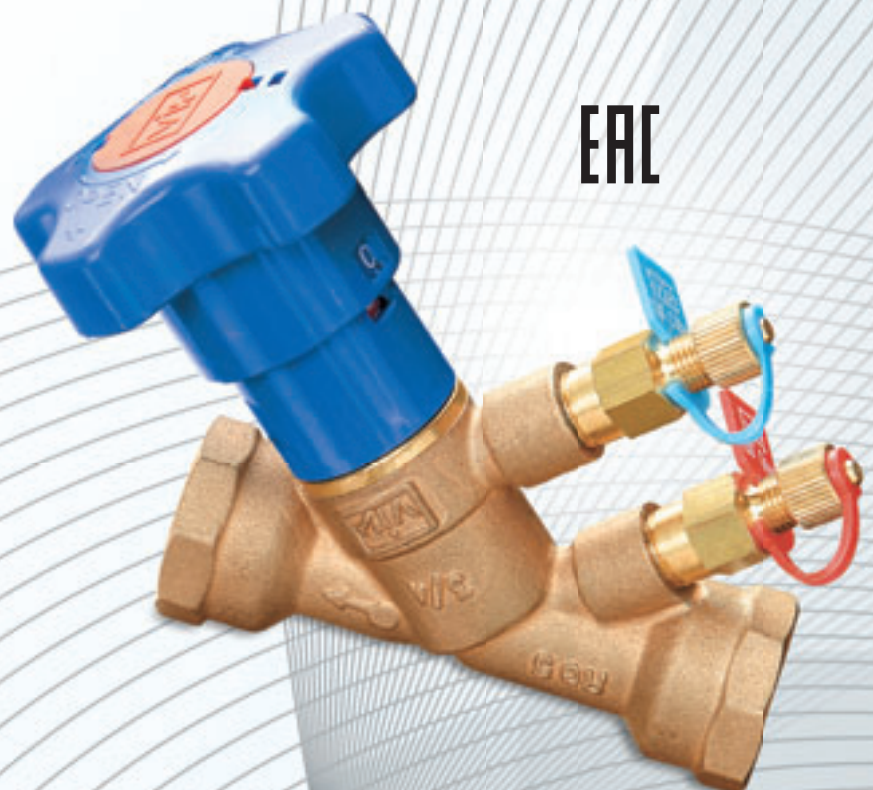
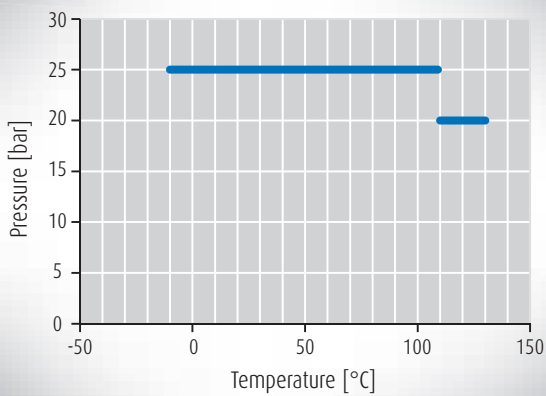
TR CU 010 compliant

PN25 (Max 25bar up to 110°C, max 20bar above)

Working conditions

- ◆ Suitable for: water,  $-10^{\circ}\text{C}$  to  $+130^{\circ}\text{C}$   
 below  $0^{\circ}\text{C}$  only for water with added antifreeze fluids  
 over  $100^{\circ}\text{C}$  only for water with added anti-boiling fluids  
 (Ethylene glycol or propylene glycol mixtures up to 50% may be used)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F9505B015.946	015 - 1/2"	15	505	7,6
F9505B020.946	020 - 3/4"	15	565	8,5
F9505B025.946	025 - 1"	10	705	7,1
F9505B032.946	032 - 1 1/4"	10	1005	10,1
F9505B040.946	040 - 1 1/2"	8	1355	10,8
F9505B050.946	050 - 2"	5	1925	9,6







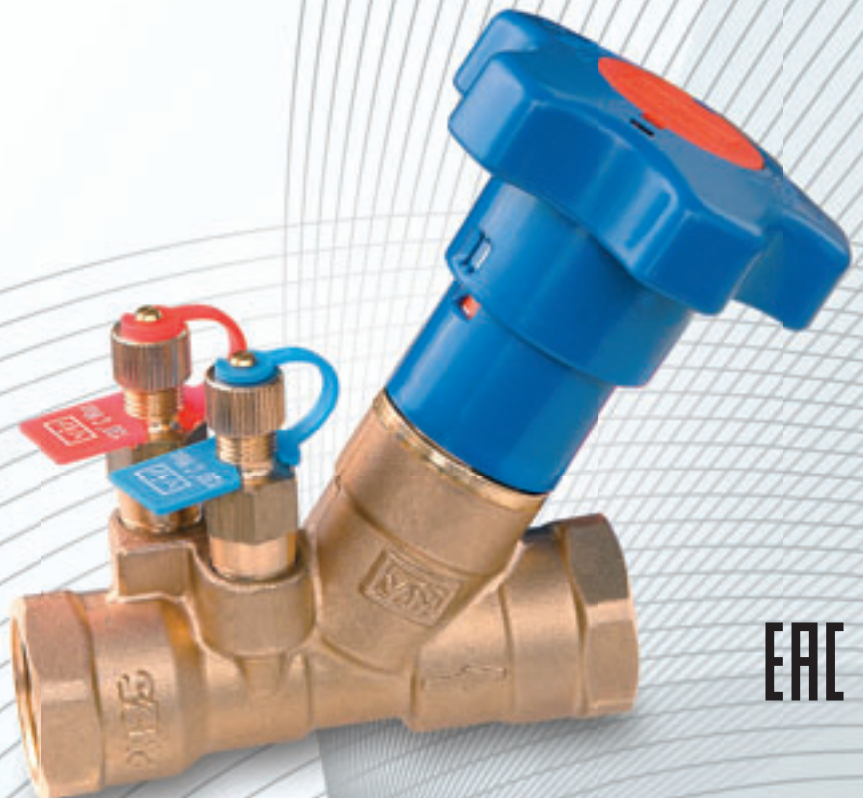
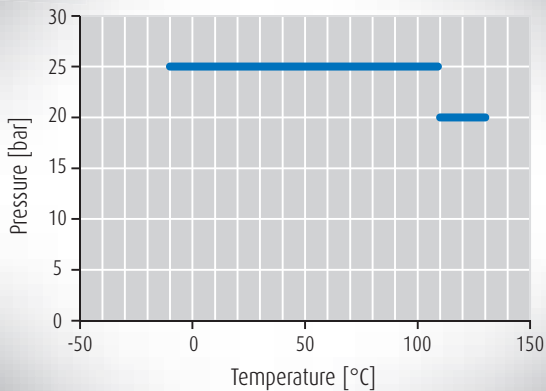
## FIXED ORIFICE DZR BRASS DOUBLE REGULATING VALVE

Fixed orifice DZR brass double regulating valve  
 Threaded F/F (ISO 228/1 for DN15 and DN20, ISO 7/1 Rp above)  
 Also available with drain on high pressure test point (Fig. 9516)  
 Design according to BS7350  
 Tolerance on nominal Kvs  $\pm 3\%$  (test according to BS7350)  
 TR CU 010 compliant  
 PN25 (Max 25bar up to 110°C, max 20bar above)

### Working conditions

Suitable for: water, -10°C to +130°C (120°C with O/N kit)  
 ◆ below 0°C only for water with added antifreeze fluids  
 over 100°C only for water with added anti-boiling fluids  
 (Ethylene glycol or propylene glycol mixtures up to 50% may be used)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F95V01015.1094	015 - 1/2"	15	550	8,3
F95V01020.1094	020 - 3/4"	10	620	6,2
F95V01025.870	025 - 1"	10	751	7,5
F95V01032.870	32 - 1 1/4"	8	1191	9,5
F95V01040.870	040 - 1 1/2"	6	1446	8,7
F95V01050.870	050 - 2"	5	2064	10,3





## FIXED ORIFICE BRONZE DOUBLE REGULATING VALVE

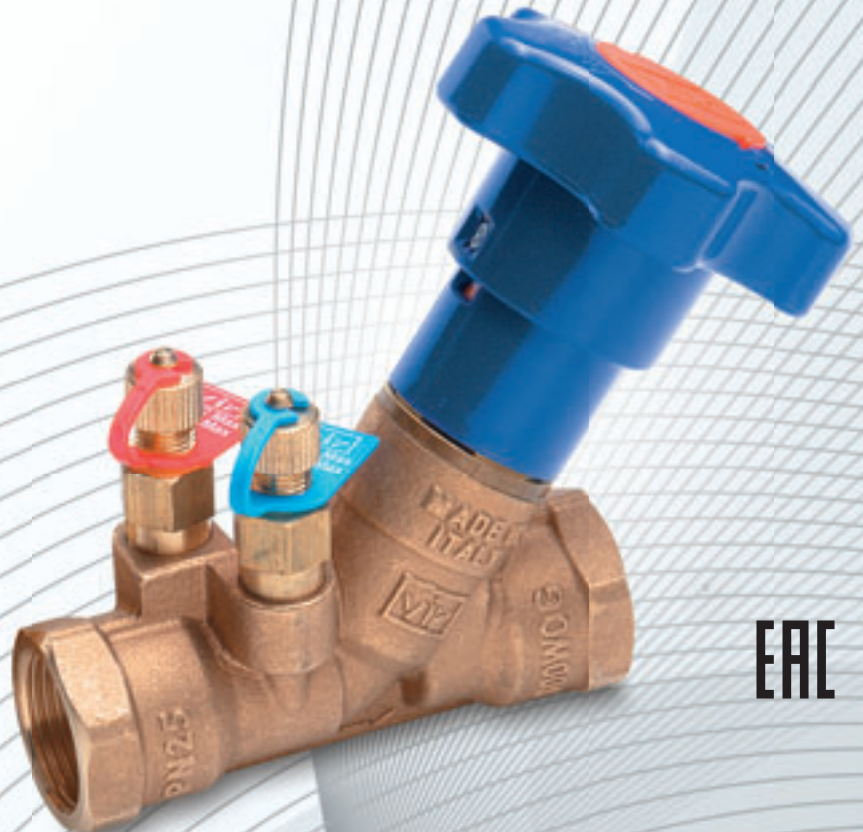
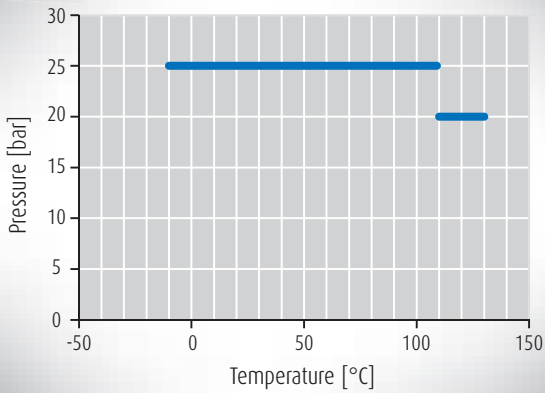
Fixed orifice bronze double regulating valve  
 Threaded F/F (ISO 228/1 for DN15 and DN20, ISO 7/1 Rp above)  
 Also available with drain on high pressure test point (Fig. 9586)  
 Design according to BS7350  
 Tolerance on nominal Kvs ±3% (test according to BS7350)  
 TR CU 010 compliant

PN25 (Max 25bar up to 110°C, max 20bar above)

### Working conditions

- ◆ Suitable for: water, -10°C to +130°C (120°C with O/N kit)  
 below 0°C only for water with added antifreeze fluids  
 over 100°C only for water with added anti-boiling fluids  
 (Ethylene glycol or propylene glycol mixtures up to 50% may be used)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F95Z01015.2039	015 - 1/2"	15	565	8,5
F95Z01020.2039	20 - 3/4"	10	640	6,4
F95Z01025.2033	025 - 1"	10	780	7,8
F95Z01032.2033	32 - 1 1/4"	8	1270	10,2
F95Z01040.2033	040 - 1 1/2"	6	1570	9,4
F95Z01050.2033	050 - 2"	5	2180	10,9





## DZR BRASS ON/OFF TERMINAL BALANCING VALVE

DZR brass ON/OFF terminal balancing valve  
 Threaded F/F (ISO 228/1 for DN15 and DN20, ISO 7/1 Rp above)  
 Tolerance on nominal Kv for fully open valve  $\pm 10\%$   
 (test according to BS7350)  
 Provided with mounted test points  
 With threaded M30x1,5 connection for linear actuator  
 TR CU 010 compliant

PN20 (Max 20bar up to 80°C, max 10bar at 130°C)

Working conditions

- ◆ Suitable for: water, -10°C to +130°C (120°C with O/N kit)  
 below 0°C only for water with added antifreeze fluids  
 over 100°C only for water with added anti-boiling fluids  
 (Ethylene glycol or propylene glycol mixtures up to 50% may be used)

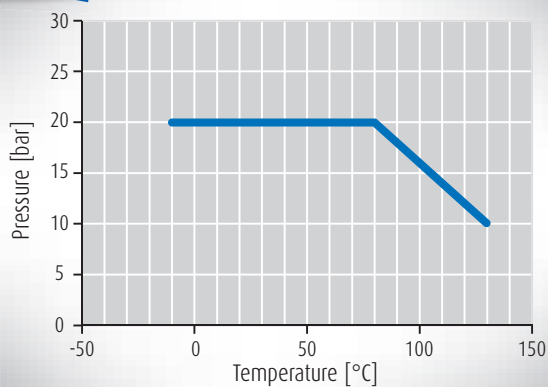
Code	DN	pcs./box	Wgt (g)	Box (kg)
F95E00015.1934	015 - 1/2"	20	340	6,8
F95E00020.1934	020 - 3/4"	20	450	9,0
F95E00025.1934	025 - 1"	20	620	12,4

### Vaurien Actuator, 230VAC version

Code	DN	pcs./box	Wgt (g)	Box (kg)
KA952AT50.800	100N, up to DN20	1	100	0,1
KA952AT05.800	125N, all diameters	1	110	0,1

### Vaurien Actuator, 24V AC/DC version

Code	DN	pcs./box	Wgt (g)	Box (kg)
KA952AT52.800	100N, up to DN20	1	100	0,1
KA952AT07.800	125N, all diameters	1	110	0,1



EAC

### Optional Vaurien Actuator

ON/OFF linear actuator with threaded connection  
 M30x1,5 threaded nut with fast connection  
 With 1m electric wire  
 Enclosure protection IP54  
 CE compliant

Power supply 50Hz or 60Hz  
 Versions for 230VAC or 24V AC/DC available  
 Normally closed (NC)  
 Normally open (NO) version available on request  
 Working temperature: 0°C to +60°C





## VARIABLE ORIFICE CAST IRON DOUBLE REGULATING VALVE

Variable orifice cast iron double regulating valve  
 Flanged PN16 according to EN1092-2 (ex DIN2533)  
 Lengths according to EN558-1 series 1 (ex DIN3202 F1)  
 Alkyd/acrylic single layer waterpaint coating (50-100µm)  
 Tolerance on nominal Kv for completely open valve ±5%

With plugged threaded drains (¼" ISO 7/1Rp) for test points  
 Provided with test points (given unmounted)  
 TR CU 010 compliant

PN16

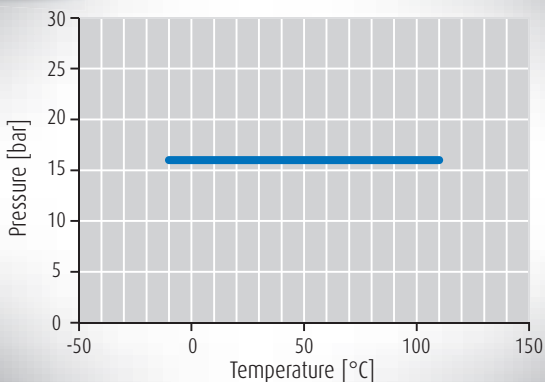
Working conditions

- ◆ Suitable for: water, -10°C to +110°C  
 below 0°C only for water with added antifreeze fluids  
 over 100°C only for water with added anti-boiling fluids  
 (Ethylene glycol or propylene glycol mixtures up to 50% may be used)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F95001050.1959	050 - 2"	1	8300	8,3
F95001065.1959	065 - 2 1/2"	1	13500	13,5
F95001080.1959	080 - 3"	1	17800	17,8
F95001100.1959	100 - 4"	1	22700	22,7
F95001125.1959	125 - 5"	1	34000	34,0
F95001150.1959	150 - 6"	1	48500	48,5
F95001200.1959	200 - 8"	1	114500	114,5
F95001250.1959	250 - 10"	1	159000	159,0
F95001300.1959	300 - 12"	1	210500	210,5



**EAC**



Fixed orifice double regulating valve Fig. 9565P is a kit composed of:

- ◆ Stainless steel wafer metering station Fig.9450
- ◆ Variable orifice cast iron double regulating valve Fig.9555P

### Optional Fig. 9450 metering station

Code	DN	pcs./box	Wgt (g)	Box (kg)
F94500050.1073	050 - 2"	1	1142	1,1
F94500065.1073	065 - 2 1/2"	1	1468	1,5
F94500080.1073	080 - 3"	1	1762	1,8
F94500100.1073	100 - 4"	1	1967	2,0
F94500125.1073	125 - 5"	1	2560	2,6
F94500150.1073	150 - 6"	1	2950	3,0
F94500200.1073	200 - 8"	1	4140	4,1
F94500250.1073	250 - 10"	1	5350	5,4
F94500300.1073	300 - 12"	1	6830	6,8





## VARIABLE ORIFICE CAST IRON DOUBLE REGULATING VALVE

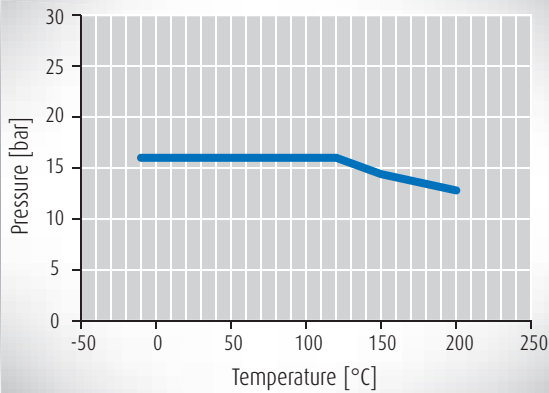
Variable orifice cast iron double regulating valve  
 Flanged PN16 according to EN1092-2 (ex DIN2533)  
 Lengths according to EN558-1 series 1 (ex DIN3202 F1)  
 With plugged threaded drains (1/4" ISO 7/1Rp) for test points  
 Test points available on request  
 TR CU 010 compliant

PN16 (Max 16bar up to 120°C, then according to rating table)  
 Max ΔP 4,5bar for DN350, 3,5bar for DN400

### Working conditions

- ◆ Suitable for: water, -10°C to +200°C  
 below 0°C only for water with added antifreeze fluids  
 over 100°C only for water with added anti-boiling fluids  
 (Ethylene glycol or propylene glycol mixtures up to 50% may be used)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F95001350.1556	350 - 14"	1	535000	535,0
F95001400.1556	400 - 16"	1	765000	765,0



**EAC**



# 9565XL



## COMMISSIONING KIT FIG.4325 + FIG.9450

### Ductile iron Lug butterfly valve Fig.4325

For EN1092 PN16 flanges  
 Lengths according to EN558-1 series 20 (ex DIN3202 K1)  
 Design according to EN593  
 Testing according to EN12266-1  
 Epoxy coating (min. 150µm)  
 Stainless steel Wafer metering station Fig.9450  
 For EN1092 PN16 flanges  
 Tolerance on nominal Kvs ±5%  
 TR CU 010 compliant

PN16

### Working conditions

- ◆ Suitable for: water, -10°C to +110°C  
 below 0°C only for water with added antifreeze fluids  
 over 100°C only for water with added anti-boiling fluids  
 (Ethylene glycol or propylene glycol mixtures up to 50% may be used)

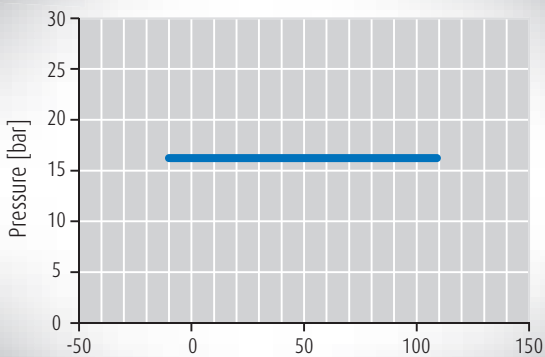
Please order together:

### Ductile iron Lug butterfly valve Fig.4325

Code	DN	pcs./box	Wgt (g)	Box (kg)
F4325G350.1009	350 - 14"	1	81300	81,3
F4325G400.1009	400 - 16"	1	138200	138,2
F4325G450.1009	450 - 18"	1	158700	158,7
F4325G500.1009	500 - 20"	1	226600	226,6
F4325G600.1009	600 - 24"	1	315500	315,5

### Stainless steel Wafer metering station Fig.9450

Code	DN	pcs./box	Wgt (g)	Box (kg)
F94500350.1073	350 - 14"	1	11000	11,0
F94500400.1073	400 - 16"	1	14000	14,0
F94500450.2383	450 - 18"	1	17000	17,0
F94500500.2383	500 - 20"	1	21000	21,0
F94500600.2383	600 - 24"	1	35000	35,0





## DZR BRASS METERING STATION

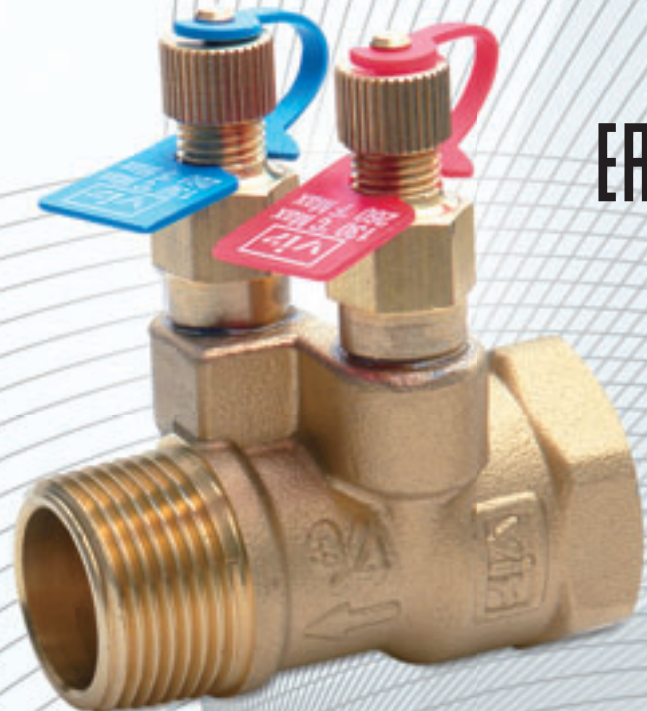
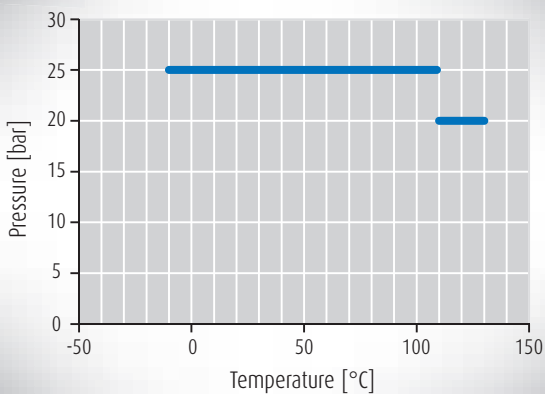
DZR brass metering station  
 Threaded M/F ISO 7/1 Rp (F side threaded ISO 228/1 on DN15 and DN20)  
 Design according to BS7350  
 Tolerance on nominal Kvs  $\pm 3\%$  (test according to BS7350)  
 TR CU 010 compliant

PN25 (Max 25bar up to 110°C, max 20bar above)

### Working conditions

- ◆ Suitable for: water, -10°C to +130°C (120°C with O/N kit)  
 below 0°C only for water with added antifreeze fluids  
 over 100°C only for water with added anti-boiling fluids  
 (Ethylene glycol or propylene glycol mixtures up to 50% may be used)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F95MS1015.1096	015 - 1/2"	25	213	5,3
F95MS1020.1096	020 - 3/4"	25	254	6,4
F95MS1025.707	025 - 1"	15	353	5,3
F95MS1032.707	32 - 1 1/4"	15	463	6,9
F95MS1040.707	040 - 1 1/2"	10	531	5,3
F95MS1050.707	050 - 2"	10	755	7,6





## STAINLESS STEEL WAFER METERING STATION

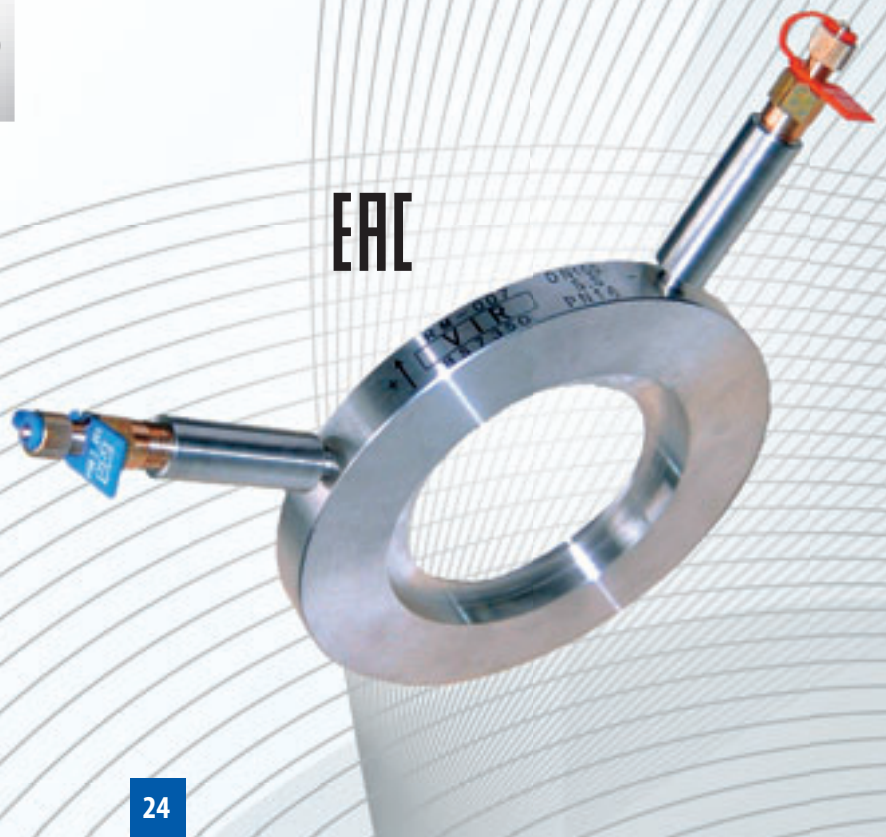
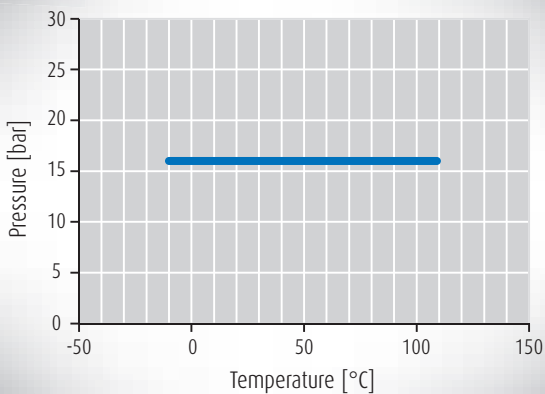
Stainless steel Wafer metering station  
 For EN1092 PN16 flanges  
 Design according to BS7350  
 Tolerance on nominal Kvs  $\pm 5\%$  (test according to BS7350)  
 TR CU 010 compliant

PN16

Working conditions

- ◆ Suitable for: water,  $-10^{\circ}\text{C}$  to  $+110^{\circ}\text{C}$   
 below  $0^{\circ}\text{C}$  only for water with added antifreeze fluids  
 over  $100^{\circ}\text{C}$  only for water with added anti-boiling fluids  
 (Ethylene glycol or propylene glycol mixtures up to 50% may be used)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F94500050.1073	050 - 2"	1	1142	1,1
F94500065.1073	065 - 2 1/2"	1	1468	1,5
F94500080.1073	080 - 3"	1	1762	1,8
F94500100.1073	100 - 4"	1	1967	2,0
F94500125.1073	125 - 5"	1	2560	2,6
F94500150.1073	150 - 6"	1	2950	3,0
F94500200.1073	200 - 8"	1	4140	4,1
F94500250.1073	250 - 10"	1	5350	5,4
F94500300.1073	300 - 12"	1	6830	6,8
F94500350.1073	350 - 14"	1	11000	11,0
F94500400.1073	400 - 16"	1	14000	14,0
F94500450.2383	450 - 18"	1	17000	17,0
F94500500.2383	500 - 20"	1	21000	21,0
F94500600.2383	600 - 24"	1	35000	35,0



ERC



# DYNAMIC BALANCING





## STRAIGHT DZR BRASS AUTOMATIC BALANCING VALVE

DZR brass automatic balancing valve  
 With threaded union F/F ends (ISO 7/1 Rp)  
 Other connections (CxC, threaded M) or combinations on request  
 Wide range of flows available (see cartridge list)  
 Also available with 1/4" (ISO 7/1Rp) threaded and plugged drains (Fig. 9900V)  
 (allow later mounting of test points)  
 TR CU 010 compliant

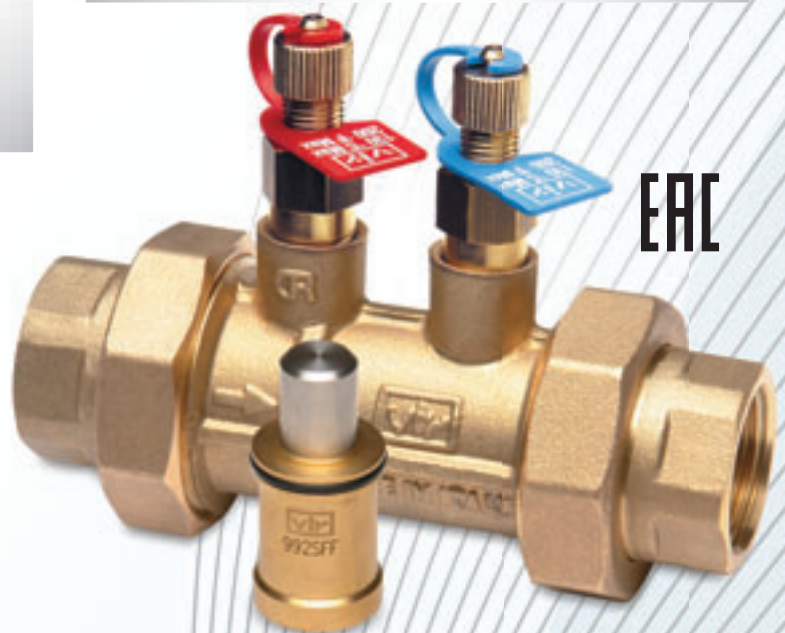
PN25 (Max 25bar up to 110°C, max 20bar above)

### Working conditions

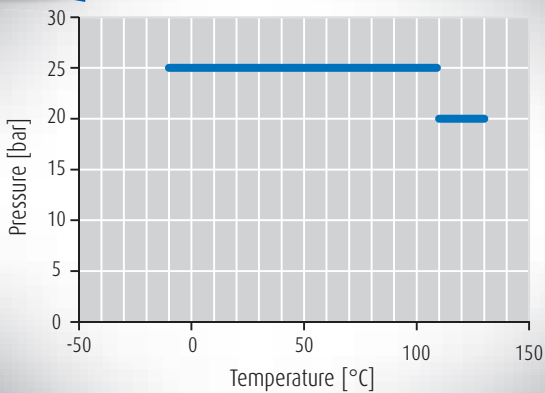
- ◆ Suitable for: water, -10°C to +130°C (110°C for DN×65)  
 below 0°C only for water with added antifreeze fluids  
 over 100°C only for water with added anti-boiling fluids  
 (Ethylene glycol or propylene glycol mixtures up to 50% may be used)
- ◆ Working ΔP depending on selected cartridge

Code	DN	pcs./box	Wgt (g)	Box (kg)	Cartridge
F990V5015.1904	015 - 1/2"	25	420	10,5	MINI
F990V5H15.1904	H 015 - H 1/2"	25	618	15,5	SMALL
F990V5L20.1904	L 020 - L 3/4"	25	505	12,6	MINI
F990V5020.1904	020 - 3/4"	25	632	15,8	SMALL
F990V5025.1904	025 - 1"	25	854	18,9	SMALL
F990V5032.1904	032 - 1 1/4"	10	1587	15,9	MEDIUM
F990V5040.1904	040 - 1 1/2"	10	1803	18,0	MEDIUM
F990V5050.1904	050 - 2"	10	2337	23,4	MEDIUM
F990V5H50.1904	H 050 - H 2"	2	5104	10,2	LARGE
F990V5065.1904	065 - 2 1/2"	2	5084	10,2	LARGE

Including cartridge



**EAC**



### MINI

Modl	Flow (l/sec)	ΔP (kPa)
1202	0,02	15-170
1203	0,03	16-220
1204	0,04	16-220
1205	0,05	16-220
1206	0,06	16-220
1207	0,07	16-220
1208	0,08	16-220
1209	0,09	16-220
1210	0,10	16-220
1211	0,11	17-220
1212	0,12	17-220
1213	0,13	17-220
1214	0,14	17-220
1215	0,15	17-220
1216	0,16	17-220
1218	0,18	18-220
1220	0,20	19-220

### SMALL, STD range

Modl	Flow (l/sec)	ΔP (kPa)
2213	0,13	17-240
2215	0,15	17-240
2217	0,17	17-240
2219	0,19	17-240
2221	0,21	18-240
2224	0,24	18-240
2227	0,27	18-240
2230	0,30	18-240
2233	0,33	18-240
2236	0,36	18-240
2240	0,40	18-240
2245	0,45	19-240
2250	0,50	19-240
2255	0,55	21-240
2260	0,60	22-240
2266	0,66	24-240
2272	0,72	24-240

### SMALL, HP range

Modl	Flow (l/sec)	ΔP (kPa)
2318	0,18	29-440
2320	0,20	32-440
2323	0,23	33-440
2327	0,25	33-440
2329	0,29	33-440
2332	0,32	33-440
2336	0,36	33-440
2340	0,40	33-440
2345	0,45	33-440
2350	0,50	33-440
2355	0,55	34-440
2361	0,61	36-440
2368	0,68	36-440
2375	0,75	36-440
2380	0,80	36-440
2386	0,86	40-440
2395	0,95	40-440

### MEDIUM, STD range

Modl	Flow (l/sec)	ΔP (kPa)
4231	0,31	13-230
4234	0,34	13-230
4237	0,37	13-230
4240	0,40	14-230
4246	0,46	14-230
4250	0,50	14-230
4255	0,55	14-230
4258	0,58	14-230
4262	0,62	14-230
4267	0,67	15-230
4274	0,74	15-230
4283	0,83	15-230
4290	0,90	15-230
4297	0,97	15-230
4210	1,05	15-230
4212	1,20	15-230
4213	1,30	16-230
4214	1,44	17-230
4216	1,56	17-230
4217	1,68	18-230
4218	1,80	19-230
4220	1,96	19-230

### MEDIUM, HP range

Modl	Flow (l/sec)	ΔP (kPa)
4341	0,41	26-420
4346	0,46	26-420
4351	0,51	26-420
4355	0,55	27-420
4362	0,62	27-420
4368	0,68	27-420
4374	0,74	27-420
4379	0,79	27-420
4383	0,83	27-420
4391	0,91	28-420
4310	1,00	28-420
4311	1,11	28-420
4312	1,20	29-420
4313	1,30	29-420
4314	1,39	29-420
4316	1,64	30-420
4318	1,75	31-420
4319	1,90	31-420
4321	2,06	32-420
4322	2,23	34-420
4324	2,40	35-420
4326	2,60	38-420

### LARGE

Modl	Flow (l/sec)	ΔP (kPa)
6216	1,6	14-230
6218	1,8	14-230
6220	2,0	14-230
6222	2,2	15-230
6224	2,4	15-230
6227	2,7	15-230
6230	3,0	16-230
6233	3,3	16-230
6236	3,6	16-230
6240	4,0	17-230
6245	4,5	17-230
6250	5,0	19-230
6255	5,5	19-230
6260	6,0	21-230
6266	6,6	21-230
6273	7,3	25-230
6280	8,0	28-230

Cartridges are available in different ranges of working differential pressure, the minimum and maximum working ΔP therefore depend on the specific cartridge model.

Ordering code: KRR99Modl.1880 (model number as per tables).



## DUCTILE IRON AUTOMATIC BALANCING VALVE

Ductile iron Wafer automatic balancing valve  
 For EN1092 PN16 or ASME B16.42 class 150 flanges  
 Provided with eyebolt for DN $\geq$ 100  
 Wide range of flows available (see cartridge list)  
 Test points included

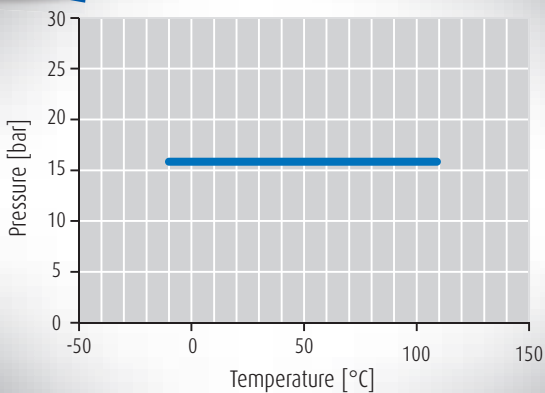
PN16 (PN25 available on request)

### Working conditions

- ◆ Suitable for: water, -10°C to +110°C  
 below 0°C only for water with added antifreeze fluids  
 over 100°C only for water with added anti-boiling fluids  
 (Ethylene glycol or propylene glycol mixtures up to 50% may be used)
- ◆ Multi cartridge system for DN $\geq$ 100
- ◆ Minimum working  $\Delta P$  depending on cartridge configuration

Code	DN	pcs./box	Wgt (g)	Box (kg)	Cartridge
F9955V065.2448	065 - 2 1/2"	1	5401	5,4	LARGE x 1
F9955V080.2448	080 - 3"	1	6934	6,9	LARGE x 1
F9955V100.2448	100 - 4"	1	11068	11,1	LARGE x 2
F9955V125.2448	125 - 5"	1	14602	14,6	LARGE x 3
F9955V150.2448	150 - 6"	1	17836	17,8	LARGE x 4
F9955V200.2448	200 - 8"	1	25138	25,1	LARGE x 7
F9955V250.2448	250 - 10"	1	35640	35,6	LARGE x 10
F9955V300.2448	300 - 12"	1	46376	46,4	LARGE x 14

Including  
cartridge



Cartridges are available in different ranges of working differential pressure, the minimum and maximum working  $\Delta P$  therefore depend on the specific cartridge model.

Fig. 9955 use LARGE cartridges, multiple cartridges are used for DN100 and larger. Unused slots must be closed with blind caps (KTT995000.2468).  
 Ordering codes for cartridges: KRR99Modl.1880 (available flows and model numbers as per table).

### LARGE

Modl	Flow (l/sec)	$\Delta P$ (kPa)
6216	1,6	14-230
6218	1,8	14-230
6220	2,0	14-230
6222	2,2	15-230
6224	2,4	15-230
6227	2,7	15-230
6230	3,0	16-230
6233	3,3	16-230
6236	3,6	16-230
6240	4,0	17-230
6245	4,5	17-230
6250	5,0	19-230
6255	5,5	19-230
6260	6,0	21-230
6266	6,6	21-230
6273	7,3	25-230
6280	8,0	28-230





## DZR BRASS ON/OFF DIFFERENTIAL PRESSURE CONTROL VALVE (DPCV)

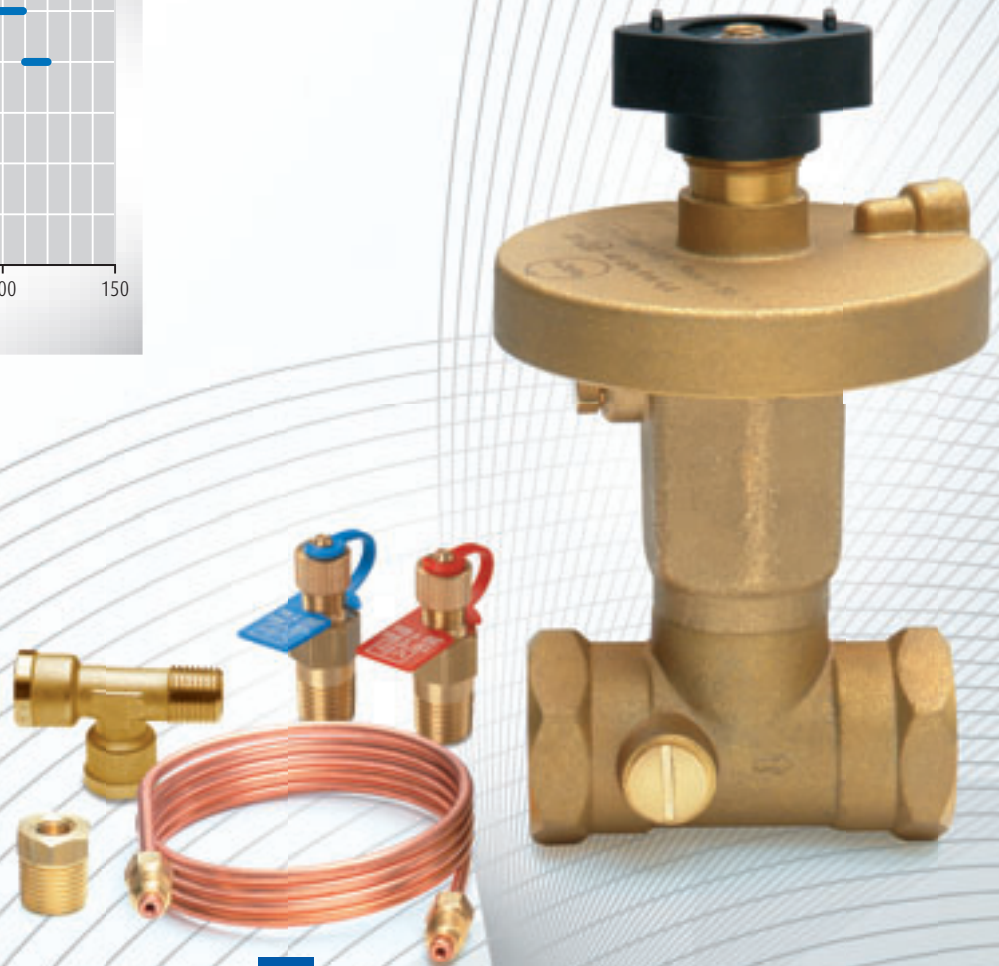
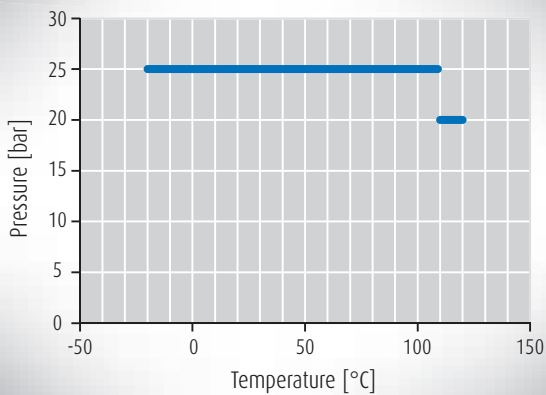
DZR brass ON/OFF differential pressure control valve (DPCV)  
 Threaded F/F (ISO 7/1 Rp)  
 Max differential pressure between inlet/outlet of the valve 250kPa  
 Different regulating  $\Delta P$  ranges available, tolerance on nominal  $\Delta P \pm 25\%$   
 With copper capillary tube (length 1m) and test points included

PN25 (Max 20Bar above 110°C)

Working conditions

- ◆ Suitable for: water, -20°C to +120°C  
 below 0°C only for water with added antifreeze fluids  
 over 100°C only for water with added anti-boiling fluids  
 (Ethylene glycol or propylene glycol mixtures up to 50% may be used)

Code	DN	pcs./box	Wgt (g)	Box (kg)	$\Delta P$ range
FBB00L015.2434	L 015 - L 1/2"	1	650	0,7	5-25 kPa
FBB000015.2434	015 - 1/2"	1	650	0,7	20-40 kPa
FBB00H015.2434	H 015 - H 1/2"	1	650	0,7	20-65 kPa
FBB00L020.2434	L 020 - L 3/4"	1	700	0,7	5-25 kPa
FBB000020.2434	020 - 3/4"	1	700	0,7	20-40 kPa
FBB00H020.2434	H 020 - H 3/4"	1	700	0,7	20-65 kPa
FBB00L025.2434	L 025 - L 1"	1	1650	1,7	5-25 kPa
FBB000025.2434	025 - 1"	1	1650	1,7	20-40 kPa
FBB00H025.2434	H 025 - H 1"	1	1650	1,7	20-65 kPa
FBB00L032.2434	L 032 - L 1 1/4"	1	1850	1,9	5-25 kPa
FBB000032.2434	032 - 1 1/4"	1	1850	1,9	20-40 kPa
FBB00H032.2434	H 032 - H 1 1/4"	1	1850	1,9	20-65 kPa
FBB00L040.2434	L 040 - L 1 1/2"	1	3150	3,2	5-25 kPa
FBB000040.2434	040 - 1 1/2"	1	3400	3,4	20-40 kPa
FBB00H040.2434	H 040 - H 1 1/2"	1	3500	3,5	35-75 kPa
FBB00U050.2434	U 050 - U 2"	1	4000	4,0	5-25 kPa
FBB00L050.2434	L 050 - L 2"	1	4200	4,2	20-40 kPa
FBB000050.2434	050 - 2"	1	4400	4,4	35-75 kPa
FBB00H050.2434	H 050 - H 2"	1	4700	4,7	60-100 kPa





## CAST IRON DIFFERENTIAL PRESSURE CONTROL VALVE

Cast Iron differential pressure control valve  
 Flanged PN16 according to EN1092-2 (ex DIN2533)  
 Available in the following versions:

- ◆ For regulating  $\Delta P$  range 20-80kPa from DN65 to DN150
- ◆ For regulating  $\Delta P$  range 80-160kPa from DN65 to DN100

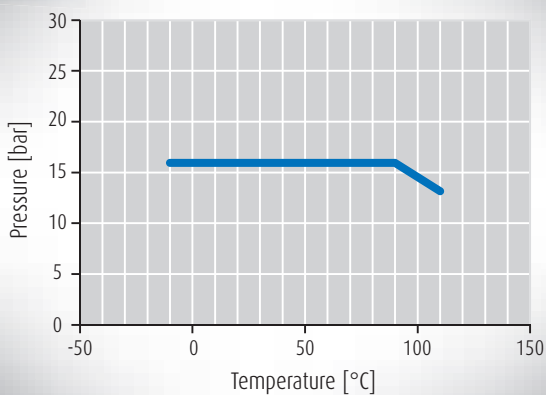
Tolerance on nominal  $\Delta P$   $\pm 10\%$   
 With copper capillary tube, diameter 4mm, length 2m  
 Test points and joints included (refer to installation paragraph)  
 TR CU 010 compliant

PN16 (Max 16bar up to 90°C, max 13bar at 110°C)

### Working conditions

- ◆ Suitable for: water, -10°C to +110°C  
 below 0°C only for water with added antifreeze fluids  
 over 100°C only for water with added anti-boiling fluids  
 (Ethylene glycol or propylene glycol mixtures up to 50% may be used)

Code	DN	pcs./box	Wgt (g)	Box (kg)	$\Delta P$ range
F96550065.2499	L 065 - L 2 1/2"	1	21600	21,6	20-80 kPa
F9655H065.2499	H 065 - H 2 1/2"	1	21600	21,6	80-160 kPa
F96550080.2499	L 080 - L 3"	1	28100	28,1	20-80 kPa
F9655H080.2499	H 080 - H 3"	1	28100	28,1	80-160 kPa
F96550100.2499	L 100 - L 4"	1	33600	33,6	20-80 kPa
F9655H100.2499	H 100 - H 4"	1	33600	33,6	80-160 kPa
F96550125.2499	125 - 5"	1	46400	46,4	20-80 kPa
F96550150.2499	150 - 6"	1	75400	75,4	20-80 kPa





## DZR BRASS PRESSURE INDEPENDENT CONTROL VALVE (PICV)

DZR brass pressure independent control valve (PICV)  
 Threaded M/M for union ends (ISO 228/1)  
 With differential pressure regulator for  $\Delta P$  up to 400kPa  
 Tolerance on nominal regulated flow  $\pm 15\%$   
 Available in the following versions:

- ◆ Fig. 9700, without test points  
 (this does not allow the installation of test points)
- ◆ Fig. 9705, with test points

Flow modulation always use the whole valve stroke  
 (independently from the presetting)  
 With threaded M30x1,5 connection for linear actuator  
 TR CU 010 compliant

PN20 (Max 20bar up to 100°C, max 10bar at 130°C)

### Working conditions

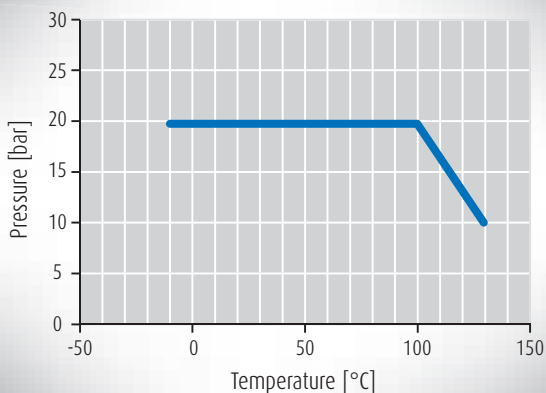
- ◆ Water: -10°C to +130°C  
 below 0°C only for water with added antifreeze fluids  
 over 100°C only for water with added anti-boiling fluids  
 (Ethylene glycol or propylene glycol mixtures up to 50% may be used)

### Fig. 9700

Code	DN	pcs./box	Wgt (g)	Box (kg)	Flow (l/s)
F97000L15.2436	L 015 - L 1/2"	16	380	6,1	0,008-0,039
F97000015.2436	015 - 1/2"	16	380	6,1	0,030-0,150
F97000020.2436	020 - 3/4"	12	570	6,8	0,062-0,311
F97000025.2436	025 - 1"	8	1100	8,8	0,120-0,600
F97000032.2346	032 - 1 1/4"	4	1960	7,8	0,200-1,000

### Fig. 9705

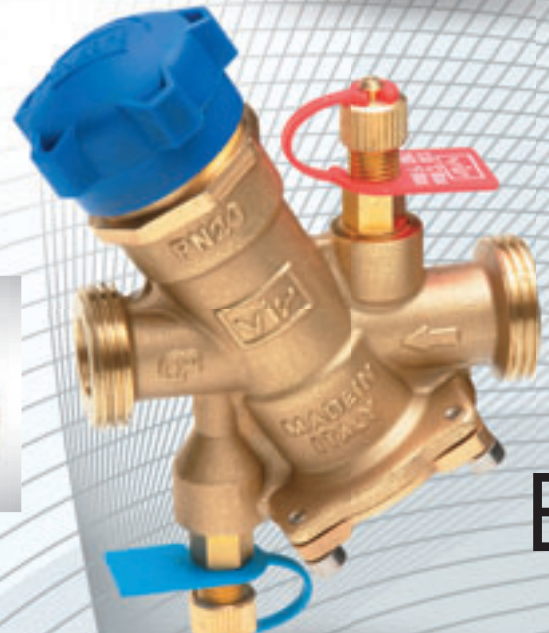
Code	DN	pcs./box	Wgt (g)	Box (kg)	Flow (l/s)
F97050L15.2437	L 015 - L 1/2"	16	420	6,7	0,008-0,039
F97050015.2437	015 - 1/2"	16	420	6,7	0,030-0,150
F97050020.2437	020 - 3/4"	12	600	7,2	0,062-0,311
F97050025.2437	025 - 1"	8	1130	9,0	0,120-0,600
F97050032.2437	032 - 1 1/4"	4	2015	8,1	0,200-1,000



**PATENTED**

### Nut + M threaded (ISO 7/1 Rp) union

Code	DN	pcs./box	Wgt (g)	Box (kg)
KBC9MI015.2517	015 - 1/2"	1	120	0,1
KBC9MI020.2517	020 - 3/4"	1	220	0,2
KBC9MI025.2517	025 - 1"	1	340	0,3



# VAURIEN

## PICV ACTUATOR FOR FIG. 9700 AND FIG. 9705 VALVES

### Vaurien Actuator

ON/OFF linear actuator with threaded connection  
 M30x1,5 threaded nut with fast connection  
 With 1m electric wire  
 Enclosure protection IP54  
 CE compliant

Power supply 50Hz or 60Hz  
 Versions for 230VAC or 24V AC/DC available  
 Normally closed (NC)  
 Normally open (NO) version available on request  
 Working temperature: 0°C to +60°C



### Vaurien Actuator, 230VAC version

Code	DN	pcs./box	Wgt (g)	Box (kg)
KA952AT50.800	100N, up to DN20	1	100	0,1
KA952AT05.800	125N, DN25	1	110	0,1

### Vaurien Actuator, 24V AC/DC version

Code	DN	pcs./box	Wgt (g)	Box (kg)
KA952AT52.800	100N, up to DN20	1	100	0,1
KA952AT07.800	125N, DN25	1	110	0,1

### Vaurien-M Actuator

Code	DN	pcs./box	Wgt (g)	Box (kg)
KA9700000.800	130N, all diameters	1	200	0,2

### Vaurien-M Actuator

Modulating electromechanical linear actuator  
 M30x1,5 threaded connection  
 Max stroke 6,3mm, auto stroke detection  
 Auto-zero self calibration  
 Stroke time 8sec./mm, thrust 130N  
 With 2m electric wire  
 Enclosure protection IP43  
 CE compliant

Power supply 50Hz or 60Hz, 24V AC/DC, power 1,5W  
 0-10V control signal  
 (adjustable for 0-5VDC, 5-10VDC, 2-10VDC, 0-20mA o 4-20mA)  
 Linear characteristic (adjustable for equal-percentage characteristic)  
 Working ambient temperature: 0° to +50°C  
 Working fluid temperature: 0° to +95°C





## CAST IRON PRESSURE INDEPENDENT CONTROL VALVE (PICV)

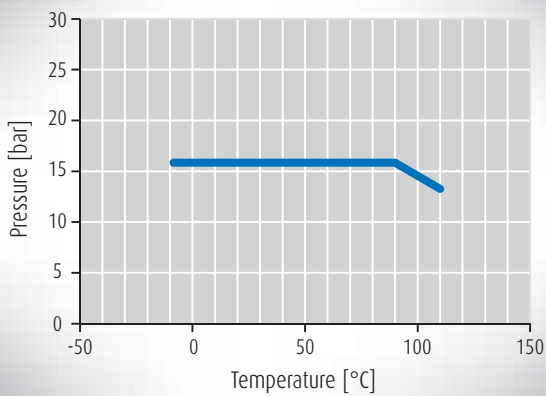
Cast iron pressure independent control valve (PICV)  
 Flanged PN16 according to EN1092-2 (ex DIN2533)  
 With differential pressure regulator for  $\Delta P$  up to 400kPa  
 Tolerance on nominal regulated flow  $\pm 10\%$   
 With 0-10VDC modulating actuator, power supply 50Hz/60Hz 24V AC/DC  
 (IP54, 3,5W, travel 90° in 150 seconds, ambient temp. -30° to +50°C)

PN16 (Max 16bar up to 90°C, max 13bar at 110°C)

### Working conditions

- ◆ Suitable for: water, -10°C to +110°C  
 below 0°C only for water with added antifreeze fluids  
 over 100°C only for water with added anti-boiling fluids  
 (Ethylene glycol or propylene glycol mixtures up to 50% may be used)

Code	DN	pcs./box	Wgt (g)	Box (kg)	Flow (l/s)
F97550065.2712	065 - 2 1/2"	1	23300	23,3	2,67 - 7,22
F97550080.2712	080 - 3"	1	29800	29,8	3,52 - 10,0
F97550100.2712	100 - 4"	1	35300	35,3	7,14 - 22,9
F97550125.2712	125 - 5"	1	48100	48,1	9,88 - 34,7
F97550150.2712	150 - 6"	1	77100	77,1	14,2 - 44,4







## DIRECT-ACTING DZR BRASS PRESSURE REDUCING VALVE

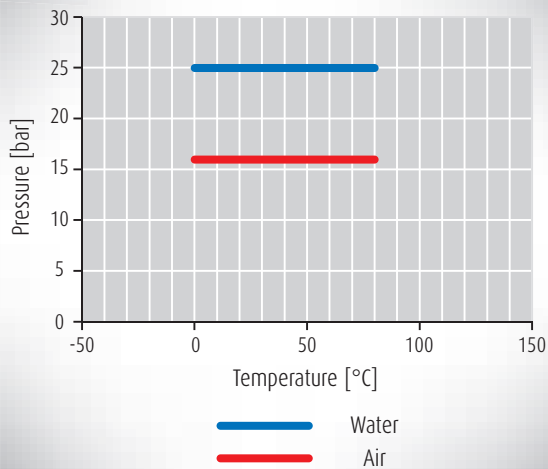
Direct-acting DZR brass pressure reducing valve  
 Threaded F/F (ISO 228/1)  
 Testing according to DIN EN1567  
 Max pressure reduction ratio 10:1  
 Downstream setting pressure range from 0,5bar to 6bar  
 (from 1,5bar to 6,0bar for DN $\geq$ 32)  
 Piston type, pressure compensation system  
 With threaded F (1/4" ISO 228/1) pressure gauge connection  
 WRAS compliant

PN25 (PN16 when used with air)

Working conditions

- ◆ Suitable for: water, 0°C to +80°C
- ◆ Suitable for: air, 0°C to +80°C

Code	DN	pcs./box	Wgt (g)	Box (kg)	Flow (l/s)
F96100015.2718	015 - 1/2"	30	930	27,9	0,5-3,0
F96100020.2718	020 - 3/4"	30	900	27,0	1,0-3,9
F96100025.2718	025 - 1"	15	1340	20,1	2,0-6,0
F96100032.2718	032 - 1 1/4"	6	2090	12,5	4,0-8,0
F96100040.2718	040 - 1 1/2"	6	2180	13,1	4,5-8,5
F96100050.2718	050 - 2"	4	3100	12,4	7,5-10



# WRAS®



# ACCESSORIES FOR BALANCING VALVES



# 9315,95TP

## TEST POINTS

Test point with drain (Fig. 9315)  
 Threaded M (1/4" ISO 7/1R) on valve side  
 Threaded M (1/2" ISO 228/1) on drain side  
 TR CU 010 compliant

PN25 (Max 25bar up to 110°C, max 20bar above)

Working conditions

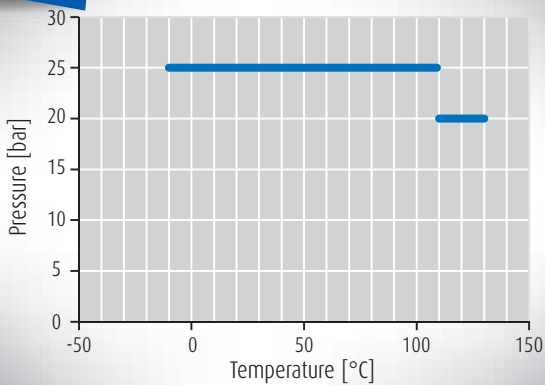
- ◆ Suitable for: water, -10°C to +130°C  
 below 0°C only for water with added antifreeze fluids  
 over 100°C only for water with added anti-boiling fluids  
 (Ethylene glycol or propylene glycol mixtures up to 50% may be used)

**Fig. 9315 (Test point with drain)**

Code	Tag	pcs./box	Wgt (g)	Box(kg)
KDV950008.1151	Red tag	40	160	6,4



**EAC**



DZR brass test point (Fig. 95TP)  
 Threaded M 1/4" (ISO7/1 R)  
 Needle connection threaded M 3/8"-24 (UNF)  
 Optional DZR brass extension threaded M/F 1/4" (ISO7/1 R/Rp)  
 TR CU 010 compliant

PN25 (Max 25bar up to 110°C, max 20bar above)

Working conditions

- ◆ Suitable for: water, -10°C to +130°C  
 below 0°C only for water with added antifreeze fluids  
 over 100°C only for water with added anti-boiling fluids  
 (Ethylene glycol or propylene glycol mixtures up to 50% may be used)

**Fig. 95TP, short version**

Code	Tag	pcs./box	Wgt (g)	Box (kg)
KC95TP008.710	Blue tag	10	32	0,3
KC95TP008.711	Red tag	10	32	0,3

**Fig. 95TP, long version**

Code	Tag	pcs./box	Wgt (g)	Box (kg)
KPR95TP08.2282	Blue tag	10	85	0,9
KPR95TP08.2283	Red tag	10	85	0,9



**EAC**

# T550

## DIFFERENTIAL PRESSURE MANOMETERS

T550F differential pressure manometer with flow calculation  
 Supplied with PC data storage software  
 Portable battery power supply  
 Integral pressure measuring sensor  
 1200 valve type storage capacity  
 20000 data entry capacity  
 1000 Kpa pressure range

Working conditions  
 Working ambient temperature: -5° to +50°C  
 Working fluid temperature: -5° to +90°C

Code	Type	pcs./box	Wgt (g)	Box (kg)
KMMMAND02.720	T550F	1	1800	1,8

### Spare measuring needles

Code	Type	pcs./box	Wgt (g)	Box (kg)
KMM2AG000.1451	-	1	279	0,3



# SHELLS

## POLYETHYLENE CROSS LINKED FOAM SHELLS FOR BALANCING VALVES

Polyethylene cross linked foam

Thickness 30mm

Thermal conductivity (Lambda factor, kcal/mh°C):

- ◆ 0,0298 at 0°C;
- ◆ 0,0303 at 10°C;
- ◆ 0,0326 at 40°C.

With Velcro closure allowing removal and repositioning of the shell

Available for many static and dynamic balancing valve models

Working conditions: -60°C to +90°C

Code	Tag	pcs./box	Wgt (g)	Box (kg)
KSHfig015.1976	015 - 1/2"	1	30	0,1
KSHfig020.1976	020 - 3/4"	1	30	0,1
KSHfig025.1976	025 - 1"	1	30	0,1
KSHfig032.1976	032 - 1 1/4"	1	80	0,1
KSHfig040.1976	040 - 1 1/2"	1	80	0,1
KSHfig050.1976	050 - 2"	1	80	0,1
KSHfig065.1976	065 - 2 1/2"	1	130	0,1
KSHfig080.1976	080 - 3"	1	200	0,2
KSHfig100.1976	100 - 4"	1	320	0,3
KSHfig125.1976	125 - 5"	1	500	0,5
KSHfig150.1976	150 - 6"	1	700	0,7
KSHfig200.1976	200 - 8"	1	1200	1,2
KSHfig250.1976	250 - 10"	1	2000	2,0
KSHfig300.1976	300 - 12"	1	2800	2,8

Ordering code of shells suitable for Fig.9505 and Fig. 9555P: KSH950 mis.1976;

Ordering code of shells suitable for Fig. 9515: KSH95V mis.1976

Shells for other VIR balancing valves available on request



# BALL VALVES





## FULL PORT BRASS BALL VALVE

Chromium plated full port brass ball valve  
 Threaded F/F (ISO 228/1)  
 Design according to MSS-SP110  
 Air testing according to EN12266-1  
 Chromium plated ball, PTFE seats  
 Blow-out proof stem, adjustable PTFE packing  
 With handle or butterfly (up to DN≤50)  
 ACS, VA and TR CU 010 compliant

PN40 for DN≤50 (Max 40bar up to 95°C, max 25bar at 150°C)  
 PN25 for DN≥65 (Max 25bar up to 95°C, max 16bar at 150°C)

### Working conditions

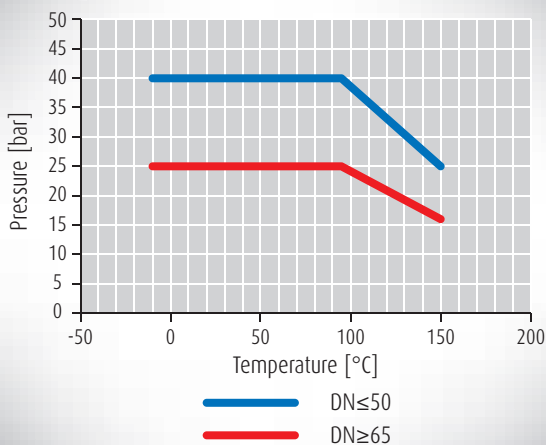
- ◆ Suitable for: water, 0°C to +150°C
- ◆ Suitable for: air, -10°C to +150°C

### Lever handle version

Code	DN	pcs./box	Wgt (g)	Box (kg)
F3400V008.1596	008 - 1/4"	125	110	13,8
F3400V010.1596	010 - 3/8"	125	120	15,0
F3400V015.1596	015 - 1/2"	90	220	19,8
F3400V020.1596	020 - 3/4"	60	305	18,3
F3400V025.1596	025 - 1"	35	520	18,2
F3400V032.1596	032 - 1 1/4"	25	815	20,4
F3400V040.1596	040 - 1 1/2"	16	1210	19,4
F3400V050.1596	050 - 2"	8	1805	14,4
F3400V065.1596	065 - 2 1/2"	6	3345	20,1
F3400V080.1596	080 - 3"	4	5338	21,4
F3400V100.1596	100 - 4"	2	8600	17,2

### Butterfly handle version

Code	DN	pcs./box	Wgt (g)	Box (kg)
F3400V008.1665	008 - 1/4"	125	90	11,3
F3400V010.1665	010 - 3/8"	125	100	12,5
F3400V015.1665	015 - 1/2"	90	195	17,6
F3400V020.1665	020 - 3/4"	60	280	16,8
F3400V025.1665	025 - 1"	35	470	16,5
F3400V032.1665	032 - 1 1/4"	25	765	19,1
F3400V040.1665	040 - 1 1/2"	16	1090	17,4
F3400V050.1665	050 - 2"	8	1685	13,5







## FULL PORT BRASS BALL VALVE WITH DRAIN

Chromium plated full port brass ball valve with drain  
 Threaded F/F (ISO 228/1)  
 Design according to MSS-SP110  
 Air testing according to EN12266-1  
 Chromium plated ball, PTFE seats  
 Blow-out proof stem, adjustable PTFE packing  
 With handle or butterfly  
 ACS, VA and TR CU 010 compliant

PN40 (Max 40bar up to 95°C, max 25bar at 150°C)

### Working conditions

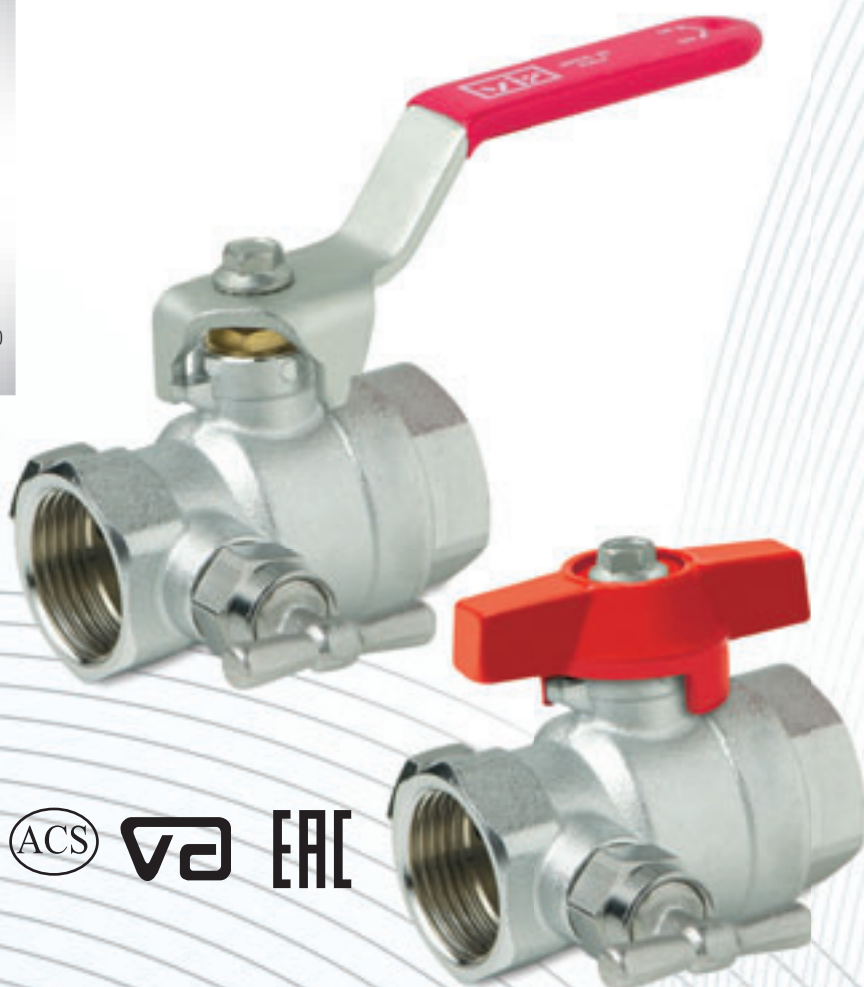
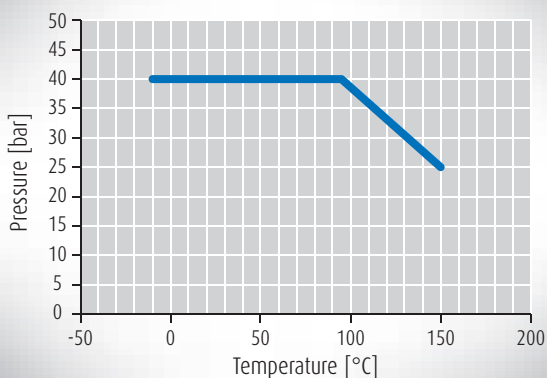
- ◆ Suitable for: water, 0°C to +150°C
- ◆ Suitable for: air, -10°C to +150°C

### Lever handle version

Code	DN	pcs./box	Wgt (g)	Box (kg)
F3420A015.131	015 - 1/2"	80	297	23,8
F3420A020.131	020 - 3/4"	40	382	15,3
F3420A025.131	025 - 1"	40	598	23,9
F3420A032.131	032 - 1 1/4"	20	901	18,0
F3420A040.131	040 - 1 1/2"	16	1314	21,0
F3420A050.131	050 - 2"	8	1947	15,6

### Butterfly handle version

Code	DN	pcs./box	Wgt (g)	Box (kg)
F3420A015.133	015 - 1/2"	80	272	21,8
F3420A020.133	020 - 3/4"	40	357	14,3
F3420A025.133	025 - 1"	40	548	21,9
F3420A032.133	032 - 1 1/4"	20	851	17,0
F3420A040.133	040 - 1 1/2"	16	1194	19,1
F3420A050.133	050 - 2"	8	1872	15,0





## FULL PORT BRASS BALL VALVE WITH REVERSIBLE HANDLE

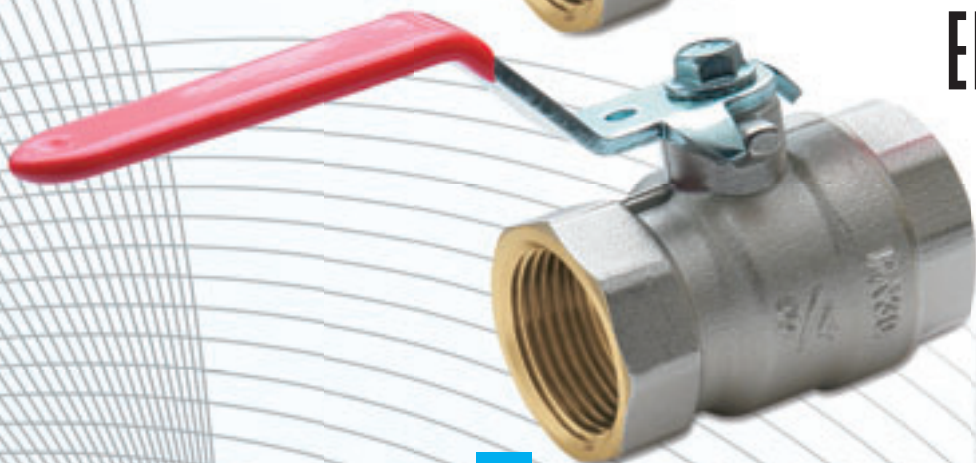
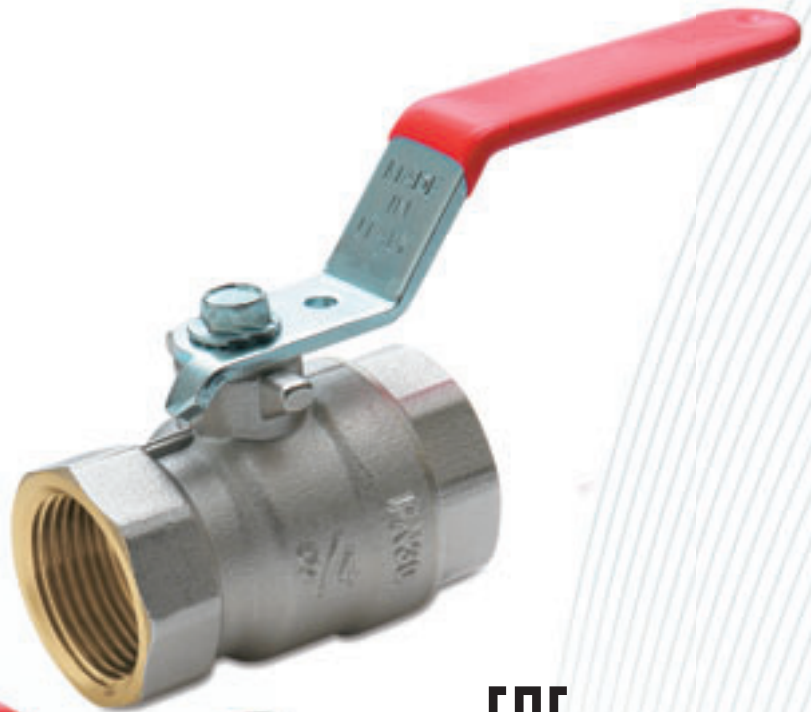
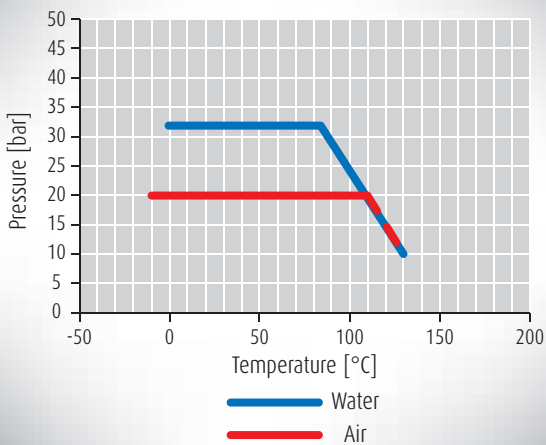
Nickel plated full port brass ball valve  
 Threaded F/F (ISO 228/1)  
 Threads and internal parts not plated  
 Air testing according to EN12266-1  
 Chromium plated ball, PTFE seats  
 Blow-out proof stem, FKM + NBR stem O-rings  
 Reversible handle  
 TR CU 010 compliant

PN32 (Max 32bar up to 85°C, max 10bar at 130°C)  
 When used with air Max 20bar up to 110°C, max 10bar at 130°C

### Working conditions

- ◆ Suitable for: water, 0°C to +130°C
- ◆ Suitable for: air, -10°C to +130°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F33FF0010.2572	010 - 3/8"	125	85	10,6
F33FF0015.2572	015 - 1/2"	100	165	16,5
F33FF0020.2572	020 - 3/4"	70	230	16,1
F33FF0025.2572	025 - 1"	40	390	15,6
F33FF0032.2572	032 - 1 1/4"	25	560	14,0
F33FF0040.2572	040 - 1 1/2"	20	830	16,6
F33FF0050.2572	050 - 2"	10	1310	13,1



**EAC**

# 340LN



## FULL PORT "LONG NECK" BRASS BALL VALVE

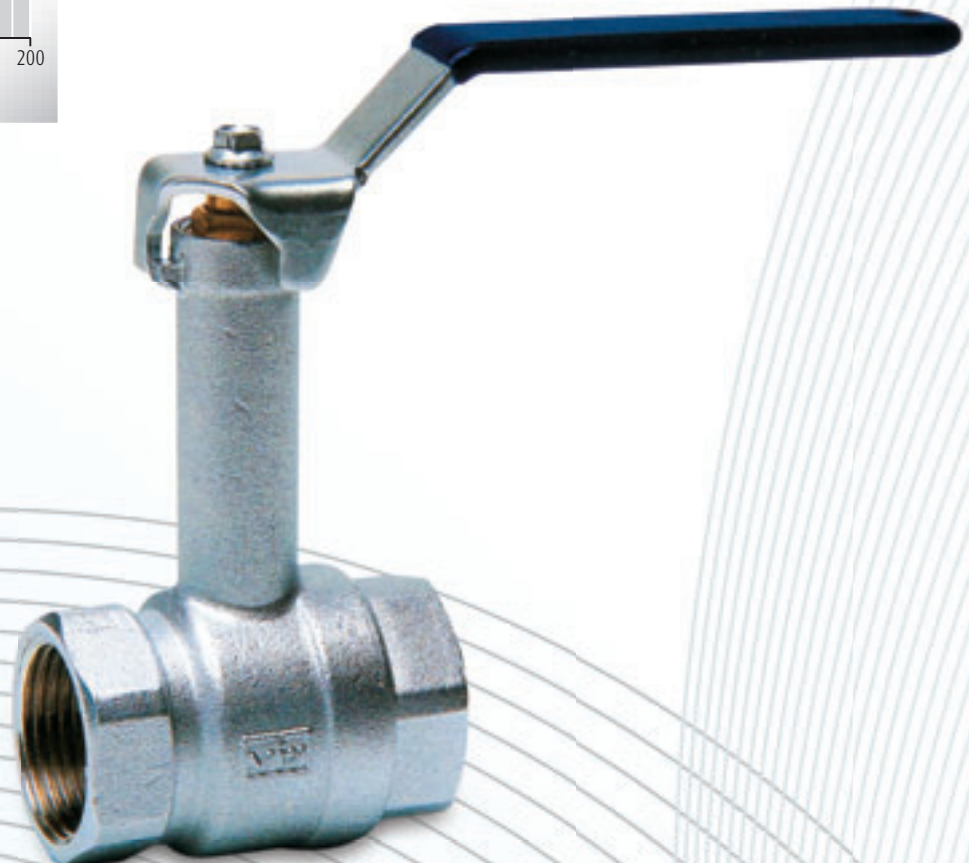
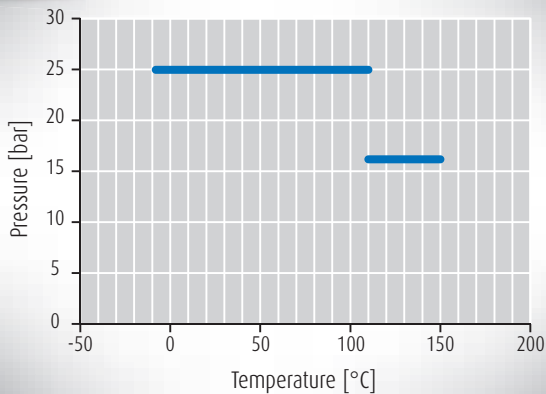
Full port "long neck" brass ball valve  
 Threaded F/F (ISO 228/1)  
 Air testing according EN12266-1  
 Adjustable packing

PN25 (Max 25bar up to 110°C, max 16bar above)

Working conditions

- ◆ Suitable for: water, 0°C to +150°C
- ◆ Suitable for: air, -10°C to +150°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F34L0F010.137	010 - 3/8"	75	225	16,9
F34L0F015.137	015 - 1/2"	50	300	15,0
F34L0F020.137	020 - 3/4"	40	395	15,8
F34L0F025.137	025 - 1"	25	630	15,8
F34L0F032.137	032 - 1 1/4"	15	900	13,5
F34L0F040.137	040 - 1 1/2"	10	1370	13,7
F34L0F050.137	050 - 2"	6	1945	11,7





## FULL PORT "LONG NECK" BRASS BALL VALVE WITH DRAIN

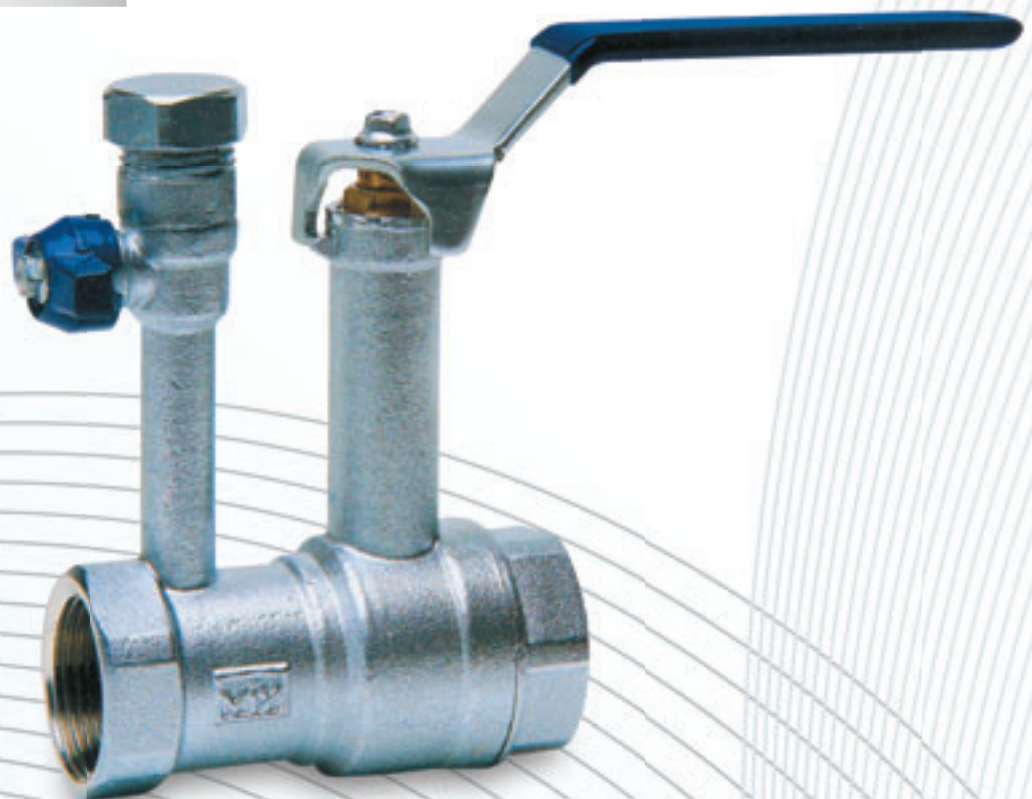
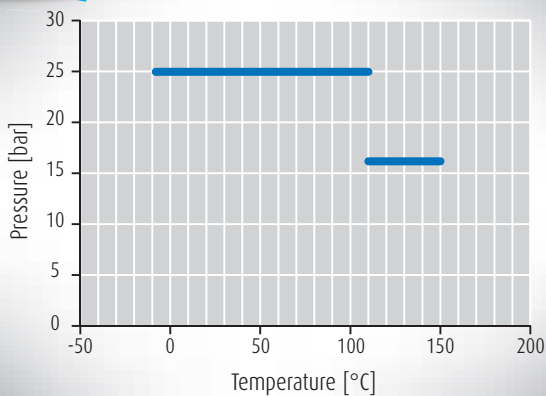
Full port "long neck" brass ball valve with drain  
 Threaded F/F (ISO 228/1)  
 Air testing according EN12266-1  
 Adjustable packing

PN25 (Max 25bar up to 110°C, max 16bar above)

Working conditions

- ◆ Suitable for: water, 0°C to +150°C
- ◆ Suitable for: air, -10°C to +150°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F34D0F010.657	010 - 3/8"	30	390	11,7
F34D0F015.657	015 - 1/2"	25	480	12,0
F34D0F020.657	020 - 3/4"	20	570	11,4
F34D0F025.657	025 - 1"	15	810	12,2
F34D0F032.657	032 - 1 1/4"	12	1080	13,0
F34D0F040.657	040 - 1 1/2"	8	1600	12,8
F34D0F050.657	050 - 2"	6	2250	13,5



# 340TAB

## FULL PORT LOW LEAD BRASS BALL VALVE

Full port low lead brass ball valve  
 Threaded F/F (ASME B1.20.1 - NPT)  
 Design according to MSS-SP110  
 Air testing according to EN12266-1  
 Chromium plated ball, PTFE seats  
 Blow-out proof stem, adjustable PTFE packing  
 With handle or butterfly (up to DN≤50)  
 CSA 1/2psi and 5G compliant up to DN80  
 CGA3.16 compliant up to DN50  
 UL and FM (trim and drain) compliant from DN15 to DN50  
 NSF compliant up to DN50  
 TR CU 010 compliant

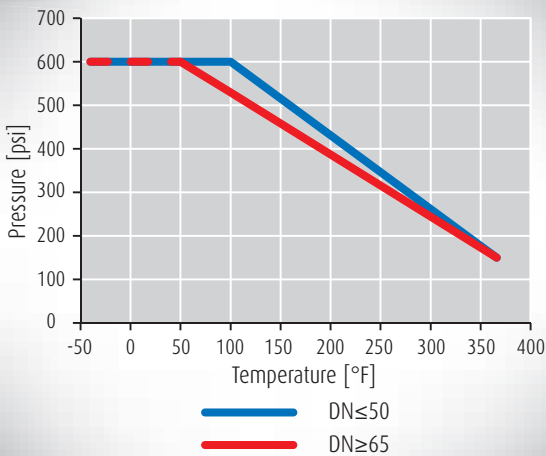
600WOG, 150WSP  
 (Max 600psi up to 100°F (50°F for DN≥65), max 150psi at 366°F)  
 Max 125psi for CSA, Max 600psi (Max 500psi for DN≥32) for UL

### Working conditions

- ◆ Suitable for: water, 32°F to +366°F (0°C to 185°C)
- ◆ Suitable for: air, 14°F to +185°F (10°C to 185°C)
- ◆ Suitable for: gas, -40°F to 149°F (-40°C to 65°C)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F339VR008.2249	008 - 1/4"	80	136	10,9
F339VR010.2249	010 - 3/8"	80	116	9,3
F339VR015.2249	015 - 1/2"	80	222	17,7
F339VR020.2249	020 - 3/4"	60	321	19,3
F339VR025.2249	025 - 1"	45	516	23,2
F339VR032.2249	032 - 1 1/4"	30	773	23,2
F339VR040.2249	040 - 1 1/2"	24	1260	30,2
F339VR050.2249	050 - 2"	15	1830	27,4
F339VR065.2249	065 - 2 1/2"	6	3751	22,5
F339VR080.2249	080 - 3"	4	5132	20,5
F339VR100.2249	100 - 4"	4	7780	31,1

Version with butterfly handle on request



# 340GS, 343GS

## FULL PORT BRASS BALL VALVE WITH SEALABLE SQUARE TOP

Full port brass ball valve

Available in the following versions:

- ◆ Fig. 340GS, threaded F/F (ISO 7/1Rc)
- ◆ Fig. 343GS, threaded M/F (ISO 7/1 R / ISO 7/1Rc)

Air testing according to EN12266-1

Chromium plated ball, PTFE seats

Blow-out proof stem, FKM stem O-rings

With 20mm sealable square top

TR CU 010 compliant

PN25 (Max 25bar up to 95°, max 20bar at 110°C)

Working conditions

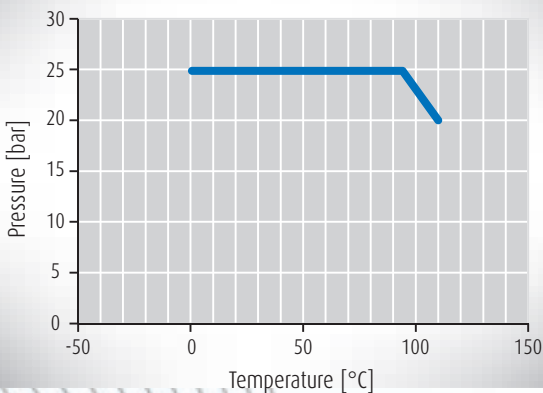
- ◆ Suitable for: water, 0°C to +110°C

**Fig. 340GS**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F340GS015.2047	015 - 1/2"	80	196	15,7
F340GS020.2047	020 - 3/4"	60	273	16,4
F340GS025.2047	025 - 1"	40	421	16,8
F340GS032.2047	032 - 1 1/4"	25	591	14,8
F340GS040.2047	040 - 1 1/2"	16	1005	16,1
F340GS050.2047	050 - 2"	8	1466	11,7

**Fig. 343GS**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F343GS015.2048	015 - 1/2"	80	198	15,8
F343GS020.2048	020 - 3/4"	60	281	16,9
F343GS025.2048	025 - 1"	40	441	17,6
F343GS032.2048	032 - 1 1/4"	25	618	15,5
F343GS040.2048	040 - 1 1/2"	16	1015	16,2
F343GS050.2048	050 - 2"	8	1570	12,6



**EAC**



## FULL PORT BRONZE BALL VALVE

Full port bronze ball valve  
 Threaded F/F (ISO 228/1)  
 (available on request with ASME B1.20.1 NPT threads)  
 Design according to MSS-SP110  
 Air testing according to EN12266-1  
 Chromium plated ball, PTFE seats  
 Blow-out proof stem, adjustable PTFE packing  
 With handle or butterfly (up to DN≤50)  
 TR CU 010 compliant

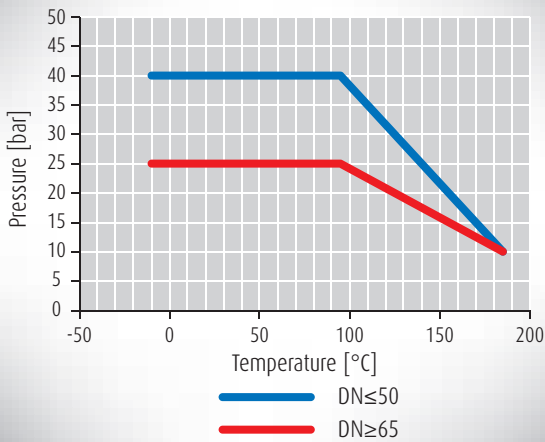
PN40 for DN≤50 (Max 40bar up to 95°C, max 10bar at 185°C)  
 PN25 for DN≥65 (Max 25bar up to 95°C, max 10bar at 185°C)

### Working conditions

- ◆ Suitable for: water, 0°C to +185°C
- ◆ Suitable for: air, -10°C to +185°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F3800B010.916	010 - 3/8"	100	139	13,9
F3800B015.916	015 - 1/2"	50	259	13,0
F3800B020.916	020 - 3/4"	50	364	18,2
F3800B025.916	025 - 1"	25	597	14,9
F3800B032.916	032 - 1 1/4"	20	926	18,5
F3800B040.916	040 - 1 1/2"	12	1414	17,0
F3800B050.916	050 - 2"	8	2102	16,8
F3800B065.916	065 - 2 1/2"	6	4366	26,2
F3800B080.916	080 - 3"	2	6200	12,4

Version with butterfly handle on request



CE EAC



## FULL PORT "LONG NECK" BRONZE BALL VALVE

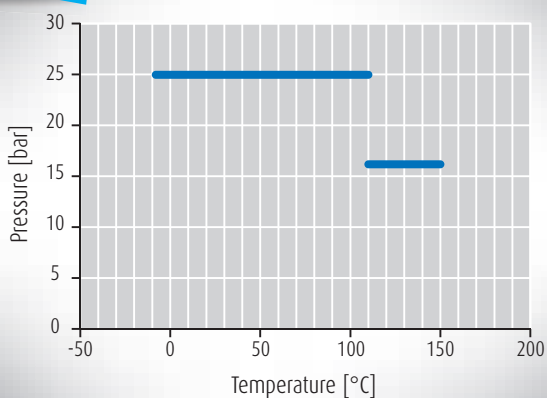
Full port "long neck" bronze ball valve  
 Threaded F/F (ISO 228/1)  
 Air testing according EN12266-1  
 Adjustable packing  
 With handle or butterfly

PN25 (Max 25bar up to 110°C, max 16bar above)

Working conditions

- ◆ Suitable for: water, 0°C to +150°C
- ◆ Suitable for: air, -10°C to +150°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F38LN0015	015 - 1/2"	50	300	15,0
F38LN0020	020 - 3/4"	40	395	15,8
F38LN0025	025 - 1"	25	630	15,8
F38LN0032	032 - 1 1/4"	15	900	13,5
F38LN0040	040 - 1 1/2"	10	1370	13,7
F38LN0050	050 - 2"	6	1945	11,7





# 39BVO

## FULL PORT STAINLESS STEEL BALL VALVE

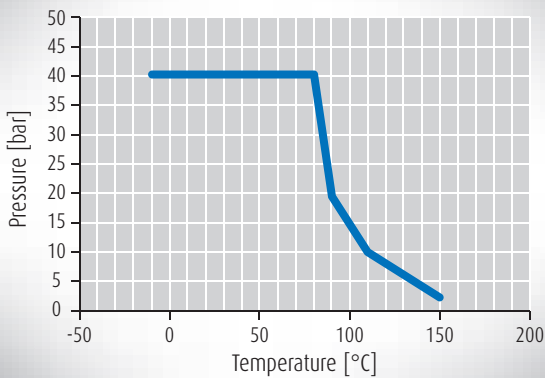
Full port stainless steel 316 ball valve  
 Threaded F/F (ISO 228/1)  
 Stainless steel ball, PTFE seats  
 Blow-out proof stainless steel stem, adjustable PTFE packing  
 TR CU 010 compliant

PN40 (Max 40bar up to 80°C, then according to rating table)

### Working conditions

- ◆ Suitable for: water, -10°C to +150°C  
 below 0°C only for water with added antifreeze fluids  
 over 100°C only for water with added anti-boiling fluids

Code	DN	pcs./box	Wgt (g)	Box (kg)
F39BV0008.1237	008 - 1/4"	1	250	0,3
F39BV0010.1237	010 - 3/8"	1	240	0,2
F39BV0015.1237	015 - 1/2"	1	310	0,3
F39BV0020.1237	020 - 3/4"	1	500	0,5
F39BV0025.1237	025 - 1"	1	810	0,8
F39BV0032.1237	032 - 1 1/4"	1	1250	1,3
F39BV0040.1237	040 - 1 1/2"	1	1940	1,9
F39BV0050.1237	050 - 2"	1	3030	3,0
F39BV0065.1237	065 - 2 1/2"	1	6000	6,0
F39BV0080.1237	080 - 3"	1	9500	9,5
F39BV0100.1237	100 - 4"	1	20000	20,0



ERC

# 5020LN



## FULL PORT LONG NECK BRONZE BALL VALVE

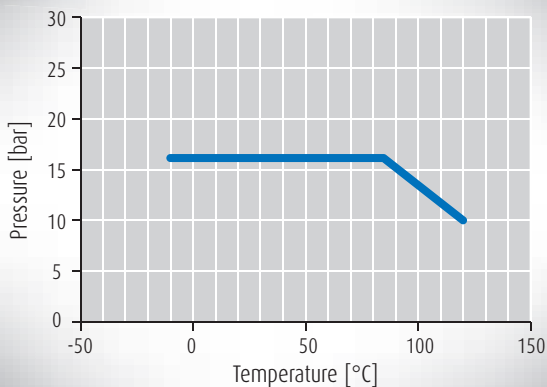
Full port "long neck" bronze ball valve  
 Press-fit/Press-fit (European copper or steel tubing)  
 Design according to MSS-SP110  
 Air testing according to EN12266-1  
 Chromium plated ball, PTFE seats  
 Adjustable PTFE packing  
 Press-fit connection with EPDM O-rings  
 With handle or butterfly  
 TRC CU 010 compliant

PN16 (Max 16bar up to 85°C, max 10bar at 120°C)

### Working conditions

- ◆ Suitable for: water, 0°C to +120°C
- ◆ Suitable for: air, -10°C to +120°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F68LN0012.1638	012	80	277	22,2
F68LN0015.1638	015	50	343	17,2
F68LN0018.1638	018	50	361	18,1
F68LN0022.1638	022	40	473	18,9
F68LN0028.1638	028	30	735	22,1
F68LN0035.1638	035	20	1057	21,1
F68LN0042.1638	042	10	1870	18,7
F68LN0054.1638	054	6	2834	17,0



**ERC**

# 323, 324

## BRASS MINI BALL VALVE

Nickel plated one piece body brass mini ball valve

Available in the following versions:

◆ Fig. 323, threaded F/F (ISO 228/1)

◆ Fig. 324, threaded M/F (ISO 228/1)

Chromium plated ball, PTFE seats

Blow-out proof stem, NBR stem O-ring

TR CU 010 compliant

PN10

Working conditions

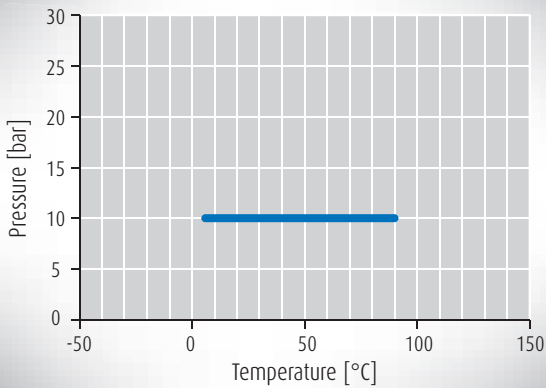
◆ Suitable for: water, 5°C to +90°C

**Fig. 323**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F3230A008.917	008 - 1/4"	50	80	4,0
F3230A010.917	010 - 3/8"	50	72	3,6
F3230A015.917	015 - 1/2"	50	100	5,0
F3230A020.917	020 - 3/4"	25	200	5,0

**Fig. 324**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F3240A008.917	008 - 1/4"	50	95	4,8
F3240A010.917	010 - 3/8"	50	80	4,0
F3240A015.917	015 - 1/2"	50	115	5,8
F3240A020.917	020 - 3/4"	25	210	5,3



**EAC**

# 3WT, 3WL



## REDUCED PORT 3-WAY BRASS BALL VALVE

Reduced port 3-way brass ball valve  
 Threaded F/F/F (ISO 228/1)  
 2 seats sealing  
 Chromium plated ball, PTFE seats  
 Blow-out proof stem, FKM + NBR stem O-rings  
 Available in the following versions:  
 ◆ with "L" machined ball  
 ◆ with "T" machined ball

PN25  
 For DN≤50 (Max 25bar up to 95°C, max 16bar with air or above 95°C)  
 For DN≥65 (Max 25bar up to 95°C, max 10bar with air or above 95°C)

### Working conditions

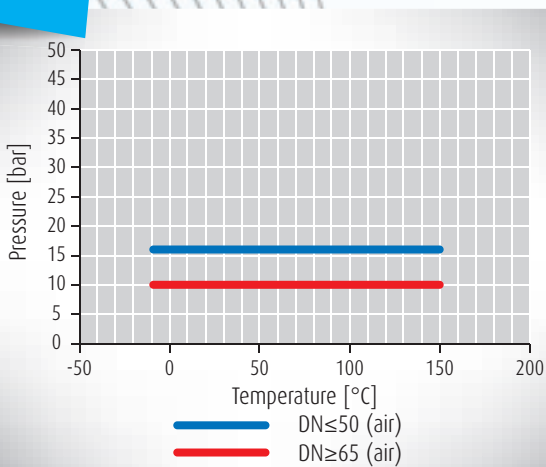
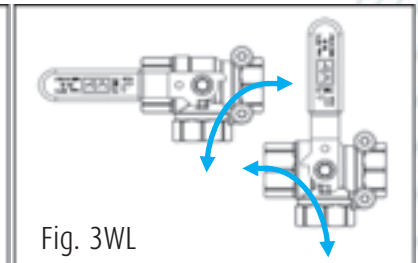
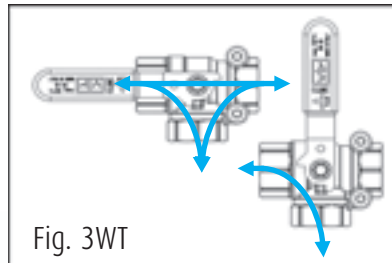
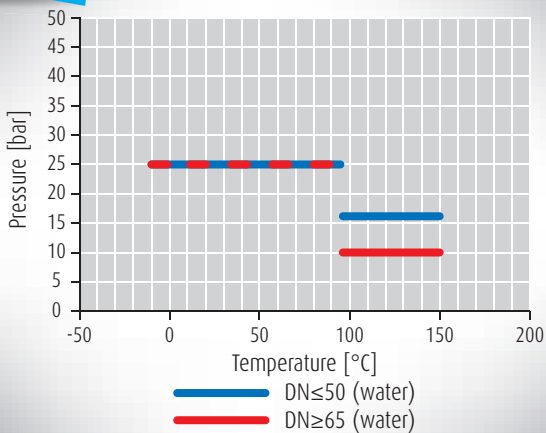
- ◆ Suitable for: water, 0°C to +150°C
- ◆ Suitable for: air, -10°C to +150°C

**Fig. 3WT**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F3TT00010.2719	010 - 3/8"	50	160	8,0
F3TT00015.2719	015 - 1/2"	50	207	10,4
F3TT00020.2719	020 - 3/4"	25	388	9,7
F3TT00025.2719	025 - 1"	25	586	14,7
F3TT00032.2719	032 - 1 1/4"	15	853	12,8
F3TT00040.2719	040 - 1 1/2"	10	1264	12,6
F3TT00050.2719	050 - 2"	6	2087	12,5
F3TT00065.2719	065 - 2 1/2"	3	3715	11,1
F3TT00080.2719	080 - 3"	2	5764	11,5

**Fig. 3WL**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F3TL00010.847	010 - 3/8"	50	167	8,3
F3TL00015.847	015 - 1/2"	50	214	10,7
F3TL00020.847	020 - 3/4"	25	391	9,8
F3TL00025.847	025 - 1"	25	599	15,0
F3TL00032.847	032 - 1 1/4"	15	909	13,6
F3TL00040.847	040 - 1 1/2"	10	1325	13,3
F3TL00050.847	050 - 2"	6	2219	13,3
F3TL00065.847	065 - 2 1/2"	3	3776	11,3
F3TL00080.847	080 - 3"	2	5896	11,8





## BRASS BALL BIB COCK

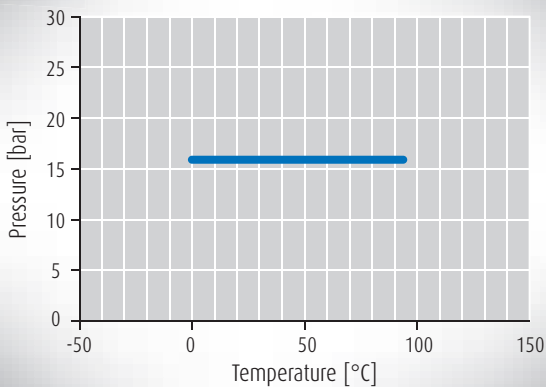
Nickel plated brass ball bib cock  
 Threaded M (ISO 228/1) with hose union  
 Air testing according to EN12266-1  
 Chromium plated ball, PTFE seats  
 Blow-out proof stem, NBR stem O-rings  
 With handle or butterfly  
 DN15 and DN20 also available with check cartridge (Fig. 310NR)  
 TR CU 010 compliant, optional ACS compliant version available

PN16

Working conditions

◆ Suitable for: water, 0°C to +95°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F310K0015.1779	015 - 1/2"	14	185	2,6
F310K0020.1779	020 - 3/4"	8	278	2,2
F310K0025.1779	025 - 1"	5	445	2,2





## POLYPROPYLENE BALL BIB COCK

Polypropylene ball bib cock  
 Threaded M (ISO 228/1) + hose union  
 One piece body  
 Brass internal parts and hose union  
 (plastic hose union available as option)  
 Chromium plated brass ball, PTFE seats  
 Blow-out proof brass stem, NBR stem O-rings  
 With handle or butterfly  
 TR CU 010 compliant

PN16

Working conditions

◆ Suitable for: water, 0°C to +75°C

### Lever handle version, brass hose union

Code	DN	pcs./box	Wgt (g)	Box (kg)
F2100L010.247	010 - 3/8"	50	143	7,2
F2100L015.247	015 - 1/2"	40	147	5,9
F2100L020.247	020 - 3/4"	25	246	6,2
F2100L025.247	025 - 1"	15	379	5,7

### Butterfly handle version, brass hose union

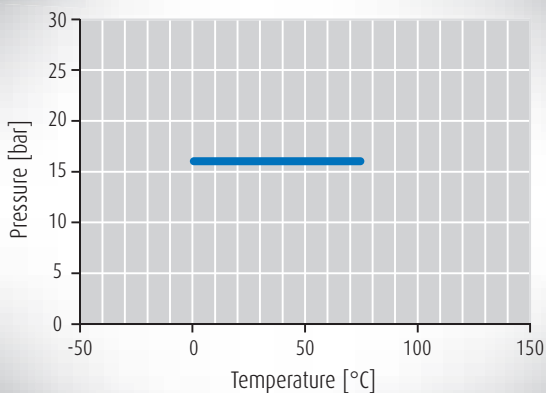
Code	DN	pcs./box	Wgt (g)	Box (kg)
F2100L010.246	010 - 3/8"	50	140	7,0
F2100L015.246	015 - 1/2"	40	144	5,8
F2100L020.246	020 - 3/4"	25	245	6,1
F2100L025.246	025 - 1"	15	378	5,7

### Lever handle version, plastic hose union

Code	DN	pcs./box	Wgt (g)	Box (kg)
F2100L010.836	010 - 3/8"	50	129	6,4
F2100L015.836	015 - 1/2"	40	133	5,3
F2100L020.2737	020 - 3/4"	25	220	5,5

### Butterfly handle version, plastic hose union

Code	DN	pcs./box	Wgt (g)	Box (kg)
F2100L010.893	010 - 3/8"	50	126	6,3
F2100L015.893	015 - 1/2"	40	130	5,2
F2100L020.2738	020 - 3/4"	25	219	5,5



EAC

# 322

## BOILER DRAIN VALVE

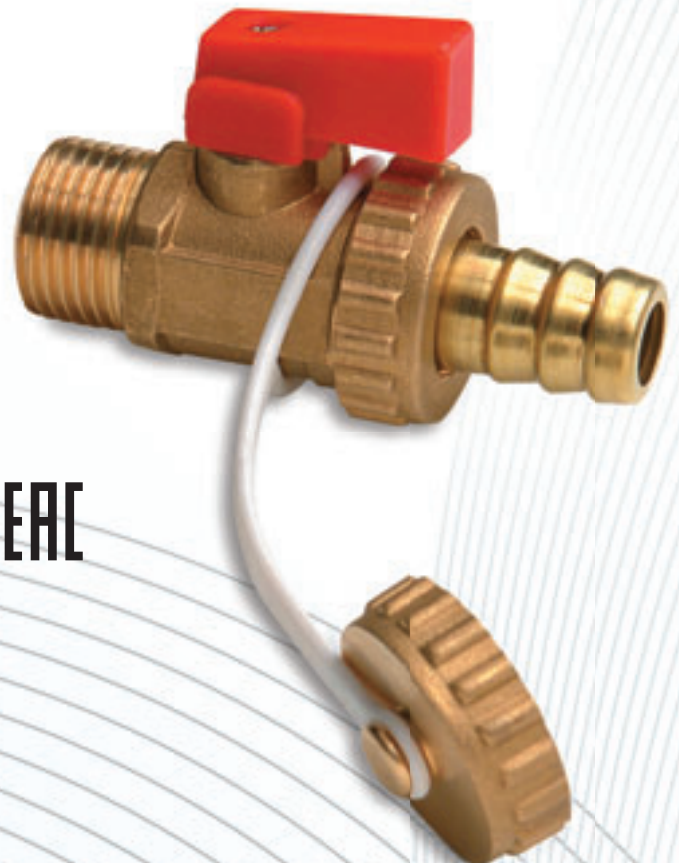
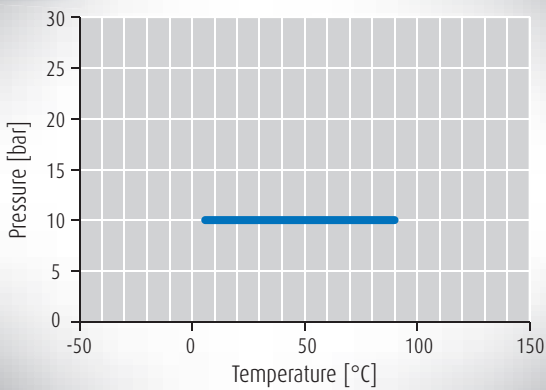
One piece body boiler drain valve  
 Chromium plated ball, PTFE seats  
 Blow-out proof stem, EPDM stem O-rings  
 NBR/SBR gaskets on drain  
 TR CU 010 compliant

PN10

Working conditions

◆ Suitable for: water, 5°C to +90°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F3220A015.1579	015 - 1/2"	100	143	14,3
F3220A020.1579	020 - 3/4"	100	157	15,7



**EAC**

# SPARE PARTS

## SPARE HANDLES FOR BALL VALVES

Spare handles for  
Fig. 340G, 380, 380LN and 340TAB



### Stainless steel handles

Code	DN	pcs./box	Wgt (g)	Box (kg)
KXM301008.1196	DN08/DN10	500	22	11,0
KXM301015.1196	DN15/DN20	250	40	10,0
KXM301025.1196	DN25/DN32	150	65	9,8
KXM301040.1196	DN40/DN50	100	116	11,6
KXM301065.1196	DN65/DN100	50	405	20,3

### Butterfly handles

Code	DN	pcs./box	Wgt (g)	Box (kg)
KXF300008.379	DN08/DN10	500	16	8,0
KXF300015.379	DN15/DN20	500	28	14,0
KXF300025.379	DN25/DN32	250	44	11,0
KXF300040.379	DN40/DN50	250	86	21,5

Spare handles for  
Fig. 340, 340LN, 340LD and 342



### Geomet handles

Code	DN	pcs./box	Wgt (g)	Box (kg)
KXM300008.438	DN08/DN10	500	25	12,5
KXM300015.438	DN15/DN20	250	49	12,3
KXM300025.438	DN25/DN32	150	75	11,3
KXM300040.438	DN40/DN50	100	130	13,0
KXM300065.438	DN65	50	275	13,8
KXM300100.438	DN80/DN100	25	524	13,1

### Stainless steel handles

Code	DN	pcs./box	Wgt (g)	Box (kg)
KXM300008.354	DN08/DN10	500	25	12,5
KXM300015.354	DN15/DN20	250	49	12,3
KXM300025.354	DN25/DN32	150	75	11,3
KXM300040.354	DN40/DN50	100	130	13,0
KXM300065.354	DN65	50	275	13,8
KXM300100.354	DN80/DN100	25	524	13,1

### Aluminum butterfly handles

Code	DN	pcs./box	Wgt (g)	Box (kg)
KXF300008.359	DN08/DN10	500	8	4,0
KXF300015.359	DN15/DN20	500	20	10,0
KXF300025.359	DN25/DN32	250	30	7,5
KXF300040.359	DN40/DN50	200	44	8,8



# SPARE PARTS

## LOCKABLE HANDLES AND STEM EXTENSIONS

Lock One:  
Device allowing padlocking  
for Fig. 340G



Code	DN	pcs./box	Wgt (g)	Box (kg)
K3000N008.279	DN08/DN10	100	3	0,3
K3000N015.279	DN15/DN20	100	6	0,6
K3000N025.279	DN25/DN32	100	8	0,8
K3000N040.279	DN40/DN50	50	13	0,7
K3000N065.279	DN65/DN100	6	36	0,2

Lockable handle for  
Fig. 340 and 342



Code	DN	pcs./box	Wgt (g)	Box (kg)
KXM303008.998	DN08/DN10	500	34	17,0
KXM303015.998	DN15/DN20	400	59	23,6
KXM303025.998	DN25/DN32	200	87	17,4
KXM303040.998	DN40/DN50	200	142	28,4

Lock One kit for  
Fig. 340 and 342



Code	DN	pcs./box	Wgt (g)	Box (kg)
K3000K008.656	DN08/DN10	100	59	5,9
K3000K015.656	DN15/DN20	100	90	9,0
K3000K025.656	DN25/DN32	100	150	15,0
K3000K040.656	DN40/DN50	50	290	14,5
K3000K065.656	DN65/DN100	6	665	4,0

Aluminum extension and brass rod (steel parts for Fig. 390 and Fig 390G models)



**For Fig. 340 and 342**

Code	DN	pcs./box	Wgt (g)	Box (kg)
K3000X008.277	DN08/DN10	250	30	7,5
K3000X015.277	DN15/DN20	250	59	14,8
K3000X025.277	DN25/DN32	100	78	7,8
K3000X040.277	DN40/DN50	50	90	4,5

**For Fig. 330F**

Code	DN	pcs./box	Wgt (g)	Box (kg)
KPR33X008.2810	DN08/DN10	250	30	7,5
KPR33X015.2810	DN15/DN20	250	59	14,8
KPR33X025.2810	DN25/DN32	100	78	7,8
KPR33X040.2810	DN40/DN50	50	90	4,5

**For Fig. 340TAB and 380**

Code	DN	pcs./box	Wgt (g)	Box (kg)
K3000X008.278	DN08/DN10	250	30	7,5
K3000X015.278	DN15/DN20	250	59	14,8
K3000X025.278	DN25/DN32	100	78	7,8
K3000X040.278	DN40/DN50	50	90	4,5

**For Fig. 330**

Code	DN	pcs./box	Wgt (g)	Box (kg)
KPR5C0015.2131	DN15/DN20	400	50	20,0
KPR5C0025.2131	DN25/DN32	200	83	16,6
KPR5C0040.2131	DN40/DN50	100	117	11,7

**For Fig. 390 and 390G**

Code	DN	pcs./box	Wgt (g)	Box (kg)
KPR390040.266	DN40/DN50	1	500	0,5
KPR390065.266	DN65/DN100	1	1000	1,0
KPR390125.266	DN125/DN150	1	3000	3,0



# BUTTERFLY VALVES





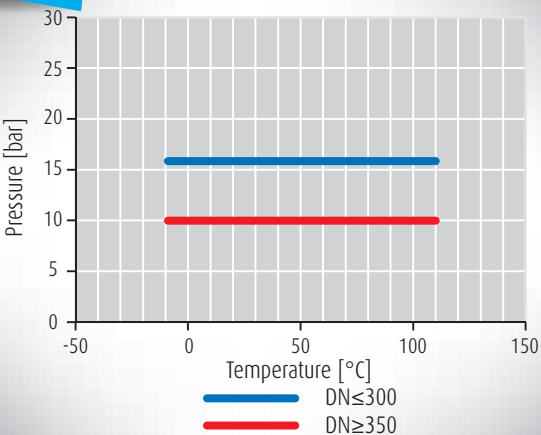
## DUCTILE IRON WAFER BUTTERFLY VALVE (DUCTILE IRON DISC AND EPDM SEAT)

Ductile iron Wafer butterfly valve  
 For EN1092 PN16 flanges (also PN10 for DN≤150)  
 Lengths according to EN558-1 series 20 (ex DIN3202 K1)  
 Design according to EN593  
 Testing according to EN12266-1  
 Epoxy coating (min. 150µm)  
 Nickel plated ductile iron disc  
 EPDM seat, EPDM stem O-rings, PTFE bushing  
 With lever or manual gear  
 With ISO 5211 flange for electric or pneumatic actuator  
 TR CU 010 compliant

PN16 (PN10 for DN≥350)  
 Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

### Working conditions

- ◆ Suitable for: water, -10°C to +110°C  
 below 0°C only for water with added antifreeze fluids
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/EU)



**Fig. 4020L, valve with lever**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F4020L032.927	032 - 1 1/4"	1	2800	2,8
F4020L040.927	040 - 1 1/2"	1	3100	3,1
F4020L050.927	050 - 2"	1	3800	3,8
F4020L065.927	065 - 2 1/2"	1	4500	4,5
F4020L080.927	080 - 3"	1	5000	5,0
F4020L100.927	100 - 4"	1	6600	6,6
F4020L125.927	125 - 5"	1	7900	7,9
F4020L150.927	150 - 6"	1	9400	9,4
F4020L200.927	200 - 8"	1	14700	14,7
F4020L250.927	250 - 10"	1	21200	21,2
F4020L300.927	300 - 12"	1	33000	33,0

**Fig. 4020G, valve with gear**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F4020G032.928	032 - 1 1/4"	1	6900	6,9
F4020G040.928	040 - 1 1/2"	1	7200	7,2
F4020G050.928	050 - 2"	1	7900	7,9
F4020G065.928	065 - 2 1/2"	1	8600	8,6
F4020G080.928	080 - 3"	1	9100	9,1
F4020G100.928	100 - 4"	1	10700	10,7
F4020G125.928	125 - 5"	1	12000	12,0
F4020G150.928	150 - 6"	1	13400	13,4
F4020G200.928	200 - 8"	1	25700	25,7
F4020G250.928	250 - 10"	1	32200	32,2
F4020G300.928	300 - 12"	1	46000	46,0
F4020G350.928	350 - 14"	1	58800	58,8
F4020G400.928	400 - 16"	1	101200	101,2
F4020G450.928	450 - 18"	1	117700	117,7
F4020G500.928	500 - 20"	1	160100	160,1
F4020G600.928	600 - 24"	1	257500	257,5



**EAC**



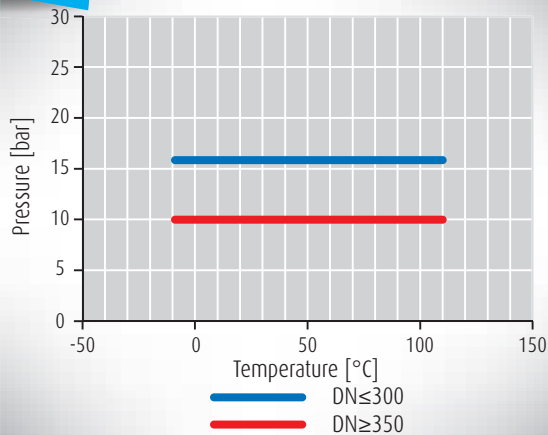
## DUCTILE IRON WAFER BUTTERFLY VALVE (STAINLESS STEEL DISC AND EPDM SEAT)

Ductile iron Wafer butterfly valve  
 For EN1092 PN16 flanges (also PN10 for DN≤150)  
 Lengths according to EN558-1 series 20 (ex DIN3202 K1)  
 Design according to EN593  
 Testing according to EN12266-1  
 Epoxy coating (min. 150µm)  
 Stainless steel disc  
 EPDM seat, EPDM stem O-rings, PTFE bushing  
 With lever or manual gear  
 With ISO 5211 flange for electric or pneumatic actuator  
 TR CU 010 compliant

PN16 (PN10 for DN≥350)  
 Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

### Working conditions

- ◆ Suitable for: water, -10°C to +110°C  
 below 0°C only for water with added antifreeze fluids
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/EU)



**Fig. 4025L, valve with lever**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F4025L032.929	032 - 1 1/4"	1	2800	2,8
F4025L040.929	040 - 1 1/2"	1	3100	3,1
F4025L050.929	050 - 2"	1	3800	3,8
F4025L065.929	065 - 2 1/2"	1	4500	4,5
F4025L080.929	080 - 3"	1	5000	5,0
F4025L100.929	100 - 4"	1	6600	6,6
F4025L125.929	125 - 5"	1	7900	7,9
F4025L150.929	150 - 6"	1	9400	9,4
F4025L200.929	200 - 8"	1	14700	14,7
F4025L250.929	250 - 10"	1	21200	21,2
F4025L300.929	300 - 12"	1	33000	33,0

**Fig. 4025G, valve with gear**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F4025G032.1009	032 - 1 1/4"	1	6900	6,9
F4025G040.1009	040 - 1 1/2"	1	7200	7,2
F4025G050.1009	050 - 2"	1	7900	7,9
F4025G065.1009	065 - 2 1/2"	1	8600	8,6
F4025G080.1009	080 - 3"	1	9100	9,1
F4025G100.1009	100 - 4"	1	10700	10,7
F4025G125.1009	125 - 5"	1	12000	12,0
F4025G150.1009	150 - 6"	1	13400	13,4
F4025G200.1009	200 - 8"	1	25700	25,7
F4025G250.1009	250 - 10"	1	32200	32,2
F4025G300.1009	300 - 12"	1	46000	46,0
F4025G350.1009	350 - 14"	1	58800	58,8
F4025G400.1009	400 - 16"	1	101200	101,2
F4025G450.1009	450 - 18"	1	117700	117,7
F4025G500.1009	500 - 20"	1	160100	160,1
F4025G600.1009	600 - 24"	1	257500	257,5





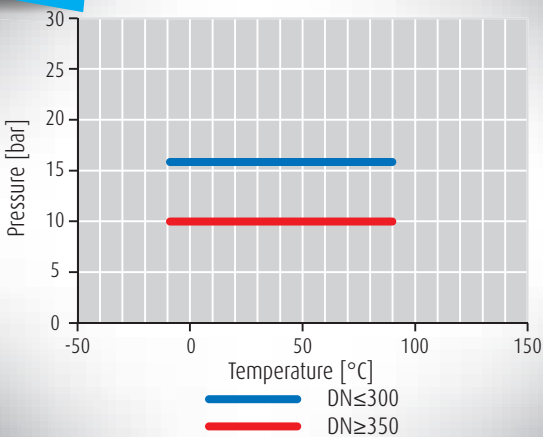
## DUCTILE IRON WAFER BUTTERFLY VALVE (STAINLESS STEEL DISC AND NBR SEAT)

Ductile iron Wafer butterfly valve  
 For EN1092 PN16 flanges (also PN10 for DN≤150)  
 Lengths according to EN558-1 series 20 (ex DIN3202 K1)  
 Design according to EN593  
 Testing according to EN12266-1  
 Epoxy coating (min. 150µm)  
 Stainless steel disc  
 NBR seat, FKM stem O-rings, PTFE bushing  
 With lever or manual gear  
 With ISO 5211 flange for electric or pneumatic actuator  
 TR CU 010 compliant

PN16 (PN10 for DN≥350)  
 Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

### Working conditions

- ◆ Suitable for: water, -10°C to +90°C  
 below 0°C only for water with added antifreeze fluids
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/EU)



**Fig. 4029L, valve with lever**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F4029L032.929	032 - 1 1/4"	1	2800	2,8
F4029L040.929	040 - 1 1/2"	1	3100	3,1
F4029L050.929	050 - 2"	1	3800	3,8
F4029L065.929	065 - 2 1/2"	1	4500	4,5
F4029L080.929	080 - 3"	1	5000	5,0
F4029L100.929	100 - 4"	1	6600	6,6
F4029L125.929	125 - 5"	1	7900	7,9
F4029L150.929	150 - 6"	1	9400	9,4
F4029L200.929	200 - 8"	1	14700	14,7
F4029L250.929	250 - 10"	1	21200	21,2
F4029L300.929	300 - 12"	1	33000	33,0

**Fig. 4029G, valve with gear**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F4029G032.1009	032 - 1 1/4"	1	6900	6,9
F4029G040.1009	040 - 1 1/2"	1	7200	7,2
F4029G050.1009	050 - 2"	1	7900	7,9
F4029G065.1009	065 - 2 1/2"	1	8600	8,6
F4029G080.1009	080 - 3"	1	9100	9,1
F4029G100.1009	100 - 4"	1	10700	10,7
F4029G125.1009	125 - 5"	1	12000	12,0
F4029G150.1009	150 - 6"	1	13400	13,4
F4029G200.1009	200 - 8"	1	25700	25,7
F4029G250.1009	250 - 10"	1	32200	32,2
F4029G300.1009	300 - 12"	1	46000	46,0
F4029G350.1009	350 - 14"	1	58800	58,8
F4029G400.1009	400 - 16"	1	101200	101,2
F4029G450.1009	450 - 18"	1	117700	117,7
F4029G500.1009	500 - 20"	1	160100	160,1
F4029G600.1009	600 - 24"	1	257500	257,5



**ERC**



## DUCTILE IRON LUG BUTTERFLY VALVE (DUCTILE IRON DISC AND EPDM SEAT)

Ductile iron Lug butterfly valve  
 For EN1092 PN16 flanges (also PN10 for DN≤150)  
 Lengths according to EN558-1 series 20 (ex DIN3202 K1)  
 Design according to EN593  
 Testing according to EN12266-1  
 Epoxy coating (min. 150µm)  
 Nickel plated ductile iron disc  
 EPDM seat, EPDM stem O-rings, PTFE bushing  
 With lever or manual gear  
 With ISO 5211 flange for electric or pneumatic actuator  
 TR CU 010 compliant

PN16 (PN10 for DN≥350)  
 Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

### Working conditions

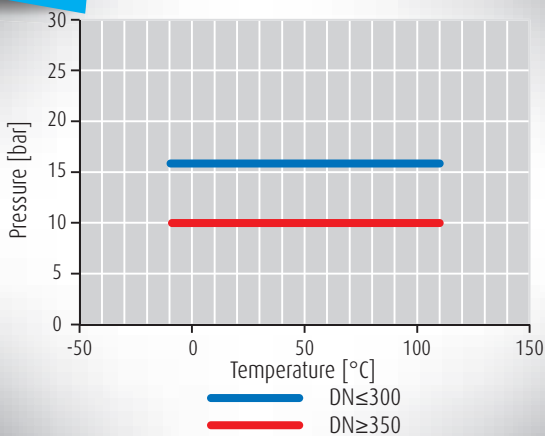
- ◆ Suitable for: water, -10°C to +110°C  
 below 0°C only for water with added antifreeze fluids
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/EU)

**Fig. 4320L, valve with lever**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F4320L032.927	032 - 1 1/4"	1	3500	3,5
F4320L040.927	040 - 1 1/2"	1	3800	3,8
F4320L050.927	050 - 2"	1	5200	5,2
F4320L065.927	065 - 2 1/2"	1	5500	5,5
F4320L080.927	080 - 3"	1	5900	5,9
F4320L100.927	100 - 4"	1	9300	9,3
F4320L125.927	125 - 5"	1	12900	12,9
F4320L150.927	150 - 6"	1	13700	13,7
F4320L200.927	200 - 8"	1	19500	19,5
F4320L250.927	250 - 10"	1	29700	29,7
F4320L300.927	300 - 12"	1	45200	45,2

**Fig. 4320G, valve with gear**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F4320G032.928	032 - 1 1/4"	1	7600	7,6
F4320G040.928	040 - 1 1/2"	1	7900	7,9
F4320G050.928	050 - 2"	1	9300	9,3
F4320G065.928	065 - 2 1/2"	1	9600	9,6
F4320G080.928	080 - 3"	1	10000	10,0
F4320G100.928	100 - 4"	1	13400	13,4
F4320G125.928	125 - 5"	1	17000	17,0
F4320G150.928	150 - 6"	1	17800	17,8
F4320G200.928	200 - 8"	1	30500	30,5
F4320G250.928	250 - 10"	1	40700	40,7
F4320G300.928	300 - 12"	1	58200	58,2
F4320G350.928	350 - 14"	1	81300	81,3
F4320G400.928	400 - 16"	1	138200	138,2
F4320G450.928	450 - 18"	1	158700	158,7
F4320G500.928	500 - 20"	1	226600	226,6
F4320G600.928	600 - 24"	1	315500	315,5



**EAC**



## DUCTILE IRON LUG BUTTERFLY VALVE (STAINLESS STEEL DISC AND EPDM SEAT)

Ductile iron Lug butterfly valve  
 For EN1092 PN16 flanges (also PN10 for DN≤150)  
 Lengths according to EN558-1 series 20 (ex DIN3202 K1)  
 Design according to EN593  
 Testing according to EN12266-1  
 Epoxy coating (min. 150µm)  
 Stainless steel disc  
 EPDM seat, EPDM stem O-rings, PTFE bushing  
 With lever or manual gear  
 With ISO 5211 flange for electric or pneumatic actuator  
 TR CU 010 compliant

PN16 (PN10 for DN≥350)  
 Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

### Working conditions

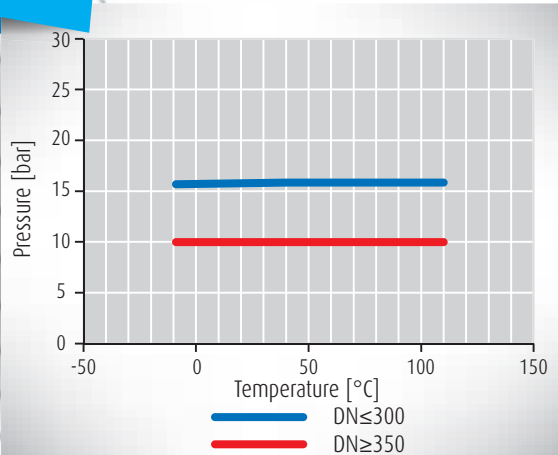
- ◆ Suitable for: water, -10°C to +110°C  
 below 0°C only for water with added antifreeze fluids
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/EU)

**Fig. 4325L, valve with lever**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F4325L032.929	032 - 1 1/4"	1	3500	3,5
F4325L040.929	040 - 1 1/2"	1	3800	3,8
F4325L050.929	050 - 2"	1	5200	5,2
F4325L065.929	065 - 2 1/2"	1	5500	5,5
F4325L080.929	080 - 3"	1	5900	5,9
F4325L100.929	100 - 4"	1	9300	9,3
F4325L125.929	125 - 5"	1	12900	12,9
F4325L150.929	150 - 6"	1	13700	13,7
F4325L200.929	200 - 8"	1	19500	19,5
F4325L250.929	250 - 10"	1	29700	29,7
F4325L300.929	300 - 12"	1	45200	45,2

**Fig. 4325G, valve with gear**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F4325G032.1009	032 - 1 1/4"	1	7600	7,6
F4325G040.1009	040 - 1 1/2"	1	7900	7,9
F4325G050.1009	050 - 2"	1	9300	9,3
F4325G065.1009	065 - 2 1/2"	1	9600	9,6
F4325G080.1009	080 - 3"	1	10000	10,0
F4325G100.1009	100 - 4"	1	13400	13,4
F4325G125.1009	125 - 5"	1	17000	17,0
F4325G150.1009	150 - 6"	1	17800	17,8
F4325G200.1009	200 - 8"	1	30500	30,5
F4325G250.1009	250 - 10"	1	40700	40,7
F4325G300.1009	300 - 12"	1	58200	58,2
F4325G350.1009	350 - 14"	1	81300	81,3
F4325G400.1009	400 - 16"	1	138200	138,2
F4325G450.1009	450 - 18"	1	158700	158,7
F4325G500.1009	500 - 20"	1	226600	226,6
F4325G600.1009	600 - 24"	1	315500	315,5







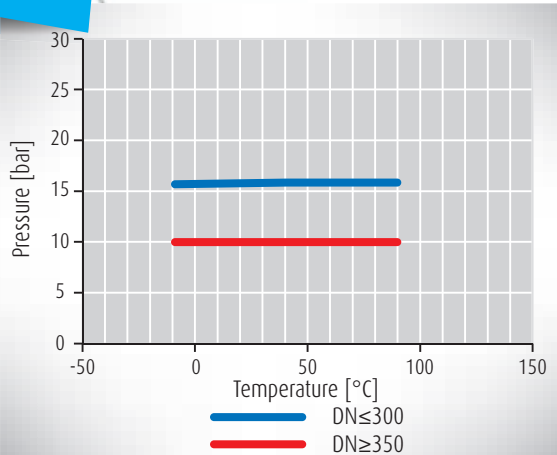
## DUCTILE IRON LUG BUTTERFLY VALVE (STAINLESS STEEL DISC AND NBR SEAT)

Ductile iron Lug butterfly valve  
 For EN1092 PN16 flanges (also PN10 for DN≤150)  
 Lengths according to EN558-1 series 20 (ex DIN3202 K1)  
 Design according to EN593  
 Testing according to EN12266-1  
 Epoxy coating (min. 150µm)  
 Stainless steel disc  
 NBR seat, FKM stem O-rings, PTFE bushing  
 With lever or manual gear  
 With ISO 5211 flange for electric or pneumatic actuator  
 TR CU 010 compliant

PN16 (PN10 for DN≥350)  
 Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

### Working conditions

- ◆ Suitable for: water, -10°C to +90°C  
 below 0°C only for water with added antifreeze fluids
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/EU)



**Fig. 4329L, valve with lever**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F4329L032.929	032 - 1 1/4"	1	3500	3,5
F4329L040.929	040 - 1 1/2"	1	3800	3,8
F4329L050.929	050 - 2"	1	5200	5,2
F4329L065.929	065 - 2 1/2"	1	5500	5,5
F4329L080.929	080 - 3"	1	5900	5,9
F4329L100.929	100 - 4"	1	9300	9,3
F4329L125.929	125 - 5"	1	12900	12,9
F4329L150.929	150 - 6"	1	13700	13,7
F4329L200.929	200 - 8"	1	19500	19,5
F4329L250.929	250 - 10"	1	29700	29,7
F4329L300.929	300 - 12"	1	45200	45,2

**Fig. 4329G, valve with gear**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F4329G032.1009	032 - 1 1/4"	1	7600	7,6
F4329G040.1009	040 - 1 1/2"	1	7900	7,9
F4329G050.1009	050 - 2"	1	9300	9,3
F4329G065.1009	065 - 2 1/2"	1	9600	9,6
F4329G080.1009	080 - 3"	1	10000	10,0
F4329G100.1009	100 - 4"	1	13400	13,4
F4329G125.1009	125 - 5"	1	17000	17,0
F4329G150.1009	150 - 6"	1	17800	17,8
F4329G200.1009	200 - 8"	1	30500	30,5
F4329G250.1009	250 - 10"	1	40700	40,7
F4329G300.1009	300 - 12"	1	58200	58,2
F4329G350.1009	350 - 14"	1	81300	81,3
F4329G400.1009	400 - 16"	1	138200	138,2
F4329G450.1009	450 - 18"	1	158700	158,7
F4329G500.1009	500 - 20"	1	226600	226,6
F4329G600.1009	600 - 24"	1	315500	315,5



**EAC**

# 4620L, 4620G



## DUCTILE IRON LUG BUTTERFLY VALVE (PN25)

Ductile iron Lug butterfly valve  
 For EN1092 PN25 flanges  
 Lengths according to EN558-1 series 20 (ex DIN3202 K1)  
 Design according to EN593  
 Testing according to EN12266-1  
 Epoxy coating (min. 150µm)  
 Nickel plated ductile iron disc  
 EPDM seat, EPDM stem O-rings, PTFE bushing  
 With lever or manual gear  
 With ISO 5211 flange for electric or pneumatic actuator

PN25  
 Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

### Working conditions

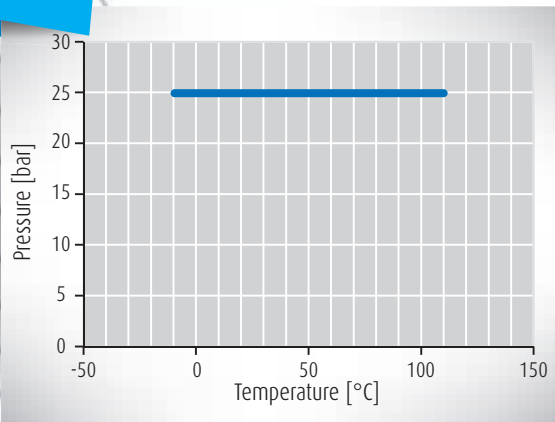
- ◆ Suitable for: water, -10°C to +110°C  
 below 0°C only for water with added antifreeze fluids
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/EU)

**Fig. 4620L, valve with lever**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F4620L050.927	050 - 2"	1	5400	5,4
F4620L065.927	065 - 2 1/2"	1	6100	6,1
F4620L080.927	080 - 3"	1	7400	7,4
F4620L100.927	100 - 4"	1	11400	11,4
F4620L125.927	125 - 5"	1	14800	14,8
F4620L150.927	150 - 6"	1	17400	17,4
F4620L200.927	200 - 8"	1	30100	30,1

**Fig. 4620G, valve with gear**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F4320G050.928	050 - 2"	1	9500	9,5
F4320G065.928	065 - 2 1/2"	1	10200	10,2
F4320G080.928	080 - 3"	1	11500	11,5
F4320G100.928	100 - 4"	1	15500	15,5
F4320G125.928	125 - 5"	1	18900	18,9
F4320G150.928	150 - 6"	1	21500	21,5
F4320G200.928	200 - 8"	1	41100	41,1



# CUTTER-AQ



## ELECTRIC ACTUATOR

Electric actuator with ISO 5211 connection  
 Torque range between 15Nm and 4300Nm  
 Manual override  
 Travel 90°, travel time between 13 and 152 seconds  
 Electric connections 2 x ISO M20  
 Enclosure protection IP68

Available in two standard versions:

- ◆ Multivolt 85-260VAC and 24VDC (up to AQ70)
- ◆ 220/230 VAC or 24VDC (for AQ100 and above)

Suitable for 50Hz or 60Hz power supply

3 points control

2 adjustable limit switches (250VAC-5A or 48VDC-2,5A)

Torque limiter (for AQ250 and above)

Working temperature: -20° to +60°C



### Multivolt 85-260VAC and 24VDC

Code	Torque	pcs./box	Wgt (g)	Box (kg)	Fig. 4020-4025-4029	Fig. 4320-4325-4329	Fig. 4620
KACUTAQ00.800	15Nm	1	2500	2,5	DN32/DN40	DN32/DN40	-
KACUTAQ01.800	30Nm	1	2500	2,5	DN50/DN80	DN50/DN80	-
KACUTAQ02.800	70Nm	1	3000	3,0	DN100	DN100	DN50/DN80

### 220/230 VAC

Code	Torque	pcs./box	Wgt (g)	Box (kg)	Fig. 4020-4025-4029	Fig. 4320-4325-4329	Fig. 4620
KACUTAQ03.800	100Nm	1	10000	10,0	DN125	DN125	DN100
KACUTAQ04.800	150Nm	1	10000	10,0	DN150	DN150	DN125
KACUTAQ06.800	300Nm	1	15000	15,0	DN200	DN200	DN150
KACUTAQ07.800	500Nm	1	15000	15,0	DN250	DN250	DN200
KACUTAQ11.800	840Nm	1	38000	38,0	DN300/DN350	DN300/DN350	-
KACUTAQ12.800	2000Nm	1	48000	48,0	DN400/DN450	DN400/DN450	-
KACUTAQ13.800	4300Nm	1	58000	58,0	DN500/DN600	DN500/DN600	-

### 24VDC

Code	Torque	pcs./box	Wgt (g)	Box (kg)	Fig. 4020-4025-4029	Fig. 4320-4325-4329	Fig. 4620
KACUTAQ08.800	100Nm	1	10000	10,0	DN125	DN125	DN100
KACUTAQ09.800	150Nm	1	10000	10,0	DN150	DN150	DN125
KACUTAQ10.800	250Nm	1	15000	15,0	DN200	DN200	DN150

# ACCESSORIES

## ACCESSORIES FOR BUTTERFLY VALVES

Cast iron lever handle  
for Fig. 4020, 4025, 4029, 4320 and 4325



Code	DN	pcs./box	Wgt (g)	Box (kg)
KXM4PAA00.932	DN32/DN80	1	900	0,9
KXM4PAB00.932	DN100	1	900	0,9
KXM4PAC00.932	DN125/DN150	1	900	0,9
KXM4PAD00.932	DN200	1	2000	2,0
KXM4PAE00.932	DN250	1	2000	2,0
KXM4PAF00.932	DN300	1	2000	2,0

Aluminum lever handle  
for Fig. 4020, 4025, 4029, 4320 and 4325



Code	DN	pcs./box	Wgt (g)	Box (kg)
KXM4PCA00.1525	DN32/DN80	1	400	0,4
KXM4PCB00.1525	DN100	1	400	0,4
KXM4PCC00.1525	DN125/DN150	1	400	0,4
KXM4PCD00.1525	DN200	1	600	0,6
KXM4PCE00.1525	DN250	1	600	0,6
KXM4PCF00.1525	DN300	1	600	0,6

Cast iron gear  
for Fig. 4020, 4025, 4029,  
4320 and 4325



Code	DN	pcs./box	Wgt (g)	Box (kg)
KXV4PAA00.932	DN32/DN80	1	5000	5,0
KXV4PAB00.932	DN100	1	5000	5,0
KXV4PAC00.932	DN125/DN150	1	5000	5,0
KXV4PAD00.932	DN200	1	13000	13,0
KXV4PAE00.932	DN250	1	13000	13,0
KXV4PAF00.932	DN300	1	15000	15,0

IP65 limit switch  
for Fig. 4020L, 4025L, 4029L, 4320L and 4325L  
With ISO 5211 F05/F07 mounting pad  
For open or close position, screws included



Code	DN	pcs./box	Wgt (g)	Box (kg)
KSC4PEA00.1612	DN32/DN80	1	900	0,9



IP65 aluminum gear with limit switches  
for Fig. 4020, 4025, 4029, 4320 and 4325  
With ISO 5211 connection  
1 open and 1 close limit switches



Code	DN	pcs./box	Wgt (g)	Box (kg)
KXV4PDA00.1526	DN32/DN150	1	3100	3,1
KXV4PDB00.1526	DN200/DN300	1	3700	3,7



# GATE, GLOBE AND CHECK VALVES





## BRASS METAL SEALED GATE VALVE

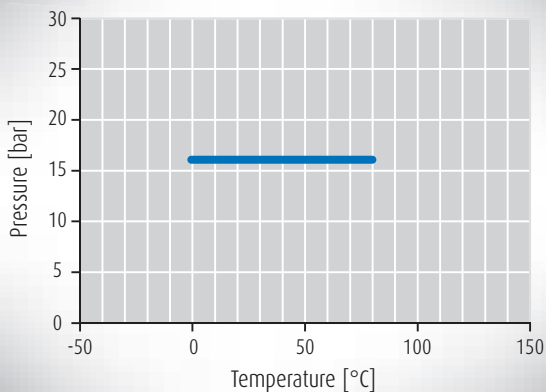
Brass gate valve  
 Threaded F/F (ISO 228/1)  
 Non rising blow-out proof stem  
 Adjustable fiber packing  
 Metal seal  
 WRAS and TR CU 010 compliant

PN16

Working conditions

◆ Suitable for: water, 0°C to +80°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F040K0015.1872	015 - 1/2"	80	180	14,4
F040K0020.1872	020 - 3/4"	60	260	15,6
F040K0025.1872	025 - 1"	30	360	10,8
F040K0032.1872	032 - 1 1/4"	20	540	10,8
F040K0040.1872	040 - 1 1/2"	15	790	11,9
F040K0050.1872	050 - 2"	10	1180	11,8
F040K0065.1872	065 - 2 1/2"	10	1790	17,9
F040K0080.1872	080 - 3"	8	2290	18,3
F040K0100.1872	100 - 4"	4	3890	15,6



**EAC**  
**WRAS®**





## BRASS METAL SEALED GATE VALVE

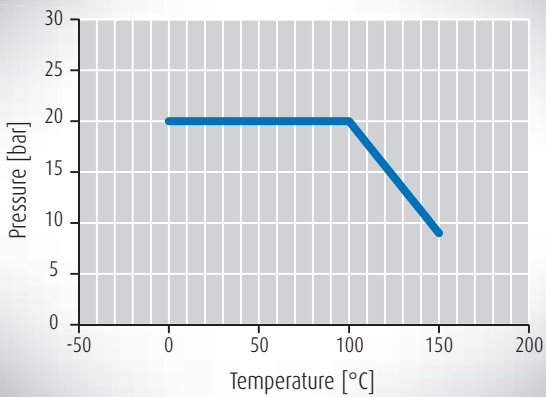
Brass gate valve  
 Threaded F/F (ISO 228/1)  
 Compliant to EN12288 (ex BS5154) up to DN50 included  
 Non rising blow-out proof stem  
 Adjustable fiber packing  
 Metal seal

PN20 (Max 20bar up to 100°C, max 9bar at 150°C)

Working conditions

◆ Suitable for: water, 0°C to +150°C (110°C for DN≥65)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F056G0015.945	015 - 1/2"	100	248	24,8
F056G0020.945	020 - 3/4"	70	364	25,5
F056G0025.945	025 - 1"	50	542	27,1
F056G0032.945	032 - 1 1/4"	30	770	23,1
F056G0040.945	040 - 1 1/2"	20	1071	21,4
F056G0050.945	050 - 2"	10	1796	18,0
F056G0065.945	065 - 2 1/2"	6	2865	17,2
F056G0080.945	080 - 3"	4	3839	15,4





## BRONZE METAL SEALED GATE VALVE

Bronze gate valve  
 Threaded F/F (ISO 7/1 Rp)  
 EN12288/B (ex BS5154/B) compliant  
 Air testing according to EN12266-1  
 Bronze body and bonnet, DZR brass internals  
 Non rising blow-out proof stem  
 Adjustable graphite packing  
 Metal seal  
 TR CU 010 compliant

PN16 (Max 16bar up to 100°C, max 7bar at 170°C)

Working conditions

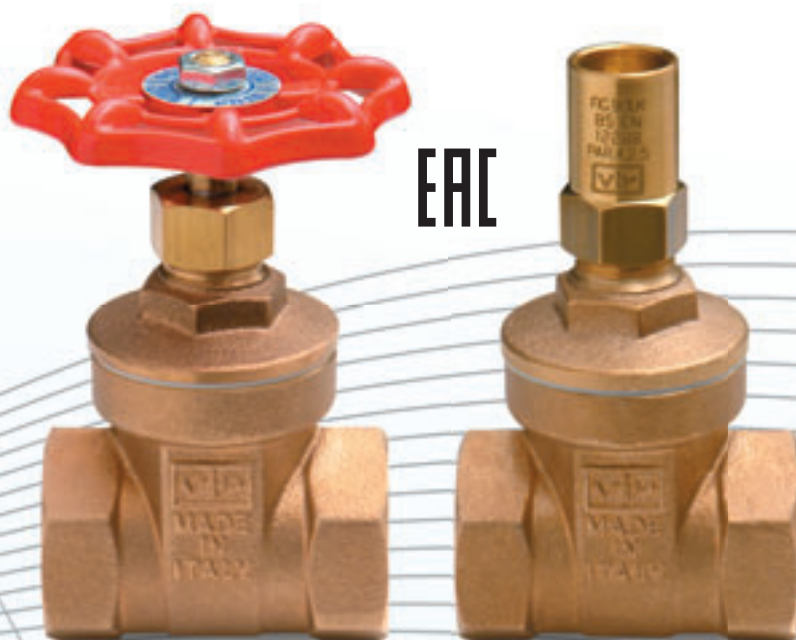
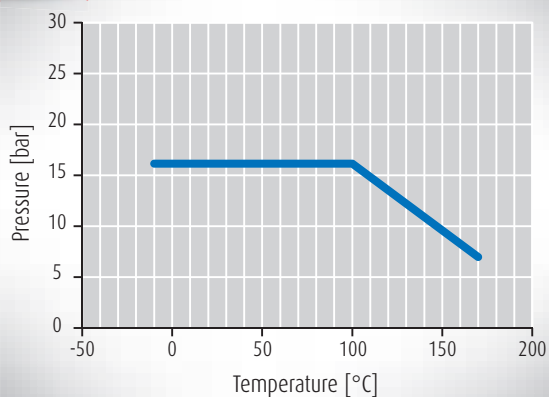
- ◆ Suitable for: water, -10°C to +170°C  
below 0°C only for water with added antifreeze fluids

**Fig. 90**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F0900B015.2683	015 - 1/2"	80	240	19,2
F0900B020.2683	020 - 3/4"	48	320	15,4
F0900B025.2683	025 - 1"	40	485	19,4
F0900B032.2683	032 - 1 1/4"	20	760	15,2
F0900B040.2683	040 - 1 1/2"	16	1120	17,9
F0900B050.2683	050 - 2"	12	1615	19,4

**Fig. 90LK**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F090LB015.2714	015 - 1/2"	80	230	18,4
F090LB020.2714	020 - 3/4"	48	310	14,9
F090LB025.2714	025 - 1"	40	465	18,6
F090LB032.2714	032 - 1 1/4"	20	730	14,6
F090LB040.2714	040 - 1 1/2"	16	1080	17,3
F090LB050.2714	050 - 2"	12	1565	18,8







## BRONZE METAL SEALED GATE VALVE

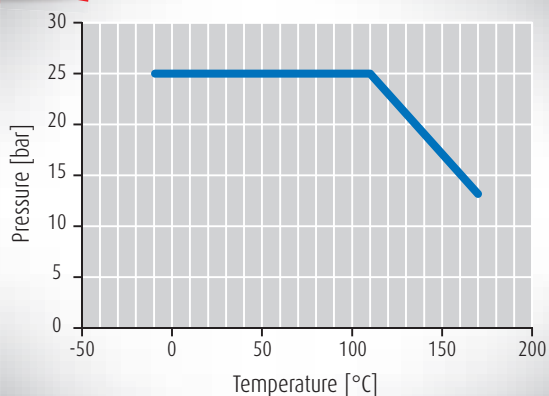
Bronze gate valve  
 Threaded F/F (ISO 7/1 Rp)  
 EN12288/B (ex BS5154/B) compliant  
 Air testing according to EN12266-1  
 Non rising blow-out proof stem  
 Adjustable graphite packing  
 Metal seal

PN25 (Max 25bar up to 110°C, max 13bar at 170°C)

Working conditions

◆ Suitable for: water, -10°C to +170°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F1100B015.2459	015 - 1/2"	80	290	23,2
F1100B020.2459	020 - 3/4"	48	450	21,6
F1100B025.2459	025 - 1"	40	700	28,0
F1100B032.2459	032 - 1 1/4"	20	1000	20,0
F1100B040.2459	040 - 1 1/2"	16	1390	22,2
F1100B050.2459	050 - 2"	12	2120	25,4





## BRONZE METAL SEALED UNION BONNET GATE VALVE

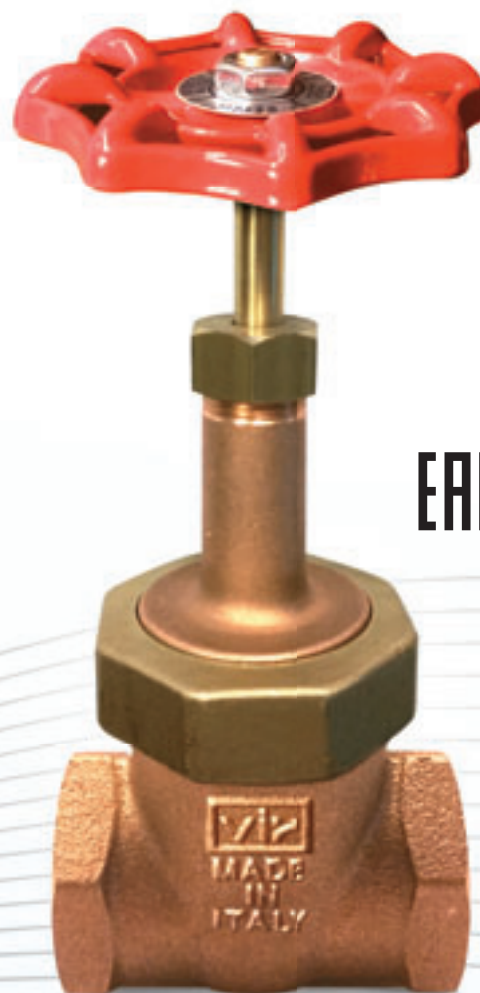
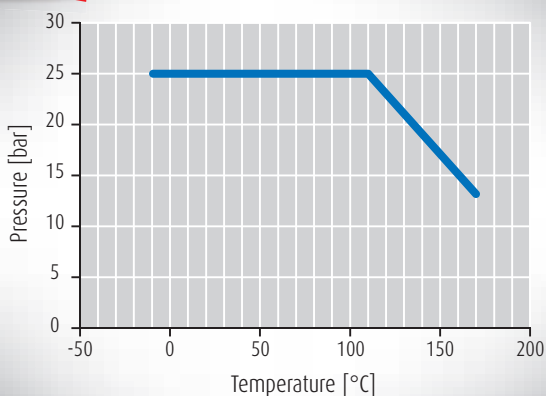
Bronze union bonnet gate valve  
 Threaded F/F (ISO 7/1 Rp)  
 EN12288/B (ex BS5154/B) compliant  
 Air testing according to EN12266-1  
 Rising stem with backseat  
 Adjustable graphite packing  
 Metal seal  
 TR CU 010 compliant

PN25 (Max 25bar up to 110°C, max 13bar at 170°C)

Working conditions

◆ Suitable for: water, -10°C to +170°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F1200B015.2799	015 - 1/2"	50	400	20,0
F1200B020.2799	020 - 3/4"	40	615	24,6
F1200B025.2799	025 - 1"	25	940	23,5
F1200B032.2799	032 - 1 1/4"	20	1370	27,4
F1200B040.2799	040 - 1 1/2"	9	1925	17,3
F1200B050.2799	050 - 2"	6	3000	18,0



**EAC**



## DUCTILE IRON SOFT SEALED FLANGED GATE VALVE

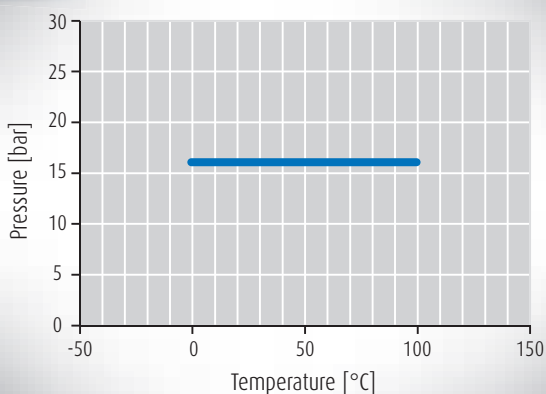
Ductile iron soft sealed gate valve  
 Flanged PN16 according to EN1092-2 (ex DIN2533)  
 Lengths according EN558-1 series 14 (ex DIN3202 F4)  
 Epoxy coating (min. 250µm)  
 EPDM coated ductile iron wedge  
 Non rising stainless steel stem  
 PTFE/EPDM gaskets  
 TR CU 010 compliant

PN16

Working conditions

◆ Suitable for: water, 0°C to +100°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F09141040.1047	040 - 1 1/2"	1	9000	9,0
F09141050.1047	050 - 2"	1	12000	12,0
F09141065.1047	065 - 2 1/2"	1	14000	14,0
F09141080.1047	080 - 3"	1	18000	18,0
F09141100.1047	100 - 4"	1	23000	23,0
F09141125.1047	125 - 5"	1	30000	30,0
F09141150.1047	150 - 6"	1	39000	39,0
F09141200.1047	200 - 8"	1	60000	60,0
F09141250.1047	250 - 10"	1	95000	95,0
F09141300.1047	300 - 12"	1	130000	130,0
F09141350.1047	350 - 14"	1	195000	195,0
F09141400.1047	400 - 16"	1	252000	252,0



EAC





## CAST IRON METAL SEALED FLANGED GATE VALVE

Cast iron metal sealed flanged gate valve  
 Flanged PN16 according to EN1092-2 (ex DIN2533)  
 Lengths according to EN558-1 series 14 (ex DIN3202 F4)  
 Adjustable graphite packing, non rising stem  
 TR CU 010 compliant

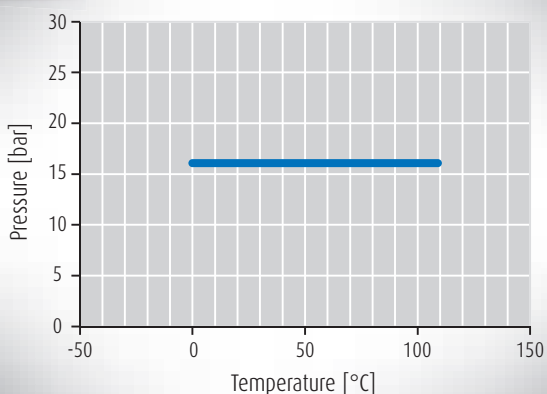
PN16

Working conditions

◆ Suitable for: water, 0°C to +110°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F09241050.2828	050 - 2"	1	15000	15,0
F09241065.2828	065 - 2 1/2"	1	18100	18,1
F09241080.2828	080 - 3"	1	22400	22,4
F09241100.2828	100 - 4"	1	31400	31,4
F09241125.2828	125 - 5"	1	40450	40,5
F09241150.2828	150 - 6"	1	56200	56,2
F09241200.2829	200 - 8"	1	81500	81,5
F09241250.2829	250 - 10"	1	130300	130,3
F09241300.2829	300 - 12"	1	187200	187,2

Also available up to DN600 on request



EAC





## BRONZE GLOBE VALVE

Bronze globe valve  
 Threaded F/F (ISO 228/1)  
 Rising stem  
 FKM (Fig. 400) or NBR (Fig. 405) O-ring + adjustable graphite packing  
 With PTFE seal (Fig. 400) or metal seal (Fig. 405)

PN16 (Max 16bar up to 100°C, max 7,9bar above)

Working conditions

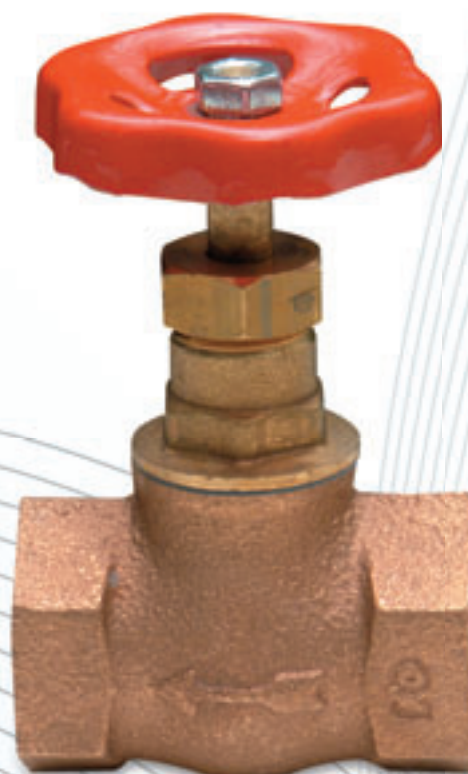
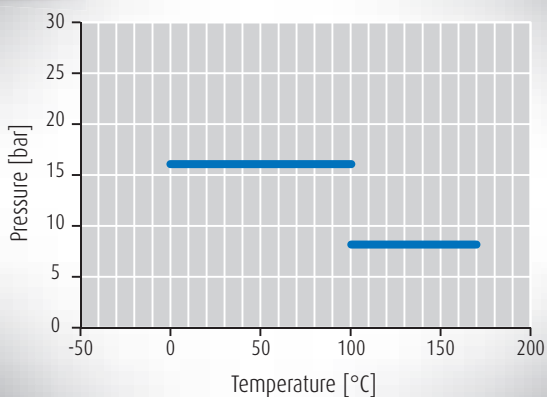
◆ Suitable for: water, 0°C to +170°C

**Fig. 400, valve with PTFE seal**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F4000B008.2459	008 - 1/4"	144	195	28,1
F4000B010.2459	010 - 3/8"	144	220	31,7
F4000B015.2459	015 - 1/2"	120	241	28,9
F4000B020.2459	020 - 3/4"	96	312	30,0
F4000B025.2459	025 - 1"	72	445	32,0
F4000B032.2459	032 - 1 1/4"	50	640	32,0
F4000B040.2459	040 - 1 1/2"	30	943	28,3
F4000B050.2459	050 - 2"	20	1160	23,2
F4000B065.2459	065 - 2 1/2"	10	4069	40,7
F4000B080.2459	080 - 3"	8	4800	38,4
F4000B100.2459	100 - 4"	5	7500	37,5

**Fig. 405, valve with metal seal**

Code	DN	pcs./box	Wgt (g)	Box (kg)
F4050B008.2459	008 - 1/4"	144	195	28,1
F4050B010.2459	010 - 3/8"	144	218	31,4
F4050B015.2459	015 - 1/2"	120	236	28,3
F4050B020.2459	020 - 3/4"	96	310	29,8
F4050B025.2459	025 - 1"	72	448	32,3
F4050B032.2459	032 - 1 1/4"	50	618	30,9
F4050B040.2459	040 - 1 1/2"	30	943	28,3
F4050B050.2459	050 - 2"	20	1184	23,7
F4050B065.2459	065 - 2 1/2"	10	4033	40,3
F4050B080.2459	080 - 3"	8	4900	39,2
F4050B100.2459	100 - 4"	5	7500	37,5





## CAST IRON GLOBE VALVE

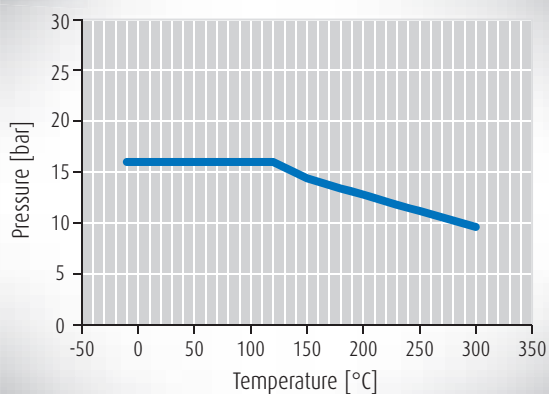
Cast iron globe valve  
 Flanged PN16 according to EN1092-2 (ex DIN2533)  
 Testing to EN12266-1, lengths to EN558-1 series 1 (ex DIN3202 F1)  
 Graphite gasket and packing  
 Rising stem, stainless steel internals  
 TR CU 010 compliant

PN16 (Max 16bar up to 120°C, then according to rating table)

Working conditions

◆ Suitable for: water, -10°C to +300°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F15101015.1328	015 - 1/2"	1	3300	3,3
F15101020.1328	020 - 3/4"	1	3900	3,9
F15101025.1328	025 - 1"	1	5000	5,0
F15101032.1328	032 - 1 1/4"	1	6600	6,6
F15101040.1328	040 - 1 1/2"	1	9400	9,4
F15101050.1328	050 - 2"	1	12000	12,0
F15101065.1328	065 - 2 1/2"	1	17000	17,0
F15101080.1328	080 - 3"	1	22700	22,7
F15101100.1328	100 - 4"	1	25800	25,8
F15101125.1328	125 - 5"	1	52800	52,8
F15101150.1328	150 - 6"	1	74200	74,2
F15101200.1328	200 - 8"	1	126000	126,0
F15101250.1328	250 - 10"	1	200000	200,0
F15101300.1328	300 - 12"	1	315000	315,0



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## BRASS SWING CHECK VALVE

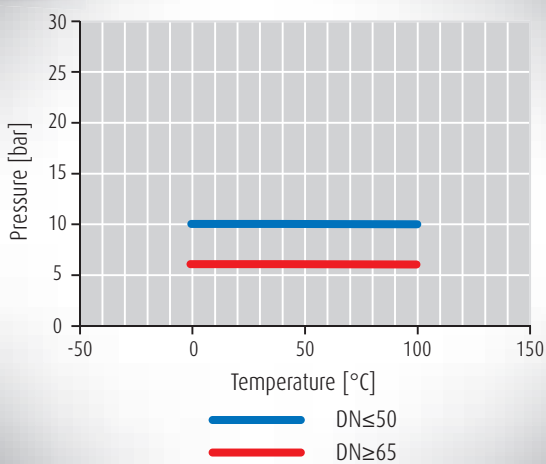
Brass swing check valve  
 Threaded F/F (ISO 228/1)  
 NBR seal, fiber gasket  
 Minimum opening pressure 0,03bar  
 TR CU 010 compliant

PN10 (PN6 for DN≥65)

Working conditions

◆ Suitable for: water, 0°C to +100°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F8300Z015.667	015 - 1/2"	1	180	0,2
F8300Z020.667	020 - 3/4"	1	240	0,2
F8300Z025.667	025 - 1"	1	350	0,4
F8300Z032.667	032 - 1 1/4"	1	550	0,6
F8300Z040.667	040 - 1 1/2"	1	880	0,9
F8300Z050.667	050 - 2"	1	1200	1,2
F8300Z065.667	065 - 2 1/2"	1	1780	1,8
F8300Z080.667	080 - 3"	1	2900	2,9
F8300Z100.667	100 - 4"	1	5000	5,0





## BRONZE SWING CHECK VALVE

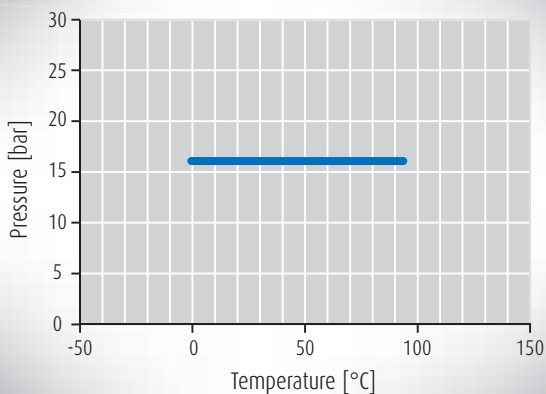
Bronze swing check valve  
 Threaded F/F (ISO 228/1)  
 Brass internal parts, metal seat, NBR gaskets  
 TR CU 010 compliant

PN16

Working conditions

◆ Suitable for: water, 0°C to +95°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F8350B010.2226	010 - 3/8"	100	180	18,0
F8350B015.2226	015 - 1/2"	100	210	21,0
F8350B020.2226	020 - 3/4"	60	340	20,4
F8350B025.2226	025 - 1"	40	360	14,4
F8350B032.2226	032 - 1 1/4"	25	699	17,5
F8350B040.2226	040 - 1 1/2"	16	840	13,4
F8350B050.2226	050 - 2"	12	1330	16,0
F8350B065.2226	065 - 2 1/2"	6	2070	12,4
F8350B080.2226	080 - 3"	5	3120	15,6
F8350B100.2226	100 - 4"	4	5480	21,9







## SPRING-LOADED BRASS CHECK VALVE

Spring-loaded brass check valve  
 Threaded F/F (ISO 228/1)  
 Optional stainless steel strainer (mesh 1000µm)  
 Internal brass parts with NBR seal, strainer with polyamide connection  
 To be installed horizontally or vertically  
 Minimum opening pressure 0,03bar  
 TR CU 010 compliant

PN16 (PN10 for DN≥65)

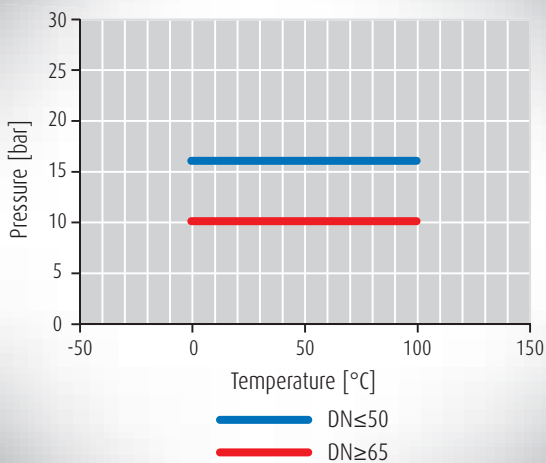
Working conditions

◆ Suitable for: water, 0°C to +100°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F76500015.1014	015 - 1/2"	1	185	0,2
F76500020.1014	020 - 3/4"	1	265	0,3
F76500025.1014	025 - 1"	1	420	0,4
F76500032.1014	032 - 1 1/4"	1	650	0,7
F76500040.1014	040 - 1 1/2"	1	875	0,9
F76500050.1014	050 - 2"	1	1325	1,3
F76500065.1014	065 - 2 1/2"	1	2830	2,8
F76500080.1014	080 - 3"	1	4200	4,2
F76500100.1014	100 - 4"	1	6265	6,3

### Optional foot strainer

Code	DN	pcs./box	Wgt (g)	Box (kg)
KFF760015.1371	015 - 1/2"	1	7	0,0
KFF760020.1371	020 - 3/4"	1	11	0,0
KFF760025.1371	025 - 1"	1	20	0,0
KFF760032.1371	032 - 1 1/4"	1	25	0,0
KFF760040.1371	040 - 1 1/2"	1	35	0,0
KFF760050.1371	050 - 2"	1	45	0,0
KFF760065.1371	065 - 2 1/2"	1	75	0,1
KFF760080.1371	080 - 3"	1	125	0,1
KFF760100.1371	100 - 4"	1	175	0,2



**ERC**



## CAST IRON DUAL PLATE CHECK VALVE

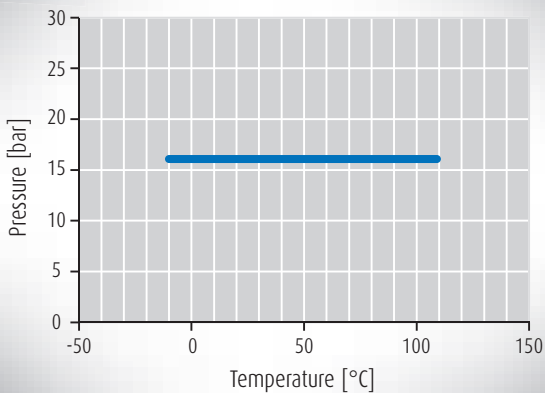
Cast iron dual plate check valve  
 Wafer type suitable for EN1092 PN16 flanges  
 Suitable also for flanges PN10 up to  $DN \leq 250$   
 Design according to EN12334  
 Testing according to EN12266-1  
 Lengths according to EN558-1 series 16  
 Stainless steel internals, EPDM seat, PTFE washers  
 To be installed horizontally or vertically (with upward flow)  
 Provided with eyebolt for  $DN \geq 125$   
 Minimum opening pressure 0,04bar  
 TR CU 010 compliant

PN16

Working conditions

◆ Suitable for: water,  $-10^{\circ}\text{C}$  to  $+110^{\circ}\text{C}$

Code	DN	pcs./box	Wgt (g)	Box (kg)
F77600050.1013	050 - 2"	1	1500	1,5
F77600065.1013	065 - 2 1/2"	1	2000	2,0
F77600080.1013	080 - 3"	1	2800	2,8
F77600100.1013	100 - 4"	1	4100	4,1
F77600125.1013	125 - 5"	1	6400	6,4
F77600150.1013	150 - 6"	1	8500	8,5
F77600200.1013	200 - 8"	1	13500	13,5
F77600250.1013	250 - 10"	1	22000	22,0
F77600300.1013	300 - 12"	1	30000	30,0
F77600350.1013	350 - 14"	1	48000	48,0
F77600400.1013	400 - 16"	1	65000	65,0
F77600450.1013	450 - 18"	1	78000	78,0
F77600500.1013	500 - 20"	1	110000	110,0
F77600600.1013	600 - 24"	1	157000	157,0



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## CAST IRON SWING CHECK VALVE

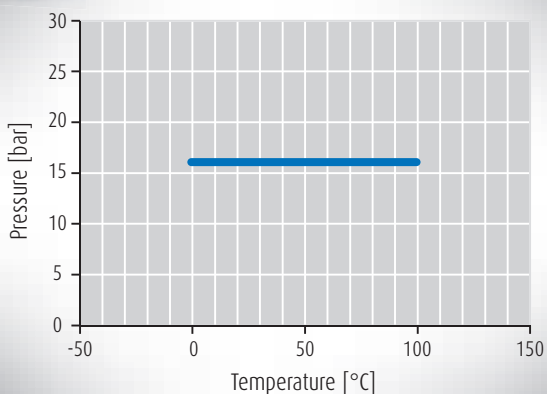
Cast iron GG25 swing check valve  
 Flanged ends according EN1092-2 PN16 (ex DIN2533)  
 Lengths according EN558-1 series 48 (ex DIN3202 F6)  
 Design according EN12334  
 Testing according API598  
 Epoxy coating (min. 200µm)  
 Brass seat, EPDM gasket  
 TR CU 010 compliant

PN16

Working conditions

◆ Suitable for: water, 0°C to +100°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F89051050.1015	050 - 2"	1	18000	18,0
F89051065.1015	065 - 2 1/2"	1	20900	20,9
F89051080.1015	080 - 3"	1	28000	28,0
F89051100.1015	100 - 4"	1	36000	36,0
F89051125.1015	125 - 5"	1	52000	52,0
F89051150.1015	150 - 6"	1	62000	62,0
F89051200.1015	200 - 8"	1	108000	108,0
F89051250.1015	250 - 10"	1	191000	191,0
F89051300.1015	300 - 12"	1	305000	305,0



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## CAST IRON BALL CHECK VALVE

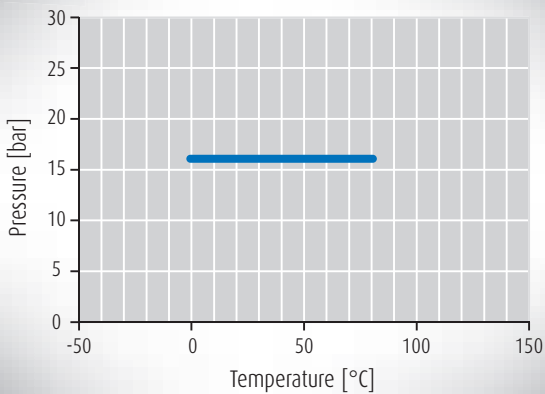
Cast iron ball check valve  
 Threaded F/F (ISO 228/1) for DN15-DN50  
 Flanged PN16 according to EN1092-2 (ex DIN2533) for DN65-DN300  
 Lengths according to EN558-1 series 48 (ex DIN3202 F6) for DN65-DN300  
 NBR metal coated ball, NBR gasket  
 Minimum opening pressure 0,04bar  
 TR CU 010 compliant

PN16

Working conditions

◆ Suitable for: water, 0°C to +80°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F80601025.2245	025 - 1"	1	1330	1,3
F80601032.2245	032 - 1 1/4"	1	1710	1,7
F80601040.2245	040 - 1 1/2"	1	2000	2,0
F80601050.2245	050 - 2"	1	3300	3,3
F80601065.2246	065 - 2 1/2"	1	11200	11,2
F80601080.2246	080 - 3"	1	15400	15,4
F80601100.2246	100 - 4"	1	21700	21,7
F80601125.2246	125 - 5"	1	33000	33,0
F80601150.2246	150 - 6"	1	45300	45,3
F80601200.2246	200 - 8"	1	90000	90,0
F80601250.2246	250 - 10"	1	163000	163,0
F80601300.2246	300 - 12"	1	230000	230,0





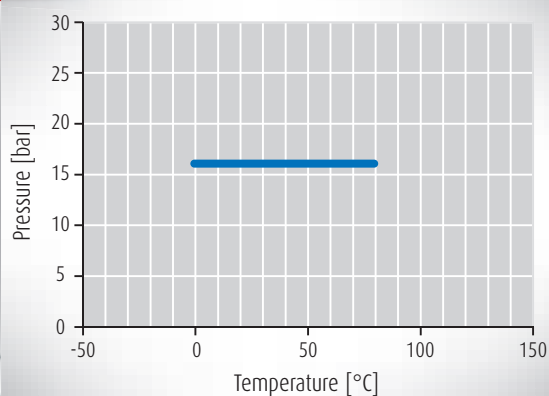
## CAST IRON SILENT CHECK VALVE

Cast iron GG25 silent check valve  
 Flanged PN16 according to EN1092-2 PN16 (ex DIN2533)  
 Optional zinc plated strainer with hole diameter 6mm  
 EPDM seal, PTFE bushing  
 To be installed horizontally or vertically (with upward flow)  
 Minimum opening pressure 0,2bar  
 TR CU 010 compliant

PN16

Working conditions

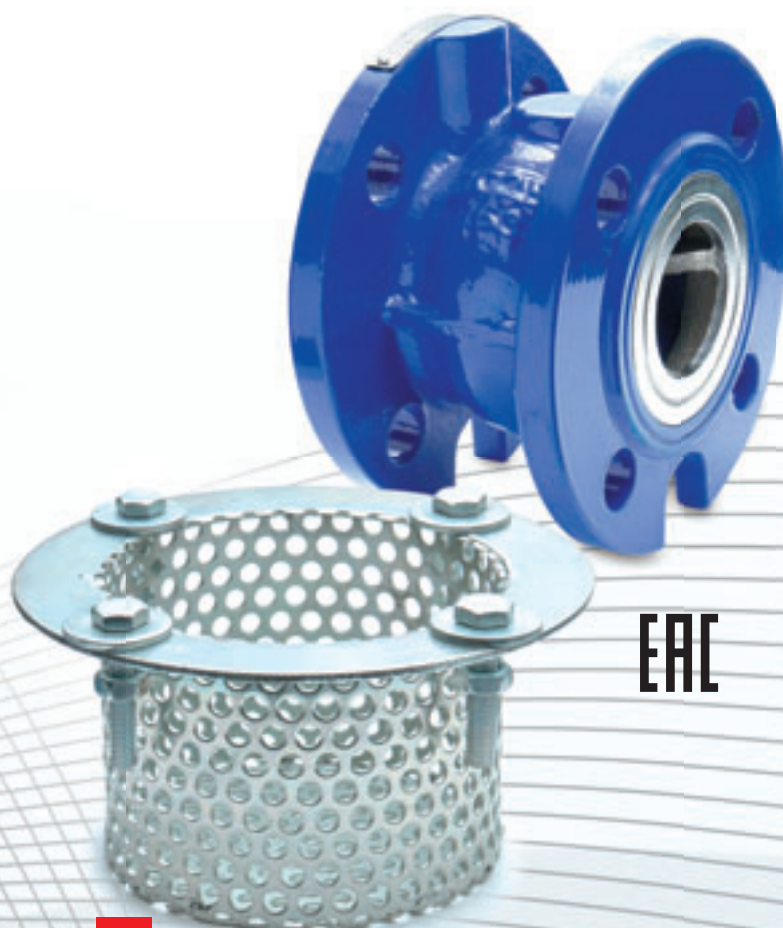
◆ Suitable for: water, 0°C to +80°C



Code	DN	pcs./box	Wgt (g)	Box (kg)
F79001050.695	050 - 2"	1	5700	5,7
F79001065.695	065 - 2 1/2"	1	8700	8,7
F79001080.695	080 - 3"	1	10800	10,8
F79001100.695	100 - 4"	1	13500	13,5
F79001125.695	125 - 5"	1	21000	21,0
F79001150.695	150 - 6"	1	30000	30,0
F79001200.695	200 - 8"	1	49000	49,0
F79001250.695	250 - 10"	1	73300	73,3
F79001300.695	300 - 12"	1	131000	131,0

### Optional foot strainer

Code	DN	pcs./box	Wgt (g)	Box (kg)
KFF790050.1582	050 - 2"	1	550	0,6
KFF790065.1582	065 - 2 1/2"	1	750	0,8
KFF790080.1582	080 - 3"	1	950	1,0
KFF790100.1582	100 - 4"	1	1350	1,4
KFF790125.1582	125 - 5"	1	1650	1,7
KFF790150.1582	150 - 6"	1	2650	2,7
KFF790200.1582	200 - 8"	1	4050	4,1
KFF790250.1582	250 - 10"	1	5530	5,5
KFF790300.1582	300 - 12"	1	6000	6,0



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## CAST IRON PISTON CHECK VALVE

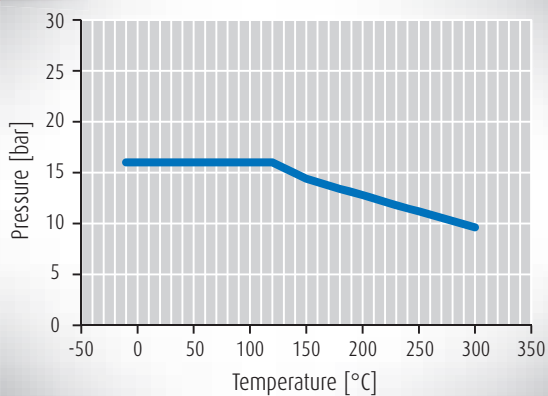
Cast iron piston check valve  
 Flanged PN16 according to EN1092-2 (ex DIN2533)  
 Lengths according to EN558-1 series 1 (ex DIN3202 F1)  
 Stainless steel seat and internals  
 TR CU 010 compliant

PN16 (Max 16bar up to 120°C, then according to rating table)

Working conditions

◆ Suitable for: water, -10°C to +300°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F80901015.1438	015 - 1/2"	1	2600	2,6
F80901020.1438	020 - 3/4"	1	3400	3,4
F80901025.1438	025 - 1"	1	4400	4,4
F80901032.1438	032 - 1 1/4"	1	5800	5,8
F80901040.1438	040 - 1 1/2"	1	8400	8,4
F80901050.1438	050 - 2"	1	10400	10,4
F80901065.1438	065 - 2 1/2"	1	18000	18,0
F80901080.1438	080 - 3"	1	20600	20,6
F80901100.1438	100 - 4"	1	32000	32,0
F80901125.1438	125 - 5"	1	44000	44,0
F80901150.1438	150 - 6"	1	62000	62,0
F80901200.1438	200 - 8"	1	110000	110,0
F80901250.1438	250 - 10"	1	180000	180,0
F80901300.1438	300 - 12"	1	260000	260,0



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# FILTRATION





## BRASS STRAINER

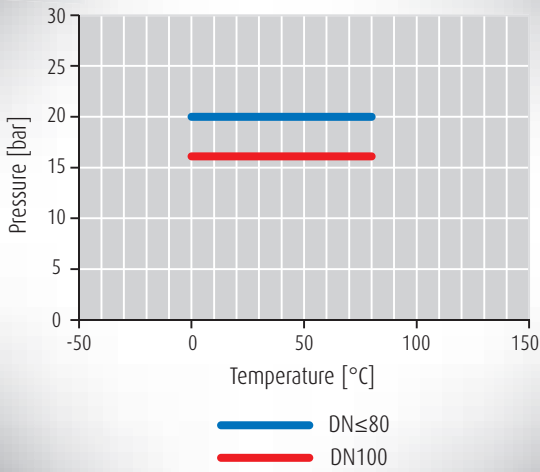
Brass strainer  
 Threaded F/F (ISO 228/1)  
 Stainless steel strainer, fiber gasket  
 (Mesh 500µm for DN≤50, 600µm for DN65/DN80, 800µm for DN100)  
 TR CU 010 compliant

PN20 (PN16 for DN100)

Working conditions

◆ Suitable for: water, 0°C to +80°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F8990Z008.2731	008 - 1/4"	1	110	0,1
F8990Z010.2731	010 - 3/8"	1	115	0,1
F8990Z015.2731	015 - 1/2"	1	140	0,1
F8990Z020.2731	020 - 3/4"	1	210	0,2
F8990Z025.2731	025 - 1"	1	330	0,3
F8990Z032.2731	032 - 1 1/4"	1	580	0,6
F8990Z040.2731	040 - 1 1/2"	1	850	0,9
F8990Z050.2731	050 - 2"	1	1400	1,4
F8990Z065.2731	065 - 2 1/2"	1	2800	2,8
F8990Z080.2731	080 - 3"	1	3100	3,1
F8990Z100.2731	100 - 4"	1	4900	4,9







## BRONZE STRAINER

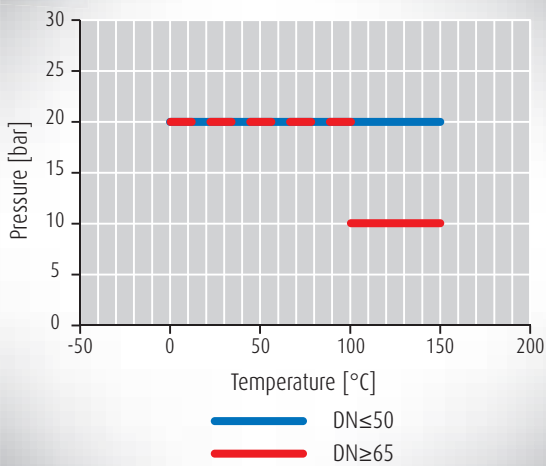
Bronze strainer with brass cap  
 Threaded F/F (ISO 228/1)  
 Stainless steel strainer, PTFE gasket  
 (mesh  $\varnothing 0,5\text{mm}$  up to  $\text{DN} \leq 20$ ,  $\varnothing 0,8\text{mm}$  above)  
 TR CU 010 compliant

PN20 (for  $\text{DN} \geq 65$  Max 10bar above 110°C)

Working conditions

◆ Suitable for: water, 0°C to +150°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F9000B010.1553	010 - 3/8"	100	178	17,8
F9000B015.1553	015 - 1/2"	100	175	17,5
F9000B020.1553	020 - 3/4"	50	290	14,5
F9000B025.1553	025 - 1"	40	410	16,4
F9000B032.1553	032 - 1 1/4"	20	700	14,0
F9000B040.1553	040 - 1 1/2"	10	915	9,2
F9000B050.1553	050 - 2"	10	1390	13,9
F9000B065.1553	065 - 2 1/2"	8	2800	22,4
F9000B080.1553	080 - 3"	4	3725	14,9
F9000B100.1553	100 - 4"	2	6860	13,7



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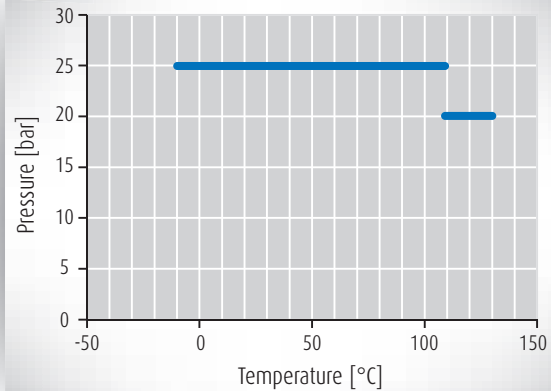
## DZR BRASS STRAINER WITH DRAIN AND SIDE BOSSES

DZR brass strainer with drain and side bosses  
 Threaded F/F (ISO 228/1)  
 Stainless Steel strainer (20 mesh) with threaded drain (3/8" ISO 7/1Rp)  
 With 4 threaded and plugged probe holders (1/4" ISO 7/1Rp)  
 Optional accessories available for drain and side bosses  
 TR CU 010 compliant

PN25 (Max 25bar up to 110°C, max 20bar above)

Working conditions:

- ◆ Suitable for: water, -10°C to +130°C (120°C with O/N kit)  
 below 0°C only for water with added anti-freeze fluids  
 over 100°C only for water with added anti-boiling fluids



Code	DN	pcs./box	Wgt (g)	Box (kg)
F89DV0020.1979	020 - 3/4"	1	374	0,4

### Fig. 89DV-241 drain valve

Code	DN	pcs./box	Wgt (g)	Box (kg)
F241X0010.1962	020 - 3/4"	1	130	0,1

**EAC**



Optional 89DV-241 drain valve  
 DZR brass drain valve  
 Threaded M (3/8" ISO 7/1R) on valve side  
 Threaded M (3/4" ISO 228/1) on drain side  
 Chromium plated ball, PTFE seats, blow-out proof stem  
 EPDM stem O-ring + adjustable PTFE packing  
 TR CU 010 compliant

PN25 (Max 25bar up to 110°C, max 20bar above)

Working conditions:

- ◆ Suitable for: water, -10°C to +130°C  
 below 0°C only for water with added anti-freeze fluids  
 over 100°C only for water with added anti-boiling fluids

**EAC**





## CAST IRON STRAINER

Cast iron strainer in GG25  
 Flanged PN16 according to EN1092-2 (ex DIN2533)  
 Lengths according to EN558-1 series 1 (ex DIN3202 F1)  
 Epoxy coating (min. 200µm)  
 Steel strainer in SS304 with round holes mesh, graphite gasket  
 Hole diameter 1,5mm up to DN≤150, 2,0mm above  
 With threaded drain (1/2" BSP for all sizes)  
 TR CU 010 compliant

PN16

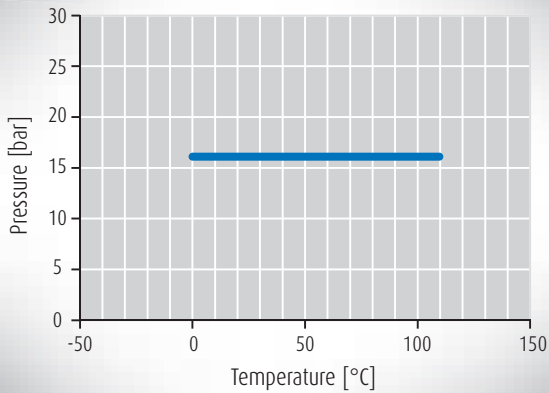
Working conditions

◆ Suitable for: water, 0°C to +110°C

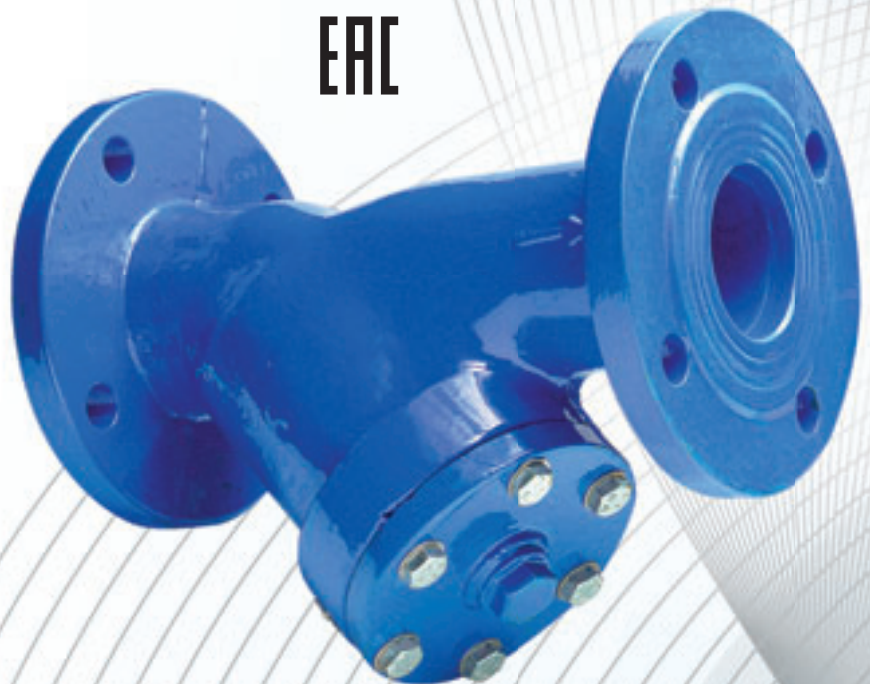
Code	DN	pcs./box	Wgt (g)	Box (kg)
F89511032.842	032 - 1 1/4"	1	6200	6,2
F89511040.842	040 - 1 1/2"	1	7500	7,5
F89511050.842	050 - 2"	1	10800	10,8
F89511065.842	065 - 2 1/2"	1	15500	15,5
F89511080.842	080 - 3"	1	20200	20,2
F89511100.842	100 - 4"	1	26800	26,8
F89511125.842	125 - 5"	1	37100	37,1
F89511150.842	150 - 6"	1	56100	56,1
F89511200.842	200 - 8"	1	90600	90,6
F89511250.842	250 - 10"	1	144000	144,0
F89511300.842	300 - 12"	1	185000	185,0
F89511350.842	350 - 14"	1	294000	294,0
F89511400.842	400 - 16"	1	388000	388,0

Spare strainer: KFF895mis.2025

Spare graphite gasket: KXG895mis.2397



**EAC**





## BRASS FOOT VALVE

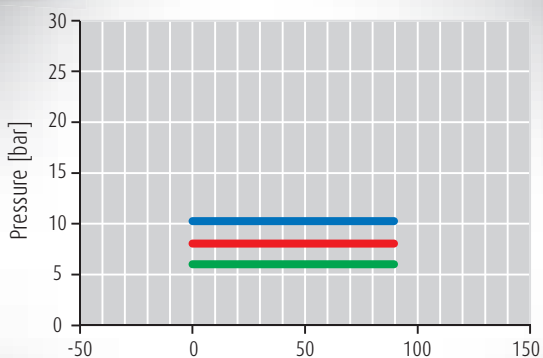
Brass foot valve  
 Female threaded (ISO 228/1)  
 SBR seal, fiber gasket  
 To be installed vertically (with upward flow)  
 TR CU 010 compliant

PN10 for DN15/DN25, PN8 for DN32/DN50, PN6 for DN65/DN150

Working conditions

◆ Suitable for: water, 0°C to +90°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F8150Z015.667	015 - 1/2"	1	115	0,1
F8150Z020.667	020 - 3/4"	1	213	0,2
F8150Z025.667	025 - 1"	1	285	0,3
F8150Z032.667	032 - 1 1/4"	1	408	0,4
F8150Z040.667	040 - 1 1/2"	1	578	0,6
F8150Z050.667	050 - 2"	1	830	0,8
F8150Z065.667	065 - 2 1/2"	1	1300	1,3
F8150Z080.667	080 - 3"	1	1800	1,8
F8150Z100.667	100 - 4"	1	3075	3,1
F8150Z125.667	125 - 5"	1	5000	5,0
F8150Z150.667	150 - 6"	1	7000	7,0



— DN15/DN25  
 — DN32/DN50  
 — DN65/DN150



**EAC**

# VALVES FOR GAS





## FULL BORE BRASS BALL VALVE FOR GAS

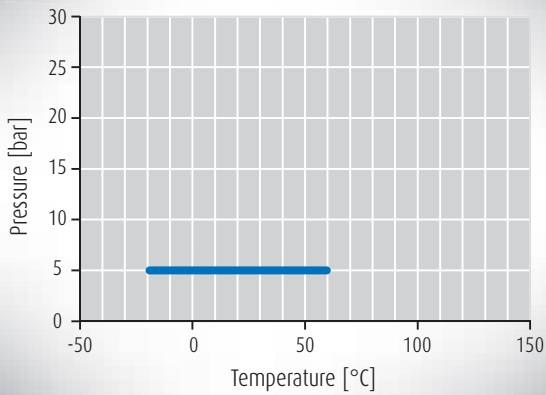
Nickel plated full bore brass ball valve  
 Threaded F/F (ISO 7/1 Rc)  
 Design according to EN331  
 Air testing according to EN12266-1  
 Chromium plated ball, PTFE seats  
 Blow-out proof stem, FKM stem O-rings  
 With handle or butterfly  
 Also available with lockable lever  
 UNI EN331 and TR CU 010 compliant

Shell rating: PN25

Working conditions

- ◆ Suitable for: gas, -20°C to +60°C, pressure class MOP5 (for 1°, 2° and 3° gases according UNI EN437)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F340GM008.792	008 - 1/4"	125	122	15,3
F340GM010.792	010 - 3/8"	125	116	14,5
F340GM015.792	015 - 1/2"	80	195	15,6
F340GM020.792	020 - 3/4"	60	272	16,3
F340GM025.792	025 - 1"	40	433	17,3
F340GQ032.793	032 - 1 1/4"	25	603	15,1
F340GQ040.793	040 - 1 1/2"	16	1034	16,5
F340GQ050.793	050 - 2"	8	1495	12,0



# euroGAS



UNI EN  
331

EAC



## DUCTILE IRON BALL VALVE FOR GAS

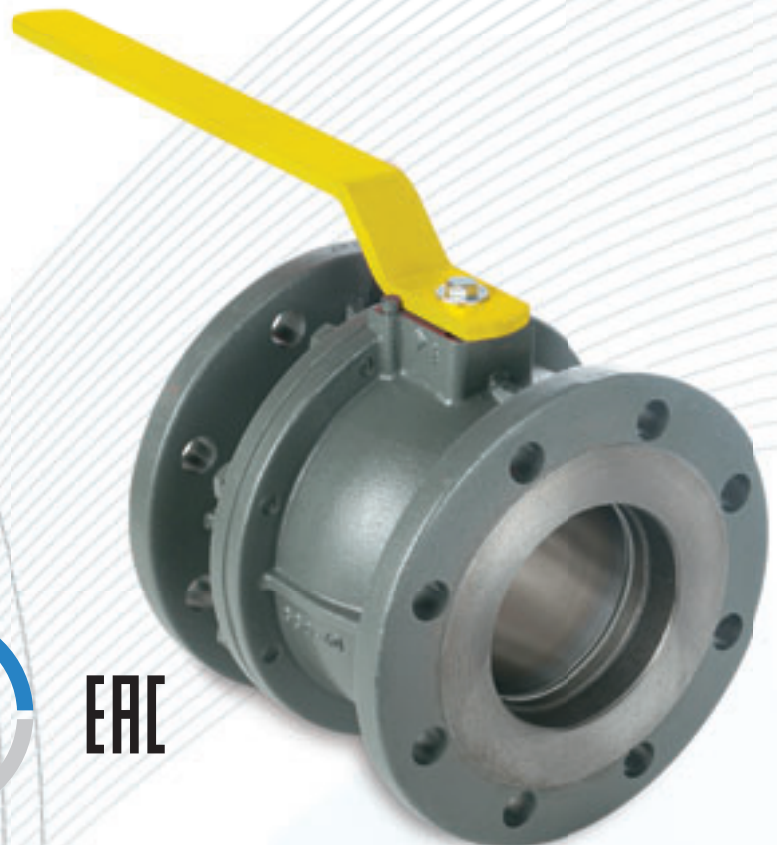
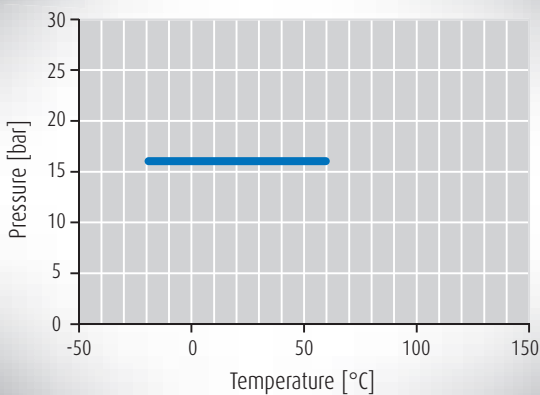
Ductile iron GGG40 ball valve  
 Flanged PN16 according to EN1092-2 (ex DIN2533)  
 Testing according to EN12266-1  
 Lengths according to EN558-1 series 14 (ex DIN3202 F4)  
 (EN558-1 series 15, ex DIN3202 F5, for DN200)  
 Chromium plated ball, PTFE seats  
 FKM stem O-rings, PTFE body O-ring  
 Version with locking device or actuator also available  
 DVGW 3574-1 certified  
 TR CU 010 compliant

PN16

Working conditions

◆ Suitable for: gas, -20°C to +60°C

Code	DN	pcs./box	Wgt (g)	Box (kg)
F39001025.867	025 - 1"	1	3500	3,5
F39001032.867	032 - 1 1/4"	1	5300	5,3
F39001040.867	040 - 1 1/2"	1	6600	6,6
F39001050.867	050 - 2"	1	8800	8,8
F39001065.867	065 - 2 1/2"	1	11400	11,4
F39001080.867	080 - 3"	1	14000	14,0
F39001100.867	100 - 4"	1	17000	17,0
F39001125.867	125 - 5"	1	30000	30,0
F39001150.867	150 - 6"	1	37000	37,0
F39001200.867	200 - 8"	1	84000	84,0





## DUCTILE IRON LUG BUTTERFLY VALVE FOR GAS

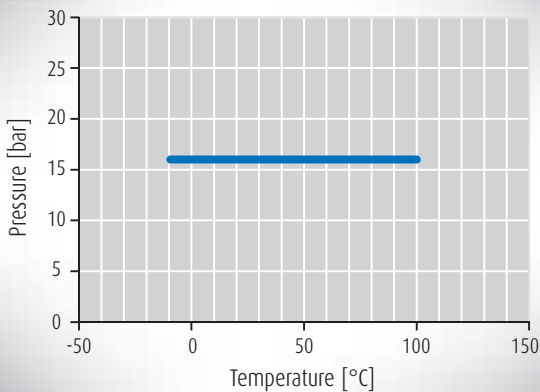
Ductile iron Lug butterfly valve for gas  
 Flanged PN16 according to EN1092-2 (ex DIN2533)  
 Lengths according to EN558-1 series 20 (ex DIN3202 K1)  
 Design according to EN593 + A1  
 Testing according to EN12266-1 (leakage rate A)  
 Epoxy coating  
 TR CU 010 compliant

PN16

Working conditions

◆ Suitable for: gas, -10°C to +100°C

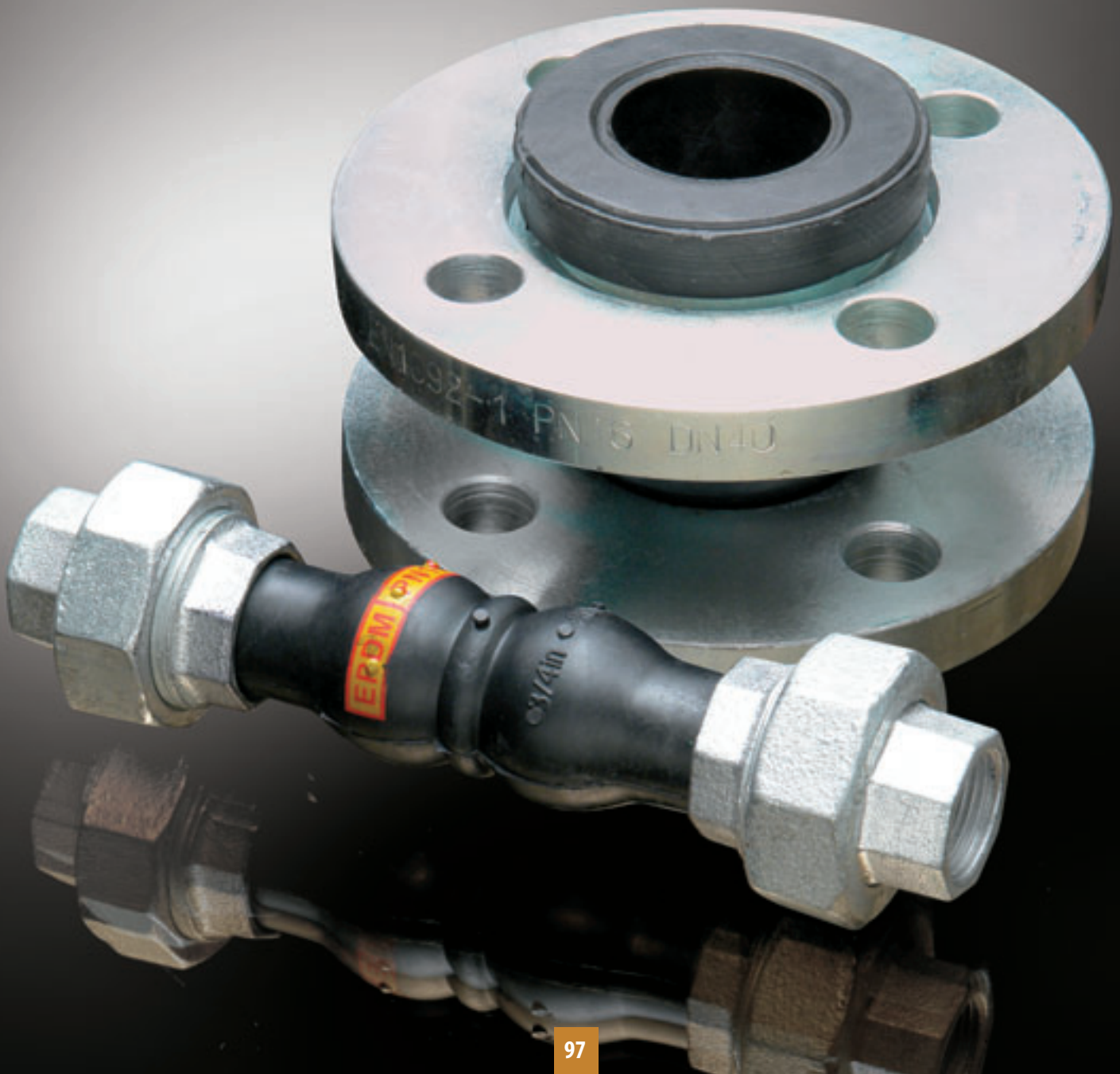
Code	DN	pcs./box	Wgt (g)	Box (kg)
F4321L050.931	050 - 2"	1	4200	4,2
F4321L065.931	065 - 2 1/2"	1	4900	4,9
F4321L080.931	080 - 3"	1	6000	6,0
F4321L100.931	100 - 4"	1	7300	7,3
F4321L125.931	125 - 5"	1	10500	10,5
F4321L150.931	150 - 6"	1	11600	11,6
F4321L200.931	200 - 8"	1	16700	16,7
F4321L250.931	250 - 10"	1	30600	30,6
F4321L300.931	300 - 12"	1	44300	44,3



**ERC**



# FLEXIBLE JOINTS AND AIR VENTS





## BRASS AUTOMATIC AIR VENT

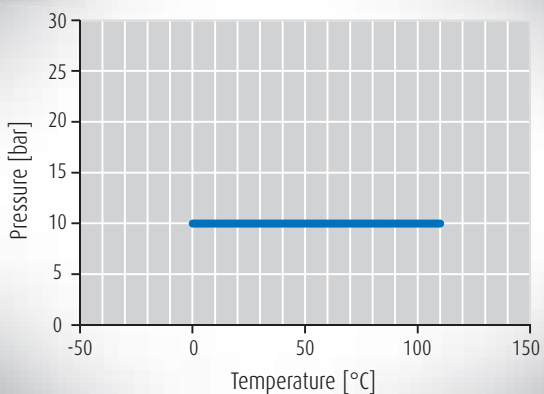
Brass automatic air vent  
 Threaded M (ISO 228/1)  
 With plastic internal parts  
 EPDM body O-ring, polyamide vent plug  
 TR CU 010 compliant

PN10

Working conditions

- ◆ Suitable for: water, 0°C to +110°C  
 over 100°C only for water with added anti-boiling fluids

Code	DN	pcs./box	Wgt (g)	Box (kg)
F93900015.1776	015 - 1/2"	1	154	0,2



**EAC**

# 9380

## CAST IRON AUTOMATIC AIR VENT

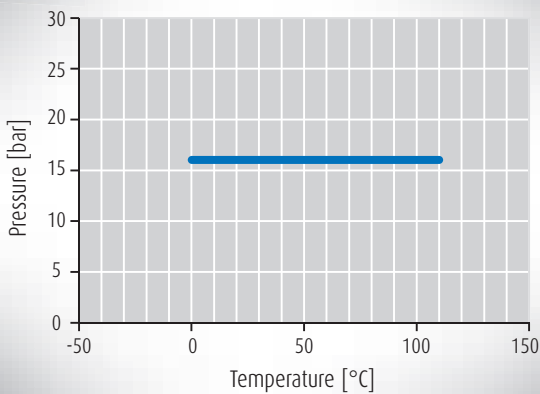
Cast iron automatic air vent  
 Threaded F (ISO 7/1 Rp)  
 Epoxy coating  
 Stainless steel internal parts, EPDM gasket, brass vent

PN16

Working conditions

- ◆ Suitable for: water, 0°C to +110°C  
 over 100°C only for water with added anti-boiling fluids

Code	DN	pcs./box	Wgt (g)	Box (kg)
F93801015.2833	015 - 1/2"	1	3000	3,0
F93801020.2833	020 - 3/4"	1	3000	3,0
F93801025.2833	025 - 1"	1	3000	3,0
F93801032.2833	032 - 1 1/4"	1	3000	3,0
F93801040.2833	040 - 1 1/2"	1	3000	3,0
F93801050.2833	050 - 2"	1	3000	3,0





## DOUBLE SPHERE THREADED RUBBER FLEXIBLE JOINT

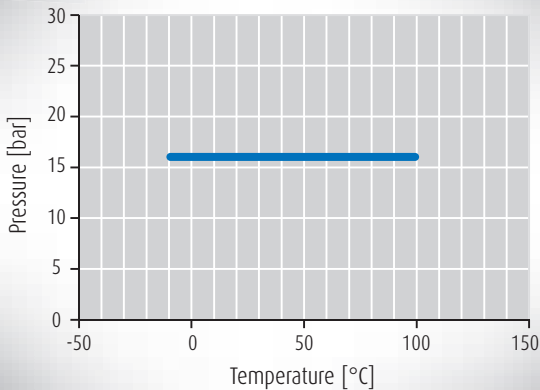
Double sphere threaded rubber flexible joint  
 Threaded F/F union ends (ISO 228/1)  
 Polyamide wired reinforced body  
 Metallic parts in zinc plated cast iron  
 Zinc plated cast iron connections  
 TR CU 010 compliant

PN16

Working conditions

- ◆ Suitable for: water, -10°C to +100°C  
 below 0°C only for water with added antifreeze fluids

Code	DN	pcs./box	Wgt (g)	Box (kg)
KGT800020.1163	020 - 3/4"	1	700	0,7
KGT800025.1163	025 - 1"	1	1000	1,0
KGT800032.1163	032 - 1 1/4"	1	1300	1,3
KGT800040.1163	040 - 1 1/2"	1	1900	1,9
KGT800050.1163	050 - 2"	1	2600	2,6
KGT800065.1163	065 - 2 1/2"	1	3700	3,7
KGT800080.1163	080 - 3"	1	5400	5,4



**ERC**



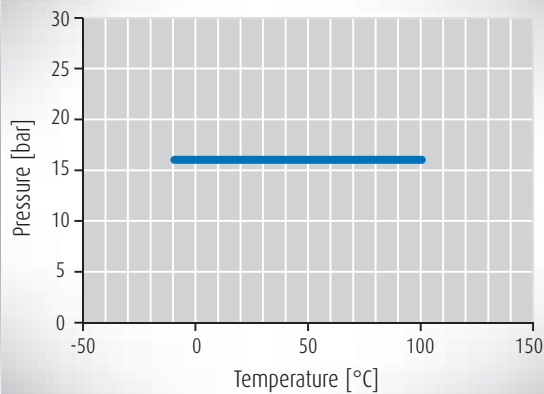
## SINGLE SPHERE FLANGED RUBBER FLEXIBLE JOINT

Single sphere flanged rubber flexible joint  
 Steel flanges according EN1092-1, PN16  
 Polyamide wired reinforced body  
 Steel ring reinforced body/flange joint  
 Steel flanges  
 TR CU 010 compliant

PN16

Working conditions

- ◆ Suitable for: water, -10°C to +100°C  
 below 0°C only for water with added antifreeze fluids



Code	DN	pcs./box	Wgt (g)	Box (kg)
KGT800032.1124	032 - 1 1/4"	1	3100	3,1
KGT800040.1124	040 - 1 1/2"	1	3500	3,5
KGT800050.1124	050 - 2"	1	4400	4,4
KGT800065.1124	065 - 2 1/2"	1	5200	5,2
KGT800080.1124	080 - 3"	1	6500	6,5
KGT800100.1124	100 - 4"	1	7100	7,1
KGT800125.1124	125 - 5"	1	9600	9,6
KGT800150.1124	150 - 6"	1	12400	12,4
KGT800200.1124	200 - 8"	1	17000	17,0
KGT800250.1124	250 - 10"	1	23800	23,8
KGT800300.1124	300 - 12"	1	31000	31,0
KGT800350.1124	350 - 14"	1	46000	46,0
KGT800400.1124	400 - 16"	1	60000	60,0
KGT800450.1124	450 - 18"	1	71000	71,0
KGT800500.1124	500 - 20"	1	105000	105,0
KGT800600.1124	600 - 24"	1	130000	130,0



ERC

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