



Valvoindustria Ing. Rizzio S.p.A.

VIR
Valduggia (VC)
Italy



VIR Foundry & Plastic division
Valduggia (VC)
Italy



VIR Warehouse
Valduggia (VC)
Italy



Red-White Valve
Lake Forest, CA
USA



VIR ME International DWC LLC
Dubai
UAE



VIR Trading Shanghai
Shanghai
China



VIR Taizhou Manufacturing Co
Taizhou
China



VIR 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 its new offices in Dubai.

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

Started 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.

Its 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.



- 1** Citylife - Various buildings for area requalification project - Italy - Milan
- 2** New parliament building - Governative building - Malta - Valletta
- 3** IKEA - Stores - Various in Italy
- 4** Nemocnice Mladá Boleslav - Hospital - Czech Rep. - Mladá Boleslav
- 5** Centaurus Towers - Hotel - Pakistan - Islamabad
- 6** Galleria Burgas - Commercial department - Bulgaria - Burgas
- 7** Moderniz. of central heating system - Residential buildings - Russia - Irkutsk
- 8** TUL - University - Czech Rep. - Liberec
- 9** Gallerie d'Italia - Museum - Italy - Milan
- 10** Psychiatric Hospitals Project - Hospital - Various in Saudi Arabia
- 11** Dal Molin - USAF base - Italy - Vicenza
- 12** Terichem - Industrial building - Slovak Rep. - Svit
- 13** Facoltà di giurisprudenza - University - Italy - Turin
- 14** Hexagon House - Office building - Malta - Marsa
- 15** Tygerberg - Hospital - South Africa - Cape Town
- 16** CPI - Hotel + offices - Czech Rep. - Ústí nad Labem
- 17** Novodvorská Plaza - Commercial department - Czech Rep. - Prague
- 18** Ruwais Housing Complex - Residential buildings - Emirates - Ruwais
- 19** Movenpick Ambassador - Hotel - Ghana - Accra
- 20** District heating - District heating system - Ucraina - Kiev, Kharkiv, Odessa
- 21** Galleria Uffizi - Museum - Italy - Florence
- 22** Cape Town Stadium - Stadium - South Africa - Cape Town
- 23** Khayelitsha Hospital - Hospital - South Africa - Cape Town
- 24** NH Hotel Fiera - Hotel - Italy - Rho
- 25** Torre Velasca - Skyscraper - Italy - Milan
- 26** 26 Fondazione CNAO - Research Center - Italy - Pavia
- 27** Bosco verticale - Skyscraper - Italy - Milan
- 28** IBM Italia - Headquarters - Italy - Segrate
- 29** Mondadori - Office building - Italy - Segrate
- 30** Benazir Bhutto Intl. Airport - Airport - Pakistan - Islamabad
- 31** Edison Candela - Cogeneration power plant - Italy - Candela





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

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STATIC BALANCING



9505

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

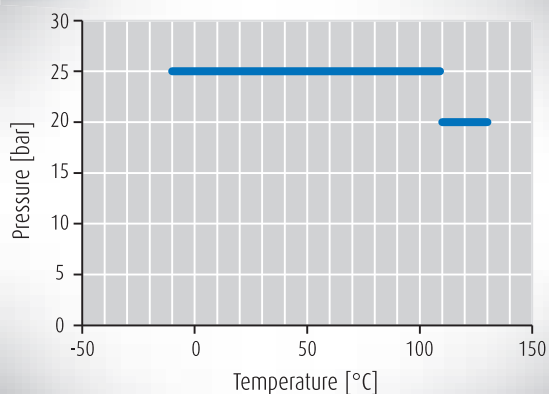
PN25 (Max 25bar up to 110°C, max 20bar above)

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

Working conditions

- ◆ Suitable for: water, -10°C to $+130^{\circ}\text{C}$
below 0°C only for water with added antifreeze fluids
over 100°C only for water with added anti-boiling fluids
(Glycolic-Ethylene and glycolic-propylene mixtures up to 50% may be used)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F9505B010.946	010 - 3/8"	15	474	7,1
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



EAC

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)
Olive and nut kit (O/N) for European copper tubing (EN1057) on request:

- ◆ DN15, kit for 15mm pipe
- ◆ DN20, kit for 22mm pipe

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)

STF and TR CU 010 compliant

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

PN16 with O/N kit (Max 16bar up to 30°C, max 5bar at 120°C)

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

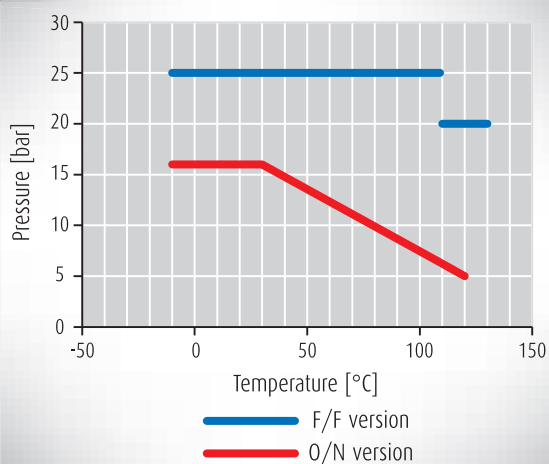
Working conditions

- ◆ 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
(Glycolic-Ethylene and glycolic-propylene mixtures up to 50% may be used)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F95V04015.1094	X 015 - X 1/2"	15	558	8,4
F95V03015.1094	U 015 - U 1/2"	15	558	8,4
F95V02015.1094	L 015 - L 1/2"	15	556	8,3
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

Version with copper pipe adaptors

Code	DN	pcs./box	Wgt (g)	Box(kg)
F95V04015.890	X 015 - X 1/2"	15	621	9,3
F95V03015.890	U 015 - U 1/2"	15	621	9,3
F95V02015.890	L 015 - L 1/2"	15	619	9,3
F95V01015.890	015 - 1/2"	15	613	9,2
F95V01020.890	20 - 3/4"	10	685	6,9



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)
Olive and nut kit (O/N) for European copper tubing (EN1057) on request:
◆ DN15, kit for 15mm pipe
◆ DN20, kit for 22mm pipe
Also available with drain on high pressure test point (Fig. 9586)
Design according to BS7350
Tolerance on nominal Kvs $\pm 3\%$ (test according to BS7350)
TR CU 010 compliant

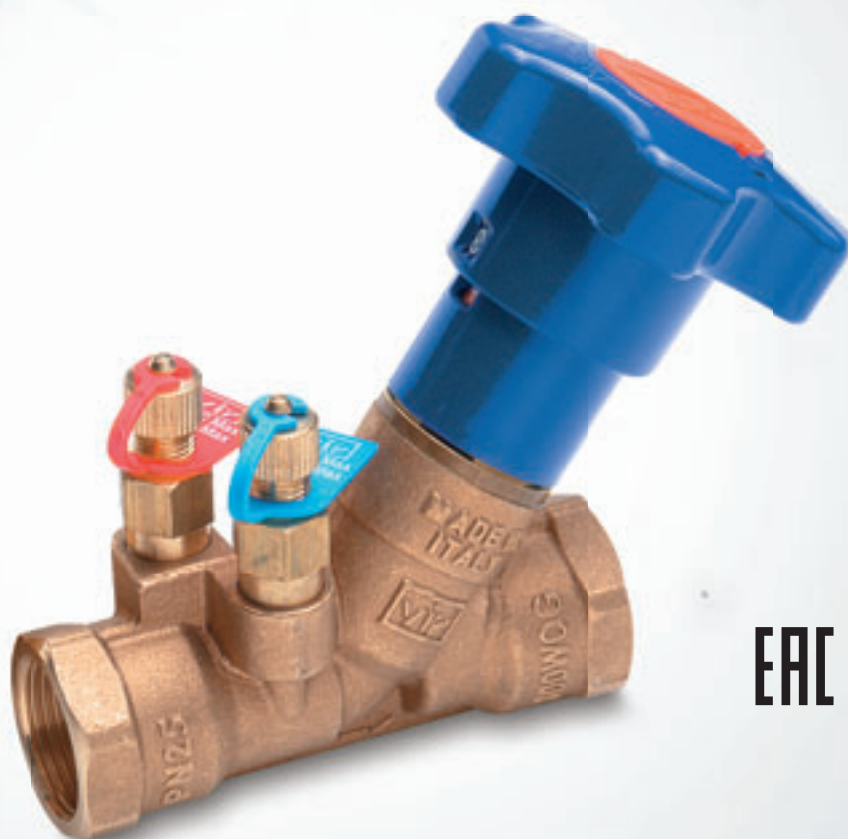
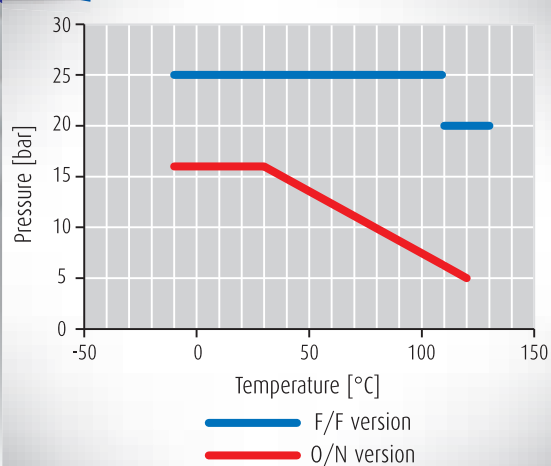
PN25 (Max 25bar up to 110°C, max 20bar above)
PN16 with O/N kit (Max 16bar up to 30°C, max 5bar at 120°C)
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

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
(Glycolic-Ethylene and glycolic-propylene mixtures up to 50% may be used)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F95Z04015.2039	X 015 - X 1/2"	15	575	8,6
F95Z03015.2039	U 015 - U 1/2"	15	575	8,6
F95Z02015.2039	L 015 - L 1/2"	15	570	8,6
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

Version with copper pipe adaptors on request



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)
Olive and nut kit (O/N) for European copper tubing (EN1057) on request:

◆ DN15, kit for 15mm pipe

◆ DN20, kit for 22mm pipe

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

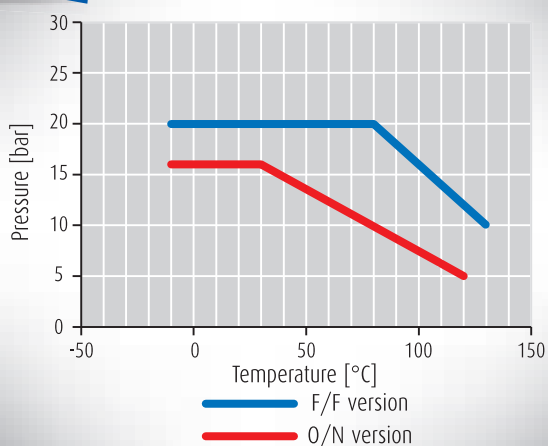
PN20 (Max 20bar up to 80°C, max 10bar at 130°C)

PN16 with O/N kit (Max 16bar up to 30°C, max 5bar at 120°C)

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

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
(Glycolic-Ethylene and glycolic-propylene mixtures up to 50% may be used)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)



Code	DN	pcs./box	Wgt (g)	Box (kg)
F95E0L015.1934	L 015 - L 1/2"	20	340	6,8
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

CE



VARIABLE ORIFICE DZR BRASS DOUBLE REGULATING VALVE

Variable orifice DZR brass double regulating valve
Threaded F/F (ISO 228/1 for DN15 and DN20, ISO 7/1 Rp above)
Olive and nut kit (O/N) for European copper tubing (EN1057) on request:

- ◆ DN15, kit for 15mm pipe
- ◆ DN20, kit for 22mm pipe

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)

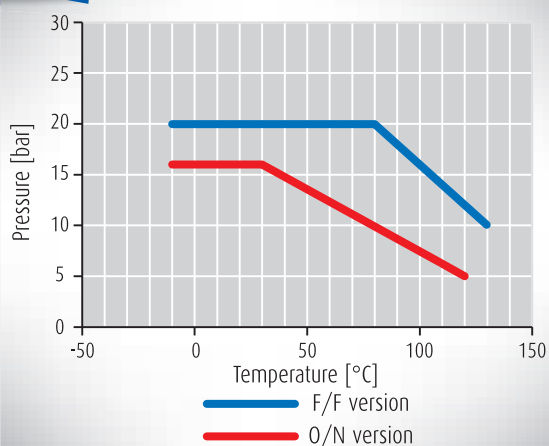
PN16 with O/N kit (Max 16bar up to 30°C, max 5bar at 120°C)

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

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
(Glycolic-Ethylene and glycolic-propylene mixtures up to 50% may be used)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/EU)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F95EBL015.2028	L 015 - L 1/2"	20	390	7,8
F95EB0015.2028	015 - 1/2"	20	390	7,8
F95EB0020.2028	020 - 3/4"	20	510	10,2
F95EB0025.2028	025 - 1"	20	650	13,0



EAC



9555P

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%

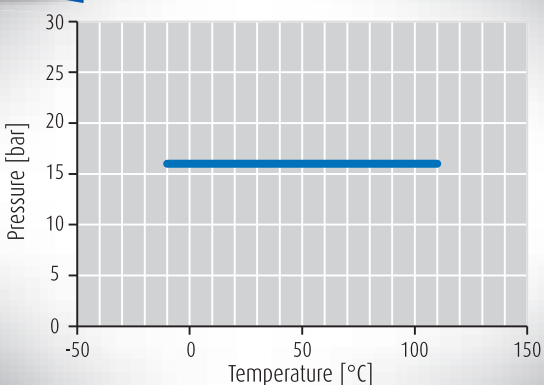
With plugged threaded drains (1/4" ISO 7/1Rp) for test points
Provided with test points (given unmounted)
TR CU 010 compliant

PN16

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
over 100°C only for water with added anti-boiling fluids
(Glycolic-Ethylene and glycolic-propylene mixtures up to 50% may be used)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)



Code	DN	pcs./box	Wgt (g)	Box (kg)
F9500I065.1959	065 - 2 1/2"	1	13400	13,4
F9500I080.1959	080 - 3"	1	17800	17,8
F9500I100.1959	100 - 4"	1	22700	22,7
F9500I125.1959	125 - 5"	1	34000	34,0
F9500I150.1959	150 - 6"	1	48500	48,5
F9500I200.1959	200 - 8"	1	114500	114,5
F9500I250.1959	250 - 10"	1	159000	159,0
F9500I300.1959	300 - 12"	1	210500	210,5



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)
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



9550T

VARIABLE ORIFICE CAST IRON DOUBLE REGULATING VALVE

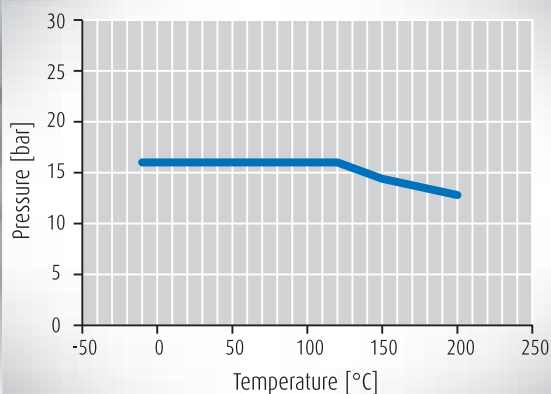
Variable orifice cast iron double regulating valve
 Flanged PN16 according to EN1092-2 (ex DIN2533)
 Lengths according to EN558-1 series 1 (ex DIN3202 F1)
 With plugged threaded drains (1/4" ISO 7/1Rp) for test points
 Test points available on request
 TR CU 010 compliant

PN16 (Max 16bar up to 120°C, then according to rating table)
 Max ΔP 4,5bar for DN350, 3,5bar for DN400
 CE marked (categorization according Dir. 2014/68/EU)

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
 (Glycolic-Ethylene and glycolic-propylene mixtures up to 50% may be used)
- ◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/EU)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F9500I350.1556	350 - 14"	1	535000	535,0
F9500I400.1556	400 - 16"	1	765000	765,0



CE EAC



9565XL

COMMISSIONING KIT FIG.4325 + FIG.9450

Ductile iron Lug butterfly valve Fig.4325

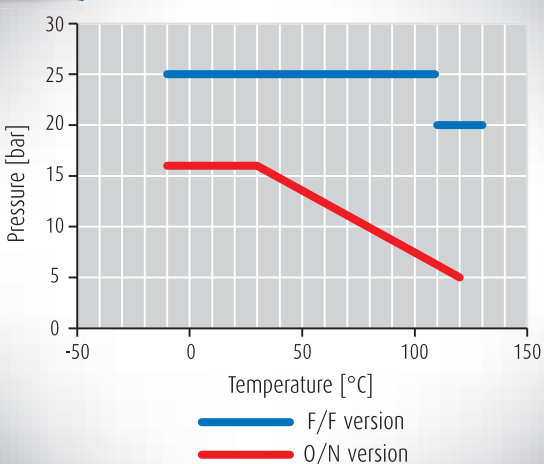
For EN1092 PN16 flanges
 Lengths according to EN558-1 series 20 (ex DIN3202 K1)
 Design according to EN593
 Testing according to EN12266-1
 Epoxy coating (min. 150µm)
 Stainless steel Wafer metering station Fig.9450
 For EN1092 PN16 flanges
 Tolerance on nominal Kvs ±5%
 TR CU 010 compliant

PN10

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

Working conditions

- ◆ Suitable for: water, 0°C to +110°C
 over 100°C only for water with added anti-boiling fluids
 (Glycolic-Ethylene and glycolic-propylene mixtures up to 50% may be used)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)



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



9594, 9595

VARIABLE ORIFICE STAINLESS STEEL BALANCING BALL VALVE

Variable orifice stainless steel balancing ball valve

Available in the following versions:

- ◆ Fig. 9594, welding ends
 - ◆ Fig. 9595, flanged according to EN1092-1 (PN40 for DN≤50, PN16 above)
- With 7mm diameter test points for plastic hose
TR CU 010 compliant

PN40 for DN≤50 (Max 40bar up to 90°C, max 0bar at 200°C)
PN25 for Fig. 9594 DN≥65 (Max 25bar up to 131°C, max 0bar at 200°C)
PN16 for Fig. 9595 DN≥65 (Max 16bar up to 156°C, max 0bar at 200°C)
Free of CE marking for DN≤32 (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions:

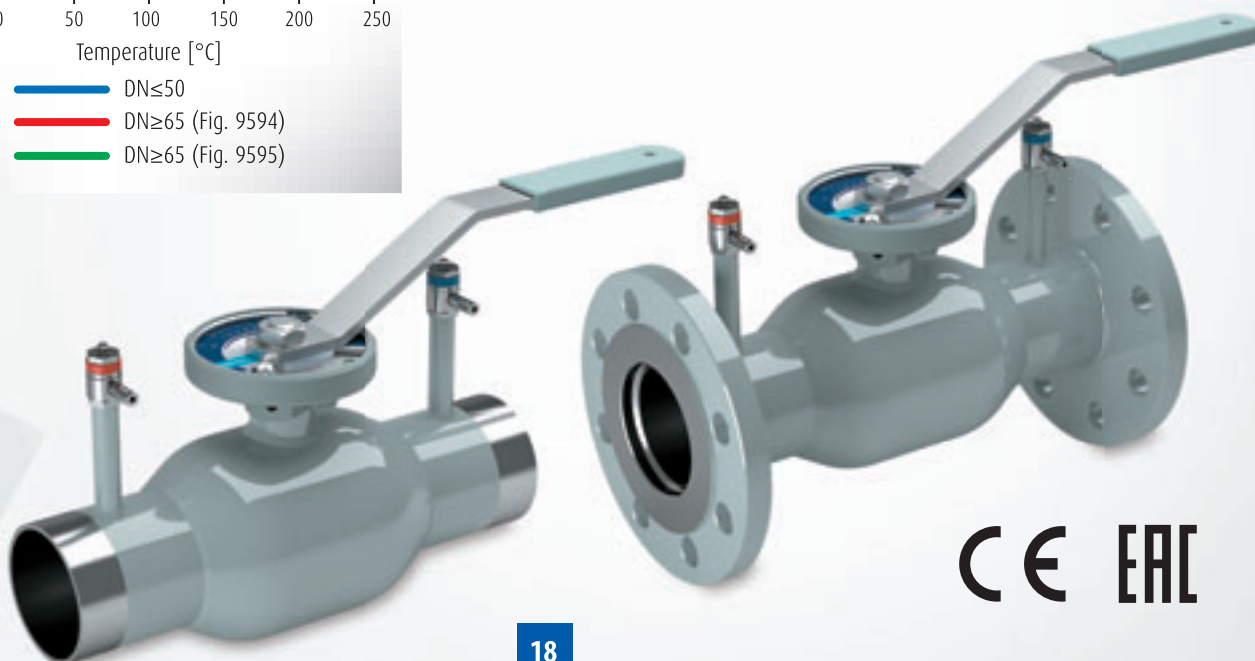
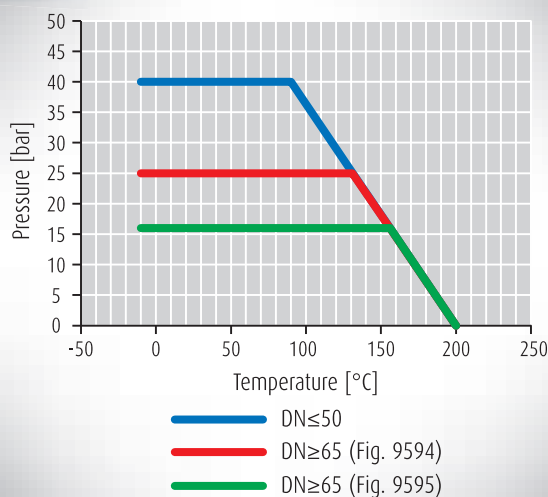
- ◆ Suitable for: water, -10°C to +200°C
below 0°C only for water with added antifreeze fluids
over 100°C only for water with added anti-boiling fluids
(Glycolic-Ethylene and glycolic-propylene mixtures up to 50% may be used)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Fig.9594

Code	DN	pcs./box	Wgt (g)	Box (kg)
F95940015.1215	015 - 1/2"	1	900	0,9
F95940020.1215	020 - 3/4"	1	900	0,9
F95940025.1215	025 - 1"	1	1100	1,1
F95940032.1215	032 - 1 1/4"	1	1300	1,3
F95940040.1215	040 - 1 1/2"	1	2100	2,1
F95940050.1215	050 - 2"	1	2600	2,6
F95940065.1215	065 - 2 1/2"	1	4300	4,3
F95940080.1215	080 - 3"	1	5200	5,2
F95940100.1215	100 - 4"	1	7200	7,2
F95940125.1215	125 - 5"	1	11500	11,5
F95940150.1215	150 - 6"	1	16400	16,4
F95940200.1215	200 - 8"	1	36000	36,0
F95940250.1215	250 - 10"	1	71000	71,0

Fig.9594

Code	DN	pcs./box	Wgt (g)	Box (kg)
F95950015.1775	015 - 1/2"	1	2200	2,2
F95950020.1775	020 - 3/4"	1	2600	2,6
F95950025.1775	025 - 1"	1	3100	3,1
F95950032.1775	032 - 1 1/4"	1	4700	4,7
F95950040.1775	040 - 1 1/2"	1	5900	5,9
F95950050.1775	050 - 2"	1	7600	7,6
F95950065.1775	065 - 2 1/2"	1	9800	9,8
F95950080.1775	080 - 3"	1	11300	11,3
F95950100.1775	100 - 4"	1	15000	15,0
F95950125.1775	125 - 5"	1	22000	22,0
F95950150.1775	150 - 6"	1	30400	30,4
F95950200.1775	200 - 8"	1	51000	51,0
F95950250.1775	250 - 10"	1	100000	100,0



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)

Olive and nut kit (O/N) for European copper tubing (EN1057, F side only) on request:

◆ DN15, kit for 15mm pipe

◆ DN20, kit for 22mm pipe

Design according to BS7350

Tolerance on nominal Kvs $\pm 3\%$ (test according to BS7350)

STF and TR CU 010 compliant

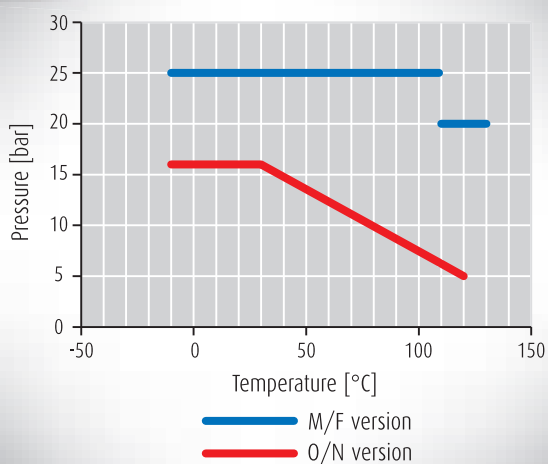
PN25 (Max 25bar up to 110°C, max 20bar above)

PN16 with O/N kit (Max 16bar up to 30°C, max 5bar at 120°C)

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

Working conditions

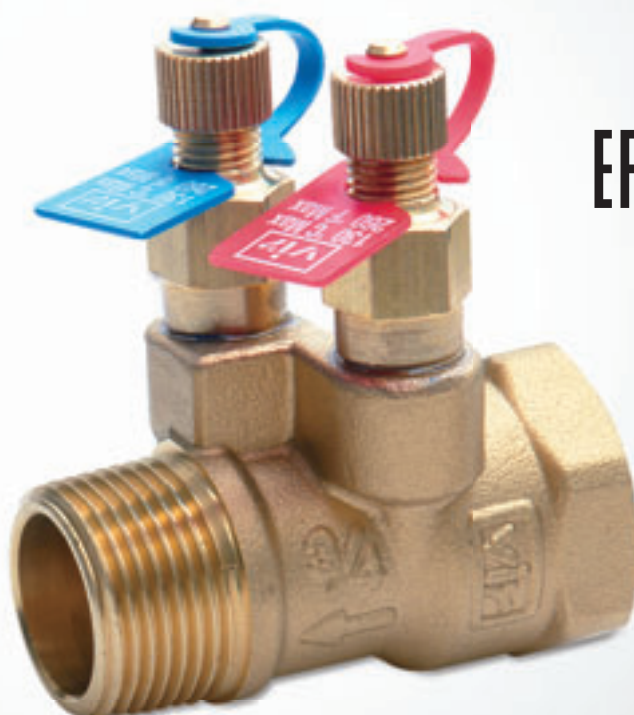
- ◆ Suitable for: water, -10°C to +130°C (120°C with O/N kit)
below 0°C only for water with added antifreeze fluids
over 100°C only for water with added anti-boiling fluids
(Glycolic-Ethylene and glycolic-propylene mixtures up to 50% may be used)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)



Code	DN	pcs./box	Wgt (g)	Box (kg)
F95MS4015.1096	X 015 - X 1/2"	25	219	5,5
F95MS3015.1096	U 015 - U 1/2"	25	219	5,5
F95MS2015.1096	L 015 - L 1/2"	25	217	5,4
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

Version with copper pipe adaptors

Code	DN	pcs./box	Wgt (g)	Box(kg)
F95MS4015.950	X 015 - X 1/2"	25	250	96,3
F95MS3015.950	U 015 - U 1/2"	25	250	6,3
F95MS2015.950	L 015 - L 1/2"	25	248	6,2
F95MS1015.950	015 - 1/2"	25	244	6,1
F95MS1020.950	20 - 3/4"	25	291	7,3



EAC

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

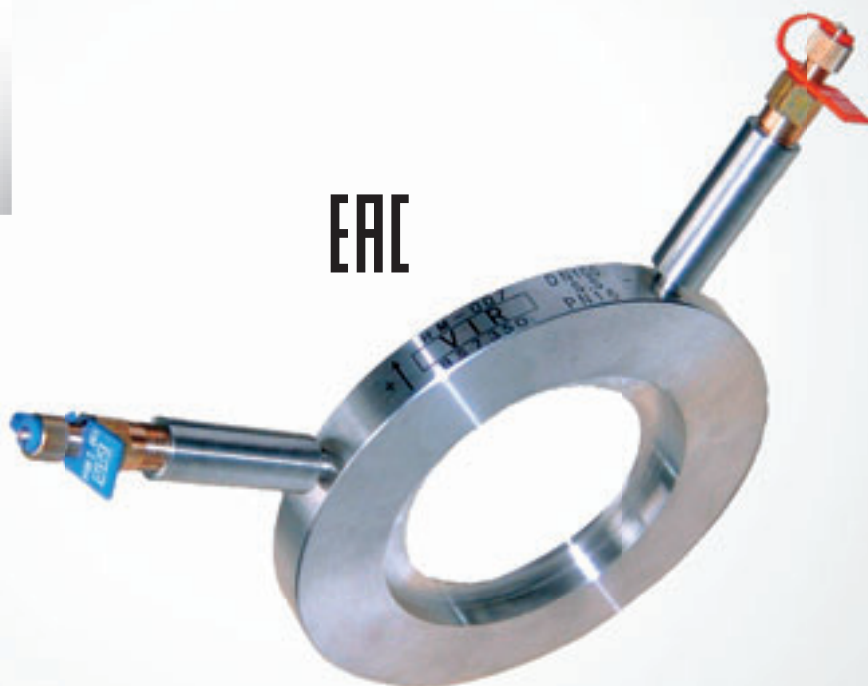
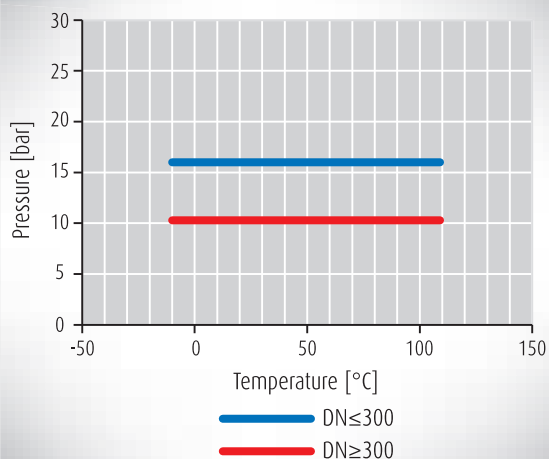
PN16 (PN10 for DN $\times$ 350)

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

Working conditions

- ◆ Suitable for: water, -10°C to $+110^{\circ}\text{C}$
below 0°C only for water with added antifreeze fluids
over 100°C only for water with added anti-boiling fluids
(Glycolic-Ethylene and glycolic-propylene mixtures up to 50% may be used)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
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



EAC

DYNAMIC BALANCING



9900P

STRAIGHT DZR BRASS AUTOMATIC BALANCING VALVE

DZR brass automatic balancing valve
With threaded union F/F ends (ISO 7/1 Rp)
Other connections (Cx, threaded M) or combinations on request
Wide range of flows available (see cartridge list)
Valve bodies interchangeable with 9900V series bodies
TR CU 010 compliant

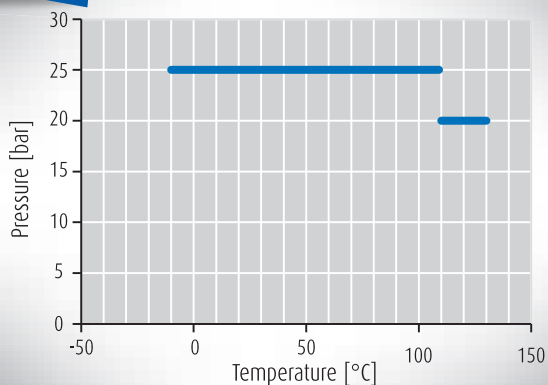
PN25 (Max 25bar up to 110°C, max 20bar above)
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

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
(Glycolic-Ethylene and glycolic-propylene mixtures up to 50% may be used)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)
- ◆ Working ΔP depending on selected cartridge

Code	DN	pcs./box	Wgt (g)	Box (kg)	Cartridge
F990P0015.2281	015 - 1/2"	25	325	8,1	MINI
F990P0H15.2281	H 015 - H 1/2"	25	554	13,9	SMALL
F990POL20.2281	L 020 - L 3/4"	25	400	10,0	MINI
F990P0020.2281	020 - 3/4"	25	552	13,8	SMALL
F990P0025.2281	025 - 1"	25	686	17,2	SMALL
F990P0032.2281	032 - 1 1/4"	10	1763	17,6	MEDIUM
F990P0040.2281	040 - 1 1/2"	10	1739	17,4	MEDIUM
F990P0050.2281	050 - 2"	10	2273	22,7	MEDIUM

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

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).

9905V

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)
 Valve bodies interchangeable with 9900P series bodies
 TR CU 010 compliant

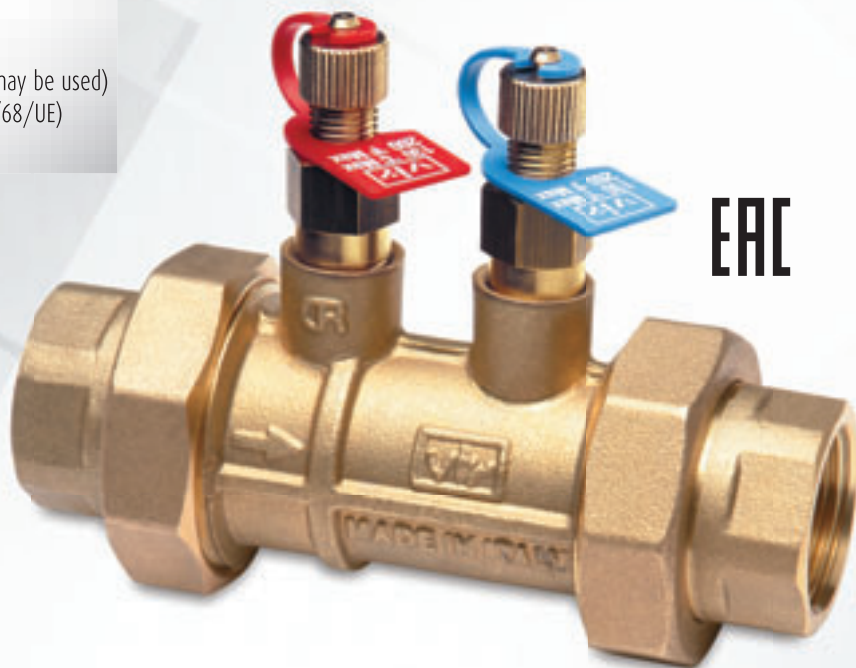
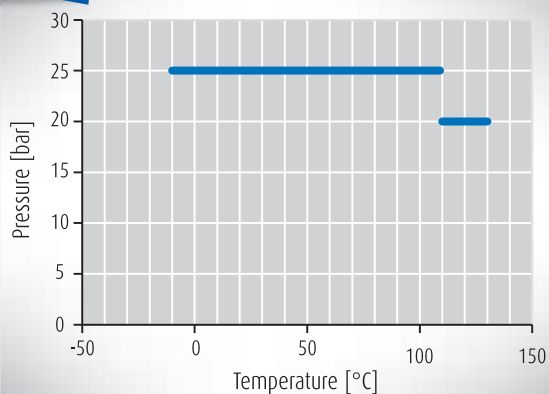
PN25 (Max 25bar up to 110°C, max 20bar above)
 Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

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
 (Glycolic-Ethylene and glycolic-propylene mixtures up to 50% may be used)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)
- ◆ 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



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

For MINI, SMALL and MEDIUM cartridges please refer to the page of Fig. 9900P.
 For available LARGE cartridges please refer to the table on this page.
 Ordering code: KRR99Modl.1880 (model number as per table).

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



9920 SERIES

STRAIGHT DZR BRASS ON/OFF AUTOMATIC BALANCING VALVE

DZR brass ON/OFF 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)
Available in the following versions:

◆ Fig. 9920, with threaded and plugged drains (1/4" ISO 7/1Rp)
(allow later mounting of test points)

◆ Fig. 9925, with test points

With threaded M30x1,5 connection for linear actuator
TR CU 010 compliant

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

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

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
(Glycolic-Ethylene and glycolic-propylene mixtures up to 50% may be used)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)
- ◆ Working ΔP depending on selected cartridge

Fig.9920

Code	DN	pcs./box	Wgt (g)	Box (kg)	Cartridge
F99T00015.2164	015 - 1/2"	20	613	12,3	MINI
F99T00H15.2239	H 015 - H 1/2"	20	831	16,6	SMALL
F99T00L20.2164	L 020 - L 3/4"	20	663	13,3	MINI
F99T00020.2239	020 - 3/4"	20	845	16,9	SMALL
F99T00025.2239	025 - 1"	20	965	19,3	SMALL

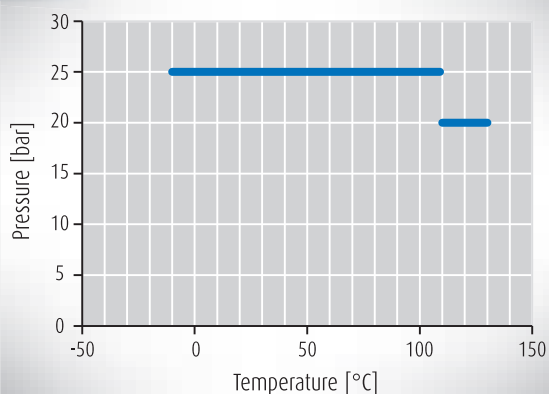
including cartridge

Fig.9925

Code	DN	pcs./box	Wgt (g)	Box (kg)	Cartridge
F99T50015.2358	015 - 1/2"	20	677	13,5	MINI
F99T50H15.2359	H 015 - H 1/2"	20	895	17,9	SMALL
F99T50L20.2358	L 020 - L 3/4"	20	727	14,5	MINI
F99T50020.2359	020 - 3/4"	20	909	18,2	SMALL
F99T50025.2359	025 - 1"	20	1029	20,6	SMALL

including cartridge

Cartridges are available in different ranges of working differential pressure, the minimum and maximum working ΔP therefore depend on the specific cartridge model. For the list of the available cartridges please refer to the page of Fig. 9900P.



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

Vaurien Actuator, 230VAC version

Code	DN	pcs./box	Wgt (g)	Box (kg)
KA952AT50.800	100N, all diameters	1	100	0,1

Vaurien Actuator, 24V AC/DC version

Code	DN	pcs./box	Wgt (g)	Box (kg)
KA952AT52.800	100N, all diameters	1	100	0,1



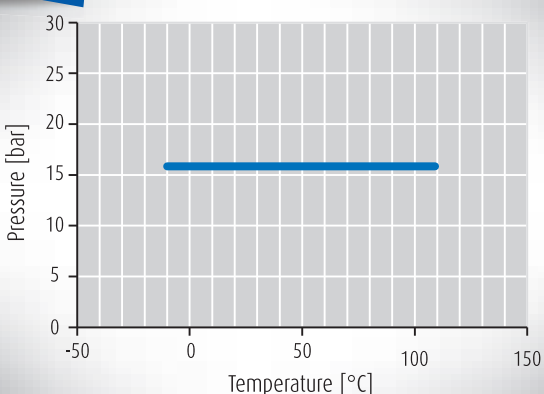
DUCTILE IRON AUTOMATIC BALANCING VALVE

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)
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
over 100°C only for water with added anti-boiling fluids
(Glycolic-Ethylene and glycolic-propylene mixtures up to 50% may be used)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)
- ◆ Multi cartridge system for DN $\geq$ 100
- ◆ Minimum working ΔP 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 ΔP 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 (KIT995000.2468).
Ordering codes for cartridges: KRR99Modl.1880 (available flows and model numbers as per table).

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



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

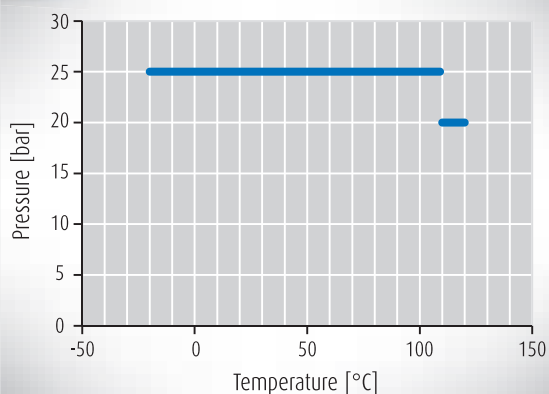
DZR brass ON/OFF differential pressure control valve (DPCV)
Threaded F/F (ISO 7/1 Rp)
Max differential pressure between inlet/outlet of the valve 250kPa
Different regulating ΔP ranges available, tolerance on nominal $\Delta P \pm 25\%$
With copper capillary tube (length 1m) and test points included

PN25 (Max 20Bar above 110°C)
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

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
(Glycolic-Ethylene and glycolic-propylene mixtures up to 50% may be used)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)	ΔP 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 ΔP range 20-80kPa from DN65 to DN150
- ◆ For regulating ΔP range 80-160kPa from DN65 to DN100

Tolerance on nominal ΔP $\pm 10\%$

With copper capillary tube, diameter 4mm, length 2m

Test points and joints included (refer to installation paragraph)

TR CU 010 compliant

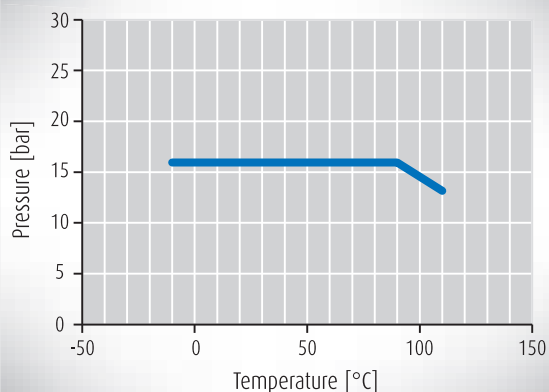
PN16 (Max 16bar up to 90°C, max 13bar at 110°C)

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
over 100°C only for water with added anti-boiling fluids
(Glycolic-Ethylene and glycolic-propylene mixtures up to 50% may be used)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)	ΔP 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



9700 SERIES

DZR BRASS PRESSURE INDEPENDENT CONTROL VALVE (PICV)

DZR brass pressure independent control valve (PICV)

Threaded M/M for union ends (ISO228/1)

With regulation cartridge for ΔP 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)

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

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

(Glycolic-Ethylene and glycolic-propylene mixtures up to 50% may be used)

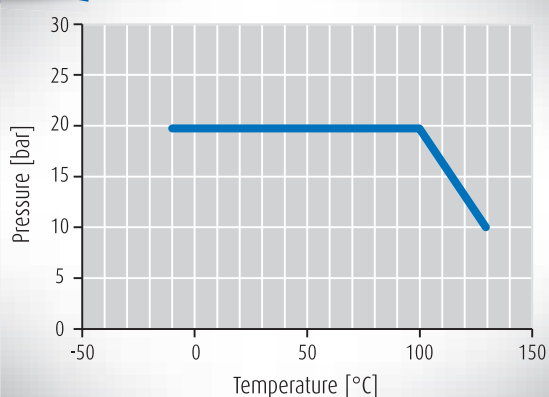
◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

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

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



PATENTED

ERC

OPTIONAL PICV ACTUATOR FOR FIG. 9700 E 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

PN16 with O/N kit (Max 16bar up to 30°C, max 5bar at 120°C)
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)



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



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

Working conditions

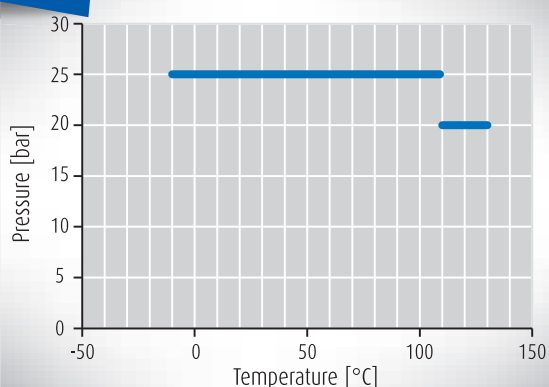
- ◆ Suitable for: water, -10°C to +130°C
below 0°C only for water with added antifreeze fluids
over 100°C only for water with added anti-boiling fluids
(Glycolic-Ethylene and glycolic-propylene mixtures up to 50% may be used)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

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

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
(Glycolic-Ethylene and glycolic-propylene mixtures up to 50% may be used)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

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

P100, T550, T900

DIFFERENTIAL PRESSURE MANOMETERS

P100 differential pressure manometer
Portable battery power supply
Integral pressure measuring sensor
1000 Kpa pressure range

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



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



T900 differential pressure manometer with flow calculation
Supplied with PC data storage software
Portable battery power supply
Measuring program running on Android OS
Bluetooth measuring sensor only, Android device NOT included
Data entry capacity dep. on memory available on Android device
1000 Kpa pressure range

Working conditions
Working ambient temperature: 0° to +40°C
Working fluid temperature: -30° to +120°C



Code	Type	pcs./box	Wgt (g)	Box (kg)
KMMMAND04.720	P100	1	380	0,4
KMMMAND02.720	T550F	1	1800	1,8
KMMMAND03.720	T900	1	2800	2,8

Spare measuring needles

Code	Type	pcs./box	Wgt (g)	Box(kg)
KMM2AGO00.1451	-	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 BORE BRASS BALL VALVE

Chromium plated full bore 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)
Free of CE marking for DN≤32 (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

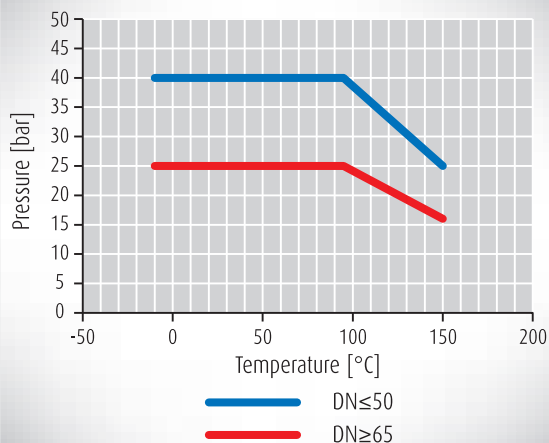
- ◆ Suitable for: water, 0°C to +150°C
- ◆ Suitable for: air, -10°C to +150°C
- ◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/UE)

Lever handle version

Code	DN	pcs./box	Wgt (g)	Box (kg)
F3400V008.153	008 - 1/4"	125	110	13,8
F3400V010.153	010 - 3/8"	125	120	15,0
F3400V015.153	015 - 1/2"	90	220	19,8
F3400V020.153	020 - 3/4"	60	305	18,3
F3400V025.153	025 - 1"	35	520	18,2
F3400V032.153	032 - 1 1/4"	25	815	20,4
F3400V040.153	040 - 1 1/2"	16	1210	19,4
F3400V050.153	050 - 2"	8	1805	14,4
F3400V065.153	065 - 2 1/2"	6	3345	20,1
F3400V080.153	080 - 3"	4	5338	21,4
F3400V100.153	100 - 4"	2	8600	17,2

Butterfly handle version

Code	DN	pcs./box	Wgt (g)	Box(kg)
F3400V008.157	008 - 1/4"	125	90	11,3
F3400V010.157	010 - 3/8"	125	100	12,5
F3400V015.157	015 - 1/2"	90	195	17,6
F3400V020.157	020 - 3/4"	60	280	16,8
F3400V025.157	025 - 1"	35	470	16,5
F3400V032.157	032 - 1 1/4"	25	765	19,1
F3400V040.157	040 - 1 1/2"	16	1090	17,4
F3400V050.157	050 - 2"	8	1685	13,5



FULL BORE BRASS BALL VALVE

Chromium plated full bore brass ball valve
Threaded M/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)
Free of CE marking for DN≤32 (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

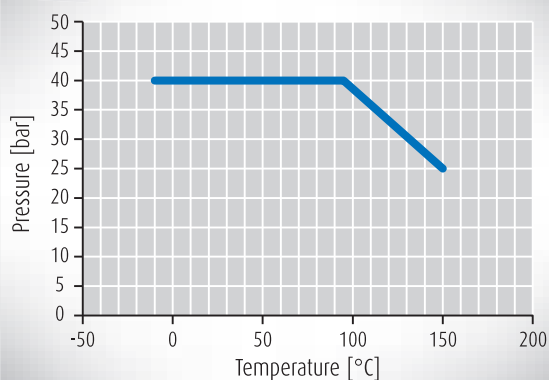
- ◆ Suitable for: water, 0°C to +150°C
- ◆ Suitable for: air, -10°C to +150°C
- ◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/EU)

Lever handle version

Code	DN	pcs./box	Wgt (g)	Box (kg)
F3430V008.153	008 - 1/4"	125	113	14,1
F3430V010.153	010 - 3/8"	125	120	15,0
F3430V015.153	015 - 1/2"	75	213	16,0
F3430V020.153	020 - 3/4"	50	313	15,7
F3430V025.153	025 - 1"	30	519	15,6
F3430V032.153	032 - 1 1/4"	20	832	16,6
F3430V040.153	040 - 1 1/2"	12	1220	14,6
F3430V050.153	050 - 2"	8	1915	15,3

Butterfly handle version

Code	DN	pcs./box	Wgt (g)	Box(kg)
F3430V008.157	008 - 1/4"	125	90	11,3
F3430V010.157	010 - 3/8"	125	100	12,5
F3430V015.157	015 - 1/2"	75	195	14,6
F3430V020.157	020 - 3/4"	50	285	14,3
F3430V025.157	025 - 1"	30	480	14,4
F3430V032.157	032 - 1 1/4"	20	780	15,6
F3430V040.157	040 - 1 1/2"	12	1150	13,8
F3430V050.157	050 - 2"	8	1780	14,2



FULL BORE BRASS BALL VALVE

Chromium plated full bore brass ball valve
Threaded M/M (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)
Free of CE marking for DN≤32 (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

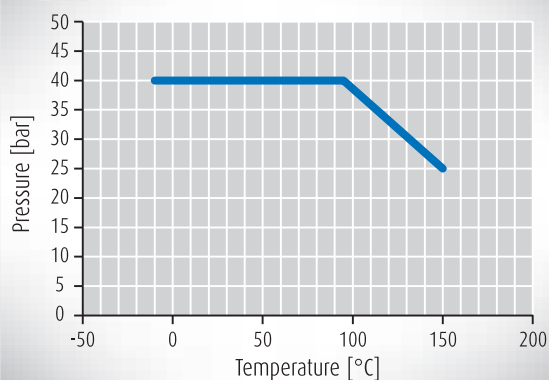
- ◆ Suitable for: water, 0°C to +150°C
- ◆ Suitable for: air, -10°C to +150°C
- ◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/UE)

Lever handle version

Code	DN	pcs./box	Wgt (g)	Box (kg)
F3480V010.153	010 - 3/8"	125	121	15,1
F3480V015.153	015 - 1/2"	75	220	16,5
F3480V020.153	020 - 3/4"	50	325	16,3
F3480V025.153	025 - 1"	30	553	16,6
F3480V032.153	032 - 1 1/4"	20	858	17,2
F3480V040.153	040 - 1 1/2"	12	1202	14,4
F3480V050.153	050 - 2"	8	1927	15,4

Butterfly handle version

Code	DN	pcs./box	Wgt (g)	Box(kg)
F3480V010.157	010 - 3/8"	125	101	12,6
F3480V015.157	015 - 1/2"	75	195	14,6
F3480V020.157	020 - 3/4"	50	300	15,0
F3480V025.157	025 - 1"	30	503	15,1
F3480V032.157	032 - 1 1/4"	20	808	16,2
F3480V040.157	040 - 1 1/2"	12	1082	13,0
F3480V050.157	050 - 2"	8	1807	14,5



FULL BORE BRASS BALL VALVE WITH DRAIN

Chromium plated full bore 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)

Free of CE marking for DN≤32 (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

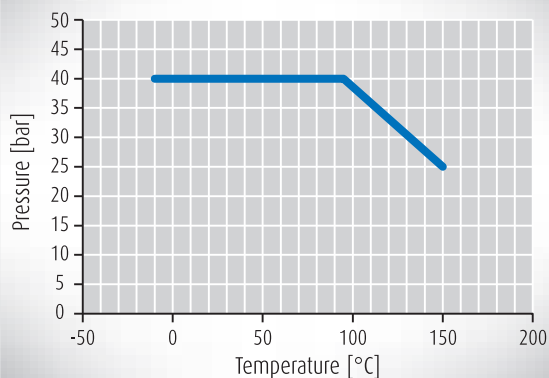
- ◆ Suitable for: water, 0°C to +150°C
- ◆ Suitable for: air, -10°C to +150°C
- ◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/UE)

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



33FF

FULL BORE BRASS BALL VALVE WITH REVERSIBLE HANDLE

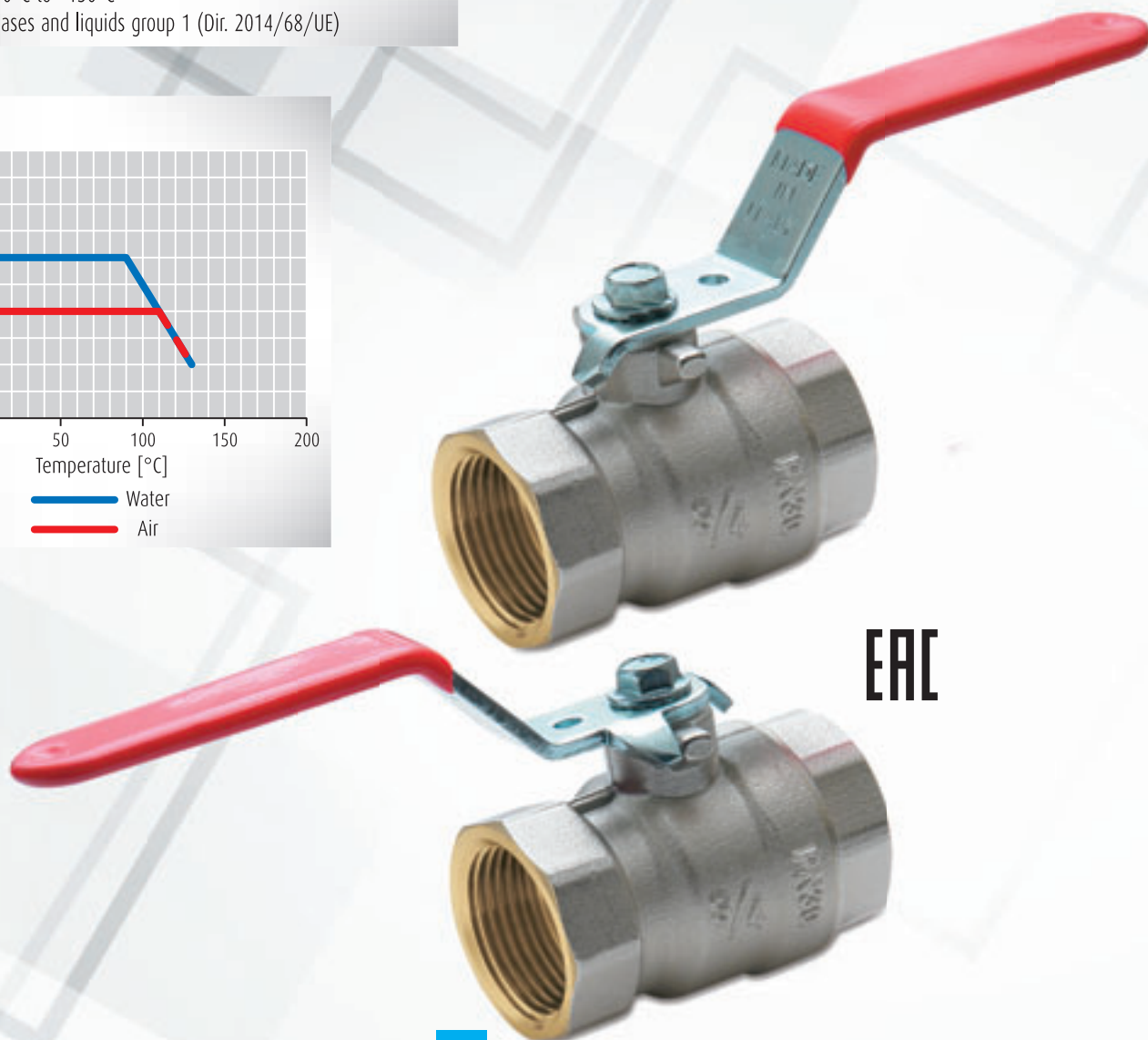
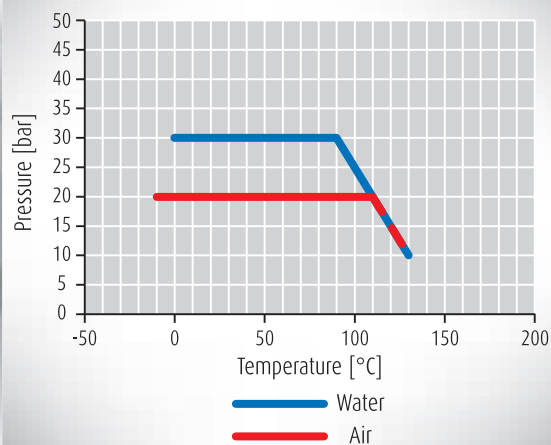
Nickel plated full bore brass ball valve
Threaded F/F (ISO 228/1)
Threads and internal parts not plated
Air testing according to EN12266-1
Chromium plated ball, PTFE seats
Blow-out proof stem, FKM + NBR stem O-rings
Reversible handle
TR CU 010 compliant

PN30 (Max 30bar up to 90°C, max 10bar at 130°C)
When used with air Max 20bar up to 110°C, max 10bar at 130°C
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +130°C
- ◆ Suitable for: air, -10°C to +130°C
- ◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F33FF0010.2572	010 - 3/8"	125	85	10,6
F33FF0015.2572	015 - 1/2"	90	165	14,9
F33FF0020.2572	020 - 3/4"	60	230	13,8
F33FF0025.2572	025 - 1"	35	390	13,7
F33FF0032.2572	032 - 1 1/4"	25	560	14,0
F33FF0040.2572	040 - 1 1/2"	16	830	13,3
F33FF0050.2572	050 - 2"	8	1310	10,5



EAC

33MF

FULL BORE BRASS BALL VALVE WITH REVERSIBLE HANDLE

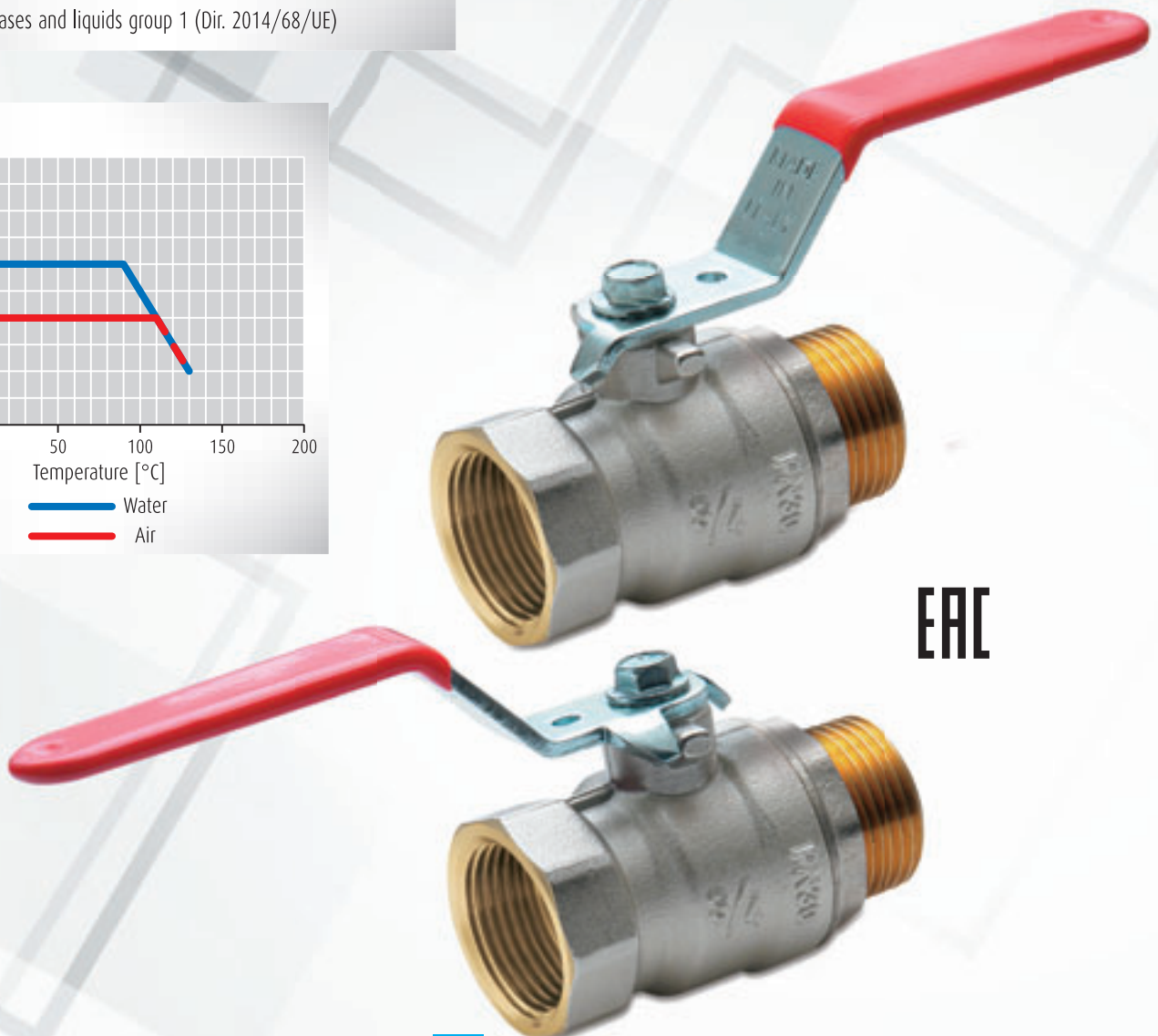
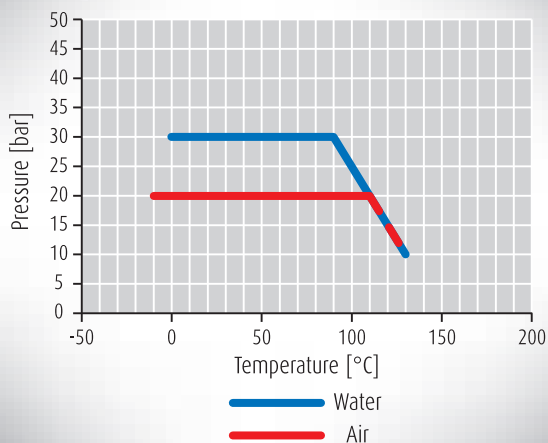
Nickel plated full bore brass ball valve
Threaded M/F (ISO 228/1)
Threads and internal parts not plated
Air testing according to EN12266-1
Chromium plated ball, PTFE seats
Blow-out proof stem, FKM + NBR stem O-rings
Reversible handle
TR CU 010 compliant

PN30 (Max 30bar up to 90°C, max 10bar at 130°C)
When used with air Max 20bar up to 110°C, max 10bar at 130°C
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +130°C
- ◆ Suitable for: air, -10°C to +130°C
- ◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F33MF0010.2574	010 - 3/8"	125	90	11,3
F33MF0015.2574	015 - 1/2"	75	170	12,8
F33MF0020.2574	020 - 3/4"	50	250	12,5
F33MF0025.2574	025 - 1"	30	410	12,3
F33MF0032.2574	032 - 1 1/4"	20	590	11,8
F33MF0040.2574	040 - 1 1/2"	12	835	10,0
F33MF0050.2574	050 - 2"	8	1370	11,0



EAC

33MM

FULL BORE BRASS BALL VALVE WITH REVERSIBLE HANDLE

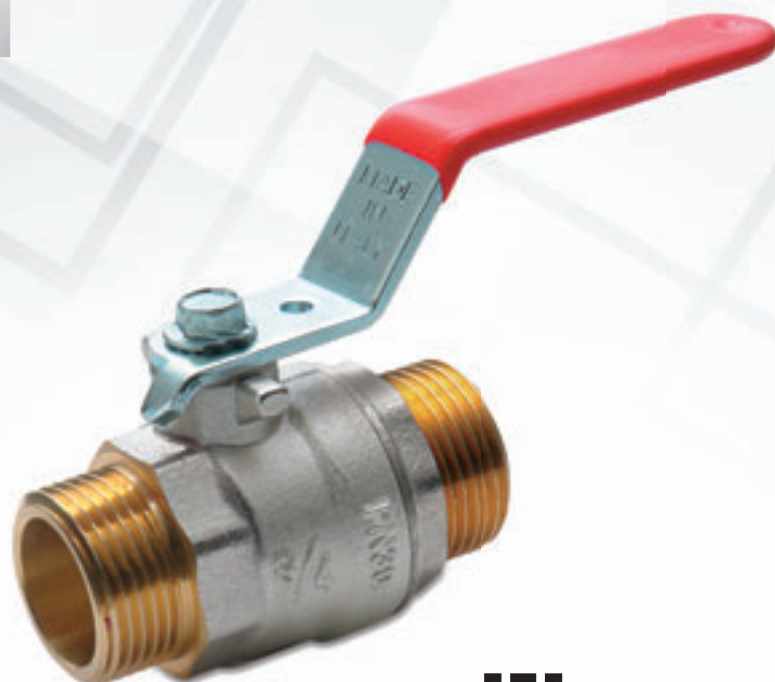
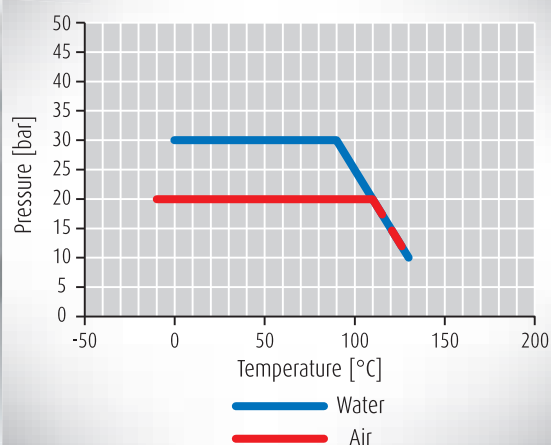
Nickel plated full bore brass ball valve
Threaded M/M (ISO 228/1)
Threads and internal parts not plated
Air testing according to EN12266-1
Chromium plated ball, PTFE seats
Blow-out proof stem, FKM + NBR stem O-rings
Reversible handle
TR CU 010 compliant

PN30 (Max 30bar up to 90°C, max 10bar at 130°C)
When used with air Max 20bar up to 110°C, max 10bar at 130°C
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +130°C
- ◆ Suitable for: air, -10°C to +130°C
- ◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F33MM0010.2576	010 - 3/8"	125	90	11,3
F33MM0015.2576	015 - 1/2"	75	160	12,0
F33MM0020.2576	020 - 3/4"	50	240	12,0
F33MM0025.2576	025 - 1"	30	400	12,0



EAC

FULL BORE BRASS BALL VALVE

Nickel plated full bore 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

NBR stem O-ring + adjustable PTFE packing

With handle or butterfly (up to DN≤50)

ACS and TR CU 010 compliant

PN25 (when used with air PN16 for DN≤50, PN10 for DN≥65)

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

Working conditions

◆ Suitable for: water, 0°C to +95°C

◆ Suitable for: air, -10°C to +110°C

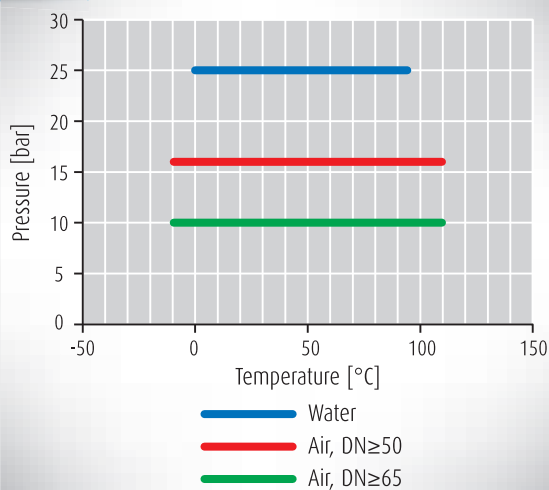
◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/EU)

Lever handle version

Code	DN	pcs./box	Wgt (g)	Box (kg)
F330K0008.1670	008 - 1/4"	36	120	4,3
F330K0010.1670	010 - 3/8"	36	124	4,5
F330K0015.1670	015 - 1/2"	24	178	4,3
F330K0020.1670	020 - 3/4"	16	240	3,8
F330K0025.1670	025 - 1"	10	420	4,2
F330K0032.1670	032 - 1 1/4"	36	590	21,2
F330K0040.1670	040 - 1 1/2"	24	850	20,4
F330K0050.1670	050 - 2"	12	1330	16,0
F330K0065.1670	065 - 2 1/2"	6	2963	17,8
F330K0080.1670	080 - 3"	4	3747	15,0
F330K0100.1670	100 - 4"	2	5841	11,7

Butterfly handle version

Code	DN	pcs./box	Wgt (g)	Box (kg)
F330K0008.1672	008 - 1/4"	36	100	3,6
F330K0010.1672	010 - 3/8"	36	104	3,7
F330K0015.1672	015 - 1/2"	24	143	3,4
F330K0020.1672	020 - 3/4"	16	205	3,3
F330K0025.1672	025 - 1"	10	360	3,6



EAC

ACS

FULL BORE BRASS BALL VALVE

Nickel plated full bore brass ball valve

Threaded M/F (ISO 228/1)

Threads and internal parts not plated

Air testing according EN12266-1

Chromium plated ball, PTFE seats

Blow-out proof stem

NBR stem O-ring + adjustable PTFE packing

With handle or butterfly

ACS and TR CU 010 compliant

PN25 (PN16 when used with air)

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

Working conditions

◆ Suitable for: water, 0°C to +95°C

◆ Suitable for: air, -10°C to +110°C

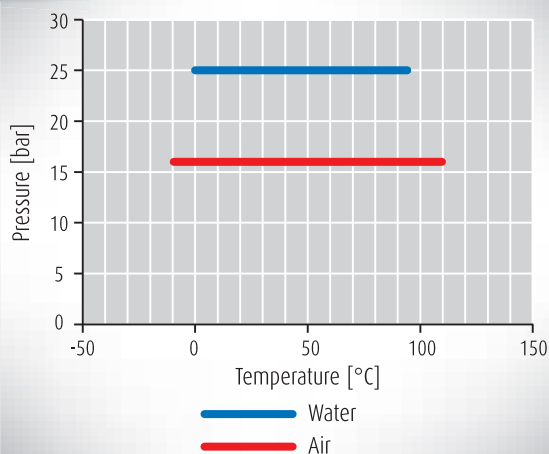
◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/EU)

Lever handle version

Code	DN	pcs./box	Wgt (g)	Box (kg)
F333K0008.1673	008 - 1/4"	36	125	4,5
F333K0010.1673	010 - 3/8"	36	128	4,6
F333K0015.1673	015 - 1/2"	24	196	4,7
F333K0020.1673	020 - 3/4"	16	262	4,2
F333K0025.1673	025 - 1"	10	445	4,5
F333K0032.1673	032 - 1 1/4"	36	635	22,9
F333K0040.1673	040 - 1 1/2"	24	900	21,6
F333K0050.1673	050 - 2"	12	1448	17,4

Butterfly handle version

Code	DN	pcs./box	Wgt (g)	Box (kg)
F333K0008.1687	008 - 1/4"	36	105	3,8
F333K0010.1687	010 - 3/8"	36	108	3,9
F333K0015.1687	015 - 1/2"	24	159	3,8
F333K0020.1687	020 - 3/4"	16	227	3,6
F333K0025.1687	025 - 1"	10	385	3,9



EAC

ACS

FULL BORE BRASS BALL VALVE

Nickel plated full bore brass ball valve

Threaded M/M (ISO 228/1)

Threads and internal parts not plated

Air testing according EN12266-1

Chromium plated ball, PTFE seats

Blow-out proof stem

NBR stem O-ring + adjustable PTFE packing

With handle or butterfly

ACS and TR CU 010 compliant

PN25 (PN16 when used with air)

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

Working conditions

◆ Suitable for: water, 0°C to +95°C

◆ Suitable for: air, -10°C to +110°C

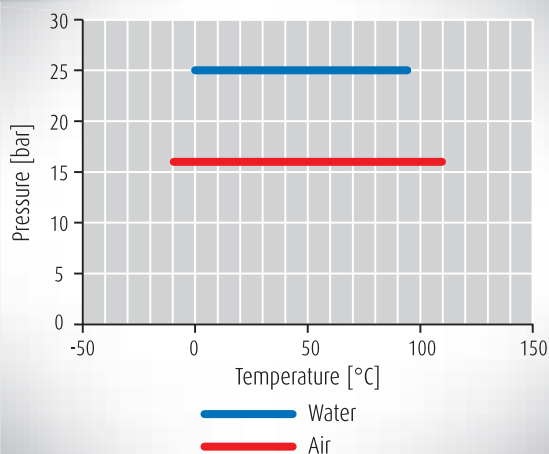
◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/UE)

Lever handle version

Code	DN	pcs./box	Wgt (g)	Box (kg)
F338K0015.1680	015 - 1/2"	24	196	4,7
F338K0020.1680	020 - 3/4"	16	265	4,2
F338K0025.1680	025 - 1"	10	449	4,5
F338K0032.1680	032 - 1 1/4"	36	647	23,3
F338K0040.1680	040 - 1 1/2"	24	891	21,4
F338K0050.1680	050 - 2"	12	1464	17,6

Butterfly handle version

Code	DN	pcs./box	Wgt (g)	Box (kg)
F338K0015.1688	015 - 1/2"	24	161	3,9
F338K0020.1688	020 - 3/4"	16	230	3,7
F338K0025.1688	025 - 1"	10	389	3,9



ERC

ACS

FULL BORE BRASS BALL VALVE WITH UNION

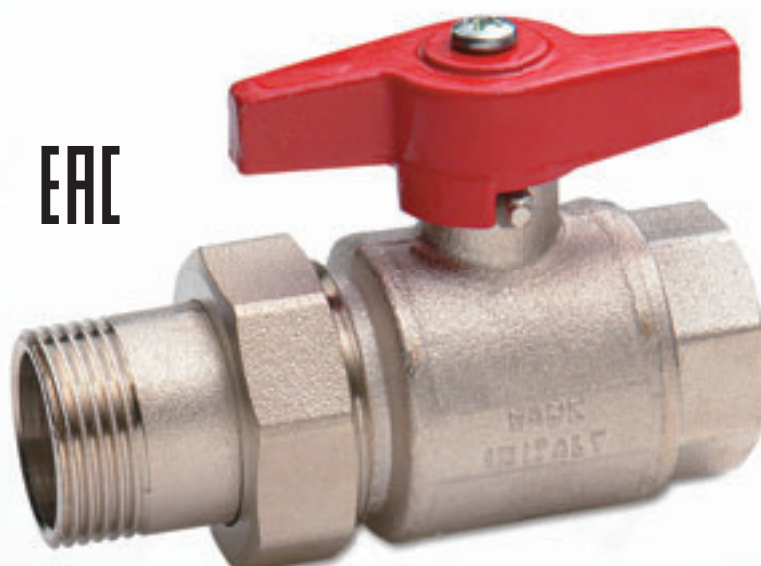
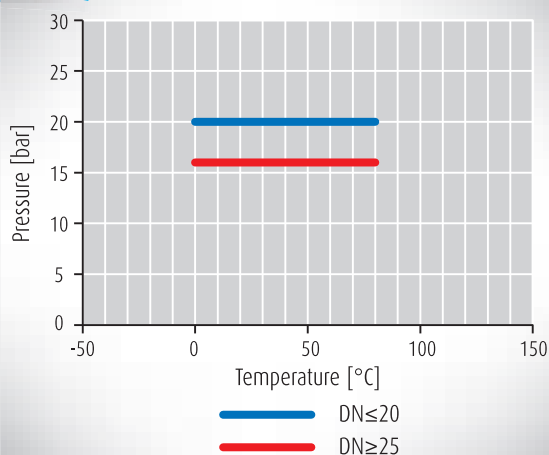
Nickel plated full bore brass ball valve with union
Threaded F/M (ISO 228/1)
Chromium plated ball, PTFE seats
Blow-out proof stem, adjustable PTFE packing
Union O-ring in NBR
TR CU 010 compliant

PN20 for $DN \leq 20$, PN16 for $DN \geq 25$
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +80°C
- ◆ Not suitable for: gases group 1 & 2 and liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F3280A015.133	015 - 1/2"	20	188	3,8
F3280A020.133	020 - 3/4"	10	350	3,5
F3280A025.133	025 - 1"	10	570	5,7
F3280A032.133	032 - 1 1/4"	6	800	4,8



340 SOLAR

FULL BORE BRASS BALL VALVE FOR HIGH TEMPERATURES

Full bore brass ball valve
Threaded F/F (ISO 228/1)
Design according to MSS-SP110
Air testing according to EN12266-1
Chromium plated ball, seats and packing specific for high temperatures
(Seats in PTFE+graphite, packing in Grafoil)
Blow-out proof stem, adjustable packing
With handle or butterfly (up to DN≤50)
TR CU 010 compliant

PN25 (Max 25bar up to 100°C (75°C for DN50), max 10bar at 180°C)
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

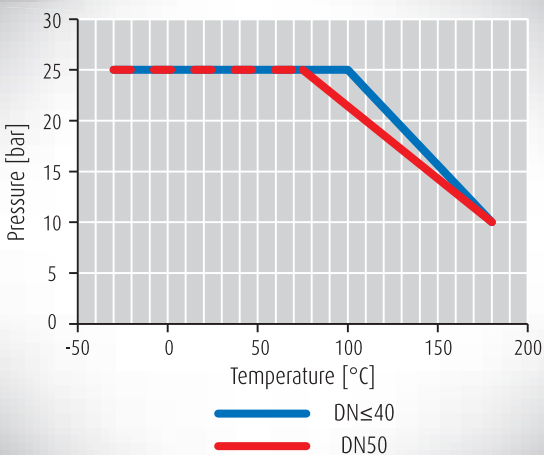
- ◆ Suitable for: water, -30°C to +180°C
below 0°C only for water with added antifreeze fluids
over 100°C only for water with added anti-boiling fluids
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/EU)

Lever handle version

Code	DN	pcs./box	Wgt (g)	Box (kg)
F340H0010.1937	010 - 3/8"	125	120	15,0
F340H0015.1937	015 - 1/2"	90	220	19,8
F340H0020.1937	020 - 3/4"	60	305	18,3
F340H0025.1937	025 - 1"	35	520	18,2
F340H0032.1937	032 - 1 1/4"	25	815	20,4
F340H0040.1937	040 - 1 1/2"	16	1210	19,4
F340H0050.1937	050 - 2"	8	1805	14,4

Butterfly handle version

Code	DN	pcs./box	Wgt (g)	Box(kg)
F340H0010.1938	010 - 3/8"	125	100	12,5
F340H0015.1938	015 - 1/2"	90	195	17,6
F340H0020.1938	020 - 3/4"	60	280	16,8
F340H0025.1938	025 - 1"	35	470	16,5





ERC

340T

FULL BORE LOW LEAD BRASS BALL VALVE

Full bore 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

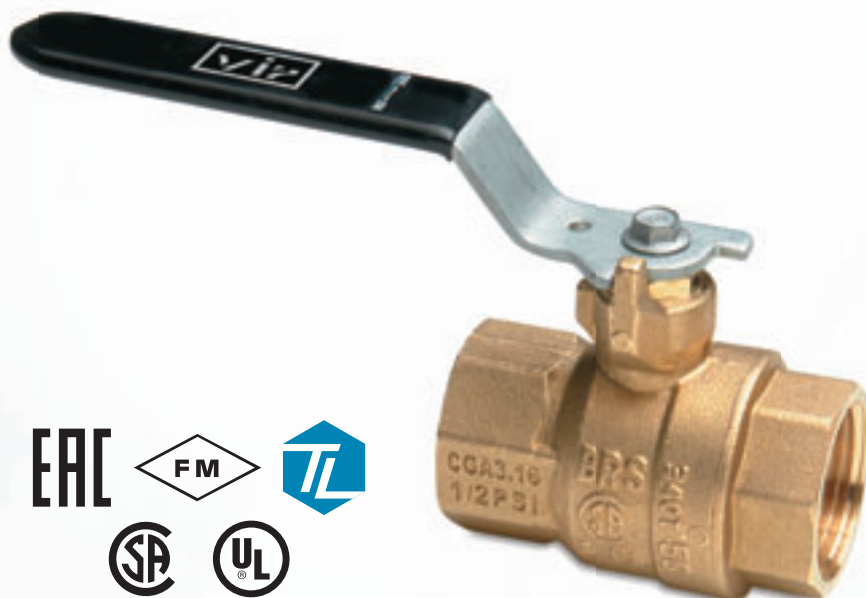
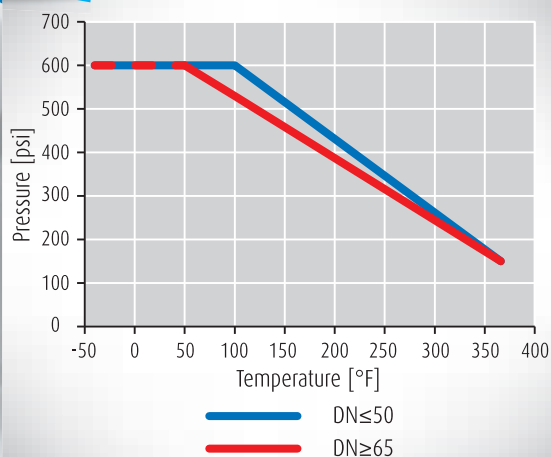
600WOG, 150WSP
(Max 600psi up to 100°F (50°F for DN≥65), max 150psi at 366°F)
Max 125psi for CSA, Max 600psi (Max 500psi for DN≥32) for UL
Valve specific to American market (Dir. 2014/68/UE not applicable)

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 SERIES

FULL BORE BRASS BALL VALVE WITH SEALABLE SQUARE TOP

Full bore brass ball valve

Available in the following versions:

- ◆ Fig. 340GS, threaded F/F (ISO 228/1)
- ◆ Fig. 343GS, threaded M/F (ISO 228/1)

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)

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

Working conditions

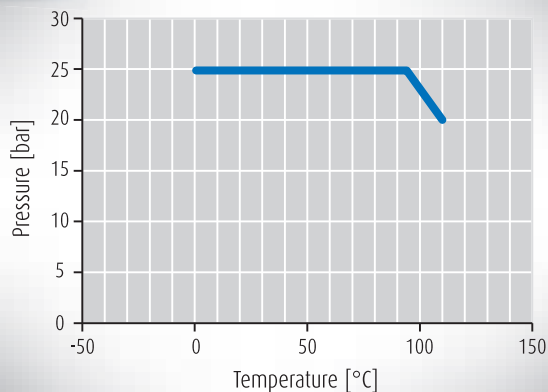
- ◆ Suitable for: water, 0°C to +110°C
- ◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/UE)

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



ERC

FULL BORE BRONZE BALL VALVE

Full bore 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

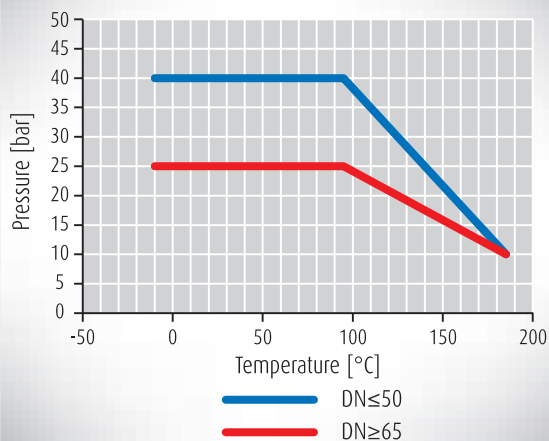
PN40 for DN≤50 (Max 40bar up to 95°C, max 10bar at 185°C)
PN25 for DN≥65 (Max 25bar up to 95°C, max 10bar at 185°C)
Free of CE marking for DN≤32 (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +185°C
- ◆ Suitable for: air, -10°C to +185°C
- ◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/UE)

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

380 SOLAR

FULL BORE BRONZE BALL VALVE

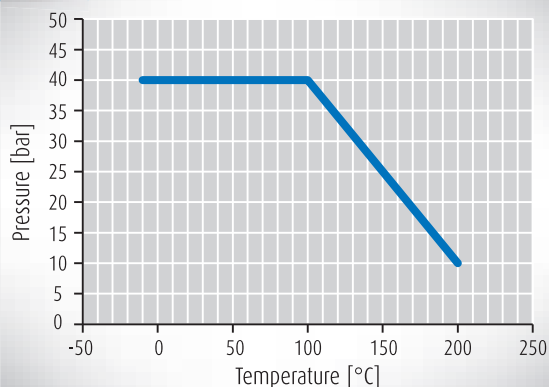
Full bore bronze ball valve
Threaded F/F (ISO 228/1)
(available on request with ASME B1.20.1 NPT threads)
Design according to MSS-SP110
Air testing according to EN12266-1
Stainless steel ball and stem
Seats and packing specific for high temperatures
(Seats in PTFE+graphite, packing in Grafoil)
Blow-out proof stem, adjustable packing
CE and TR CU 010 compliant

PN40 (Max 40bar up to 100°C, max 10bar at 200°C)
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, -30°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
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F380HI015.2141	015 - 1/2"	50	259	13,0
F380HI020.2141	020 - 3/4"	50	364	18,2
F380HI025.2141	025 - 1"	25	597	14,9
F380HI032.2141	032 - 1 1/4"	20	926	18,5
F380HI040.2141	040 - 1 1/2"	12	1414	17,0
F380HI050.2141	050 - 2"	8	2102	16,8





EAC CE

DUCTILE IRON BALL VALVE

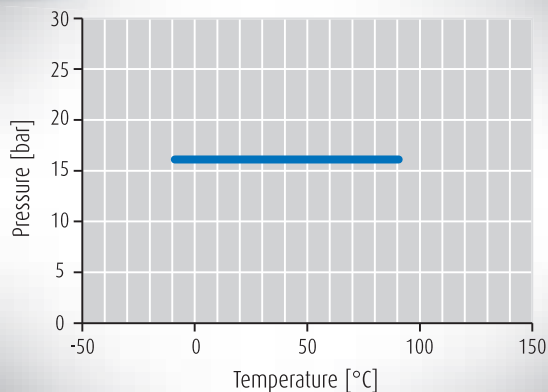
Ductile iron GGG40 ball valve
 Flanged PN16 according to EN1092-2 (ex DIN2533)
 Testing according to EN12266-1
 Lengths according to EN558-1 series 14 (ex DIN3202 F4)
 (EN558-1 series 15, ex DIN3202 F5, for DN200)
 Chromium plated ball, PTFE seats
 NBR stem and body O-rings
 Version with locking device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

PN16
 Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +90°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F3900I025.868	025 - 1"	1	4400	4,4
F3900I032.868	032 - 1 1/4"	1	4400	4,4
F3900I040.868	040 - 1 1/2"	1	5500	5,5
F3900I050.868	050 - 2"	1	8500	8,5
F3900I065.868	065 - 2 1/2"	1	11500	11,5
F3900I080.868	080 - 3"	1	15500	15,5
F3900I100.868	100 - 4"	1	20000	20,0
F3900I125.868	125 - 5"	1	30000	30,0
F3900I150.868	150 - 6"	1	36000	36,0
F3900I200.868	200 - 8"	1	93000	93,0



EAC

39BV0

FULL BORE STAINLESS STEEL BALL VALVE

Full bore 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

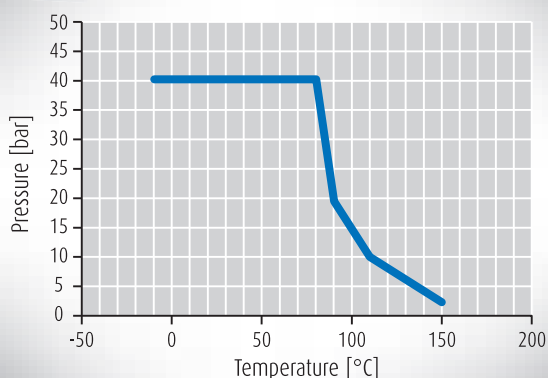
PN40 (Max 40bar up to 80°C, then according to rating table)

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

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
- ◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/UE)

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



EAC

FULL BORE BRONZE BALL VALVE

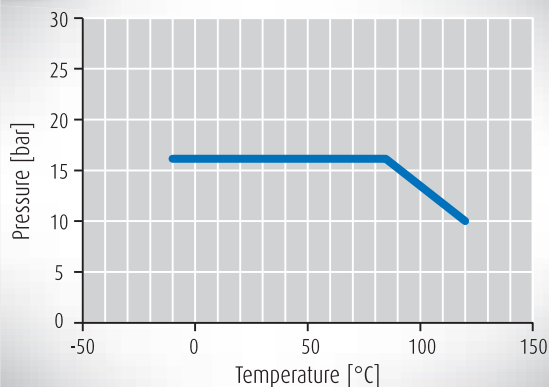
Full bore bronze ball valve
 Press-fit/Press-fit (European copper or steel tubing)
 Design according to MSS-SP110
 Air testing according to EN12266-1
 Chromium plated ball, PTFE seats
 Blow-out proof stem, adjustable PTFE packing
 Press-fit connection with EPDM O-rings
 With handle or butterfly
 ACS and TRC CU 010 compliant

PN16 (Max 16bar up to 85°C, max 10bar at 120°C)
 Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +120°C
- ◆ Suitable for: air, -10°C to +120°C
- ◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F68P00012.1472	012	80	146	11,7
F68P00015.1472	015	50	240	12,0
F68P00018.1472	018	50	271	13,6
F68P00022.1472	022	40	365	14,6
F68P00028.1472	028	30	590	17,7
F68P00035.1472	035	20	896	17,9
F68P00042.1472	042	10	1389	13,9
F68P00054.1472	054	6	2079	12,5



EAC

ACS



5020LN

FULL BORE LONG NECK BRONZE BALL VALVE

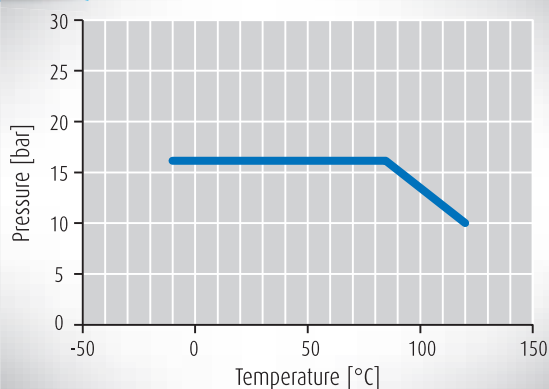
Full bore "long neck" bronze ball valve
 Press-fit/Press-fit (European copper or steel tubing)
 Design according to MSS-SP110
 Air testing according to EN12266-1
 Chromium plated ball, PTFE seats
 Adjustable PTFE packing
 Press-fit connection with EPDM O-rings
 With handle or butterfly
 TRC CU 010 compliant

PN16 (Max 16bar up to 85°C, max 10bar at 120°C)
 Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +120°C
- ◆ Suitable for: air, -10°C to +120°C
- ◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F68P00012.1472	012	80	277	22,2
F68P00015.1472	015	50	343	17,2
F68P00018.1472	018	50	361	18,1
F68P00022.1472	022	40	473	18,9
F68P00028.1472	028	30	735	22,1
F68P00035.1472	035	20	1057	21,1
F68P00042.1472	042	10	1870	18,7
F68P00054.1472	054	6	2834	17,0



EAC

5021, 5024, 5028

FULL BORE BRONZE VALVE

Full bore bronze ball valve

Available in the following versions:

- ◆ Fig. 5021, Press-fit/Threaded M
- ◆ Fig. 5024, Press-fit/Threaded F
- ◆ Fig. 5028, Press-fit/Threaded F with tail piece

(European copper or steel tubing / 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

Press-fit connection with EPDM O-rings

With handle or butterfly

TR CU 010 compliant

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

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

Working conditions

- ◆ Suitable for: water, 0°C to +120°C
- ◆ Suitable for: air, -10°C to +120°C
- ◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/UE)

Fig. 5021

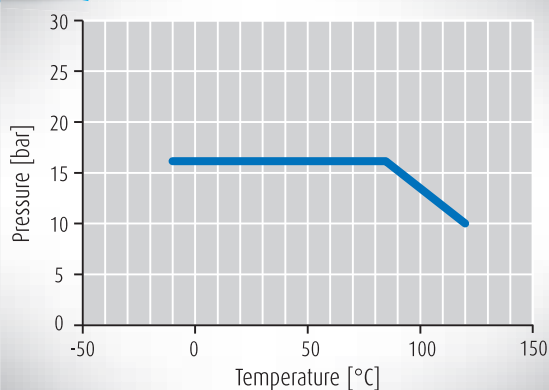
Code	DN	pcs./box	Wgt (g)	Box (kg)
F688P0015.1472	015-1/2"	50	250	12,5
F688P0018.1472	018-1/2"	50	260	13,0
F688P0022.1472	022-3/4"	40	370	14,8
F688P0028.1472	028-1"	30	580	17,4
F688P0035.1472	035-1 1/4"	20	900	18,0
F688P0032.1472	042-1 1/2"	10	1570	15,7
F688P0054.1472	054-2"	6	2490	14,9

Fig. 5024

Code	DN	pcs./box	Wgt (g)	Box (kg)
F683P0015.2030	015-1/2"	50	245	12,3
F683P0018.2030	018-1/2"	50	266	13,3
F683P0022.2030	022-3/4"	40	359	14,4
F683P0028.2030	028-1"	30	593	17,8
F683P0035.2030	035-1 1/4"	20	926	18,5
F683P0042.2030	042-1 1/2"	10	1587	15,9
F683P0054.2030	054-2"	6	2484	14,9

Fig. 5028

Code	DN	pcs./box	Wgt (g)	Box (kg)
F687P0015.1472	015-3/4"	50	322	16,1
F687P0018.1472	018-3/4"	50	332	16,6
F687P0022.1472	022-3/4"	50	428	21,4



EAC

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

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

Working conditions

◆ Suitable for: water, 5°C to +90°C

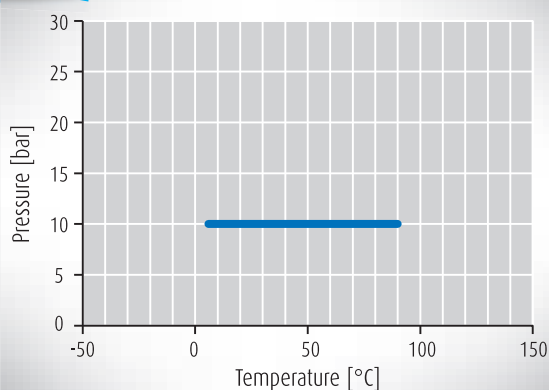
◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

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 BORE 3-WAY BRASS BALL VALVE

Reduced bore 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)

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

Working conditions

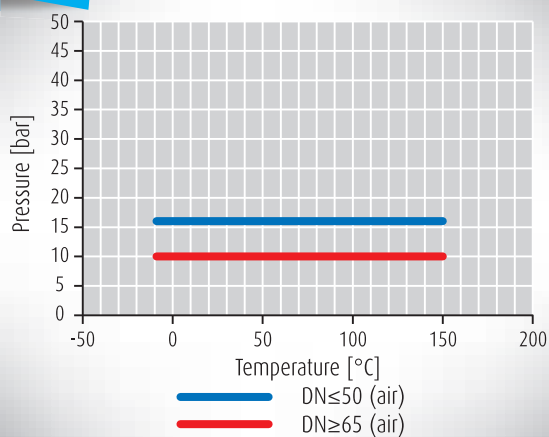
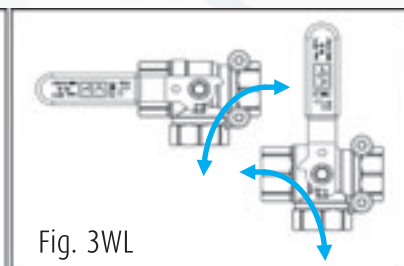
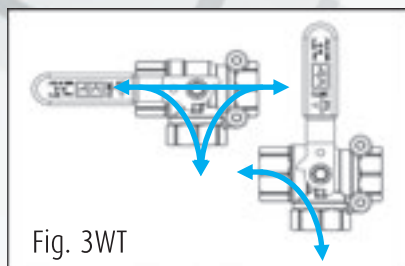
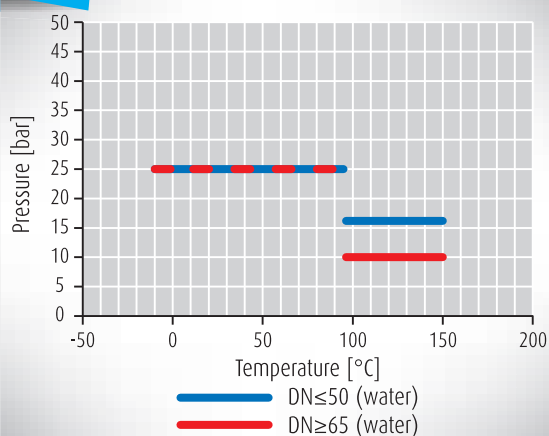
- ◆ Suitable for: water, 0°C to +150°C
- ◆ Suitable for: air, -10°C to +150°C
- ◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/EU)

Fig.3WT

Code	DN	pcs./box	Wgt (g)	Box (kg)
F3TT00010.847	010 - 3/8"	50	160	8,0
F3TT00015.847	015 - 1/2"	50	207	10,4
F3TT00020.847	020 - 3/4"	25	388	9,7
F3TT00025.847	025 - 1"	25	586	14,7
F3TT00032.847	032 - 1 1/4"	15	853	12,8
F3TT00040.847	040 - 1 1/2"	10	1264	12,6
F3TT00050.847	050 - 2"	6	2087	12,5
F3TT00065.847	065 - 2 1/2"	3	3715	11,1
F3TT00080.847	080 - 3"	2	5764	11,5

Fig.3WT

Code	DN	pcs./box	Wgt (g)	Box (kg)
F3TT00010.847	010 - 3/8"	50	160	8,0
F3TT00015.847	015 - 1/2"	50	207	10,4
F3TT00020.847	020 - 3/4"	25	388	9,7
F3TT00025.847	025 - 1"	25	586	14,7
F3TT00032.847	032 - 1 1/4"	15	853	12,8
F3TT00040.847	040 - 1 1/2"	10	1264	12,6
F3TT00050.847	050 - 2"	6	2087	12,5
F3TT00065.847	065 - 2 1/2"	3	3715	11,1
F3TT00080.847	080 - 3"	2	5764	11,5



90BY

VALVE FOR HVAC TERMINAL UNITS MOUNTING

Valve for HVAC terminal units mounting (fan coils, heat exchangers and so on)
Threaded F/F/F (ISO 228/1) union ends

Version with only two union ends also available

Olive and nut mounting kit for European copper tubing (EN1057) on request:

◆ DN15, kit for 15mm pipe

◆ DN20, kit for 22mm pipe

Other connections (CxC, threaded M, ISO 7/1 Rp) or combinations on request

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)

PN16 with O/N kit (Max 16bar up to 30°C, max 5bar at 120°C)

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

Working conditions

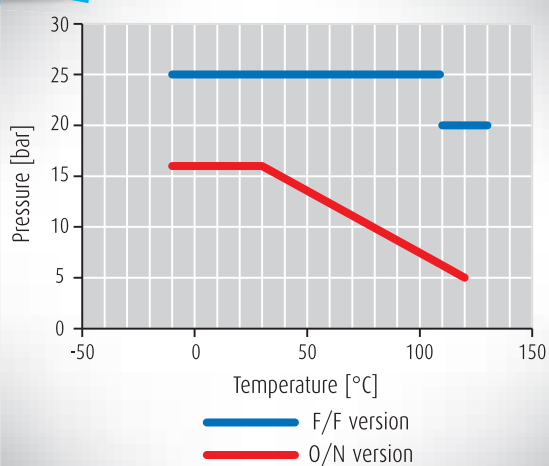
◆ Suitable for: water, -10°C to +130°C (120°C with O/N kit)

below 0°C only for water with added antifreeze fluids

over 100°C only for water with added anti-boiling fluids

◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F90BY0015.2256	015 ₀₄₀ - 1/2" ₀₄₀	1	1050	1,1
F90BY0020.2256	020 ₀₈₀ - 3/4" ₀₈₀	1	1950	2,0



310N

BRASS BALL BIB COCK

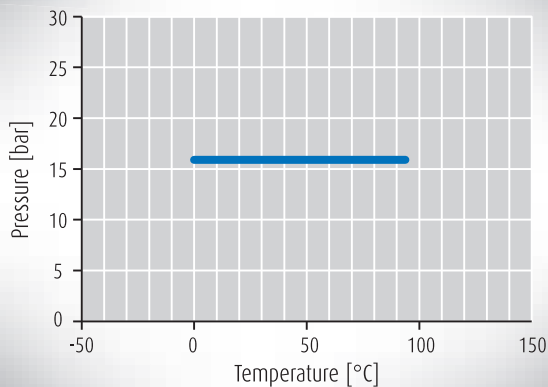
Nickel plated brass ball bib cock
Threaded M (ISO 228/1) with hose union
Air testing according to EN12266-1
Chromium plated ball, PTFE seats
Blow-out proof stem, NBR stem O-rings
With handle or butterfly
DN15 and DN20 also available with check cartridge (Fig. 310NR)
TR CU 010 compliant, optional ACS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

PN16
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +90°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

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



EAC 

BOILER DRAIN VALVE

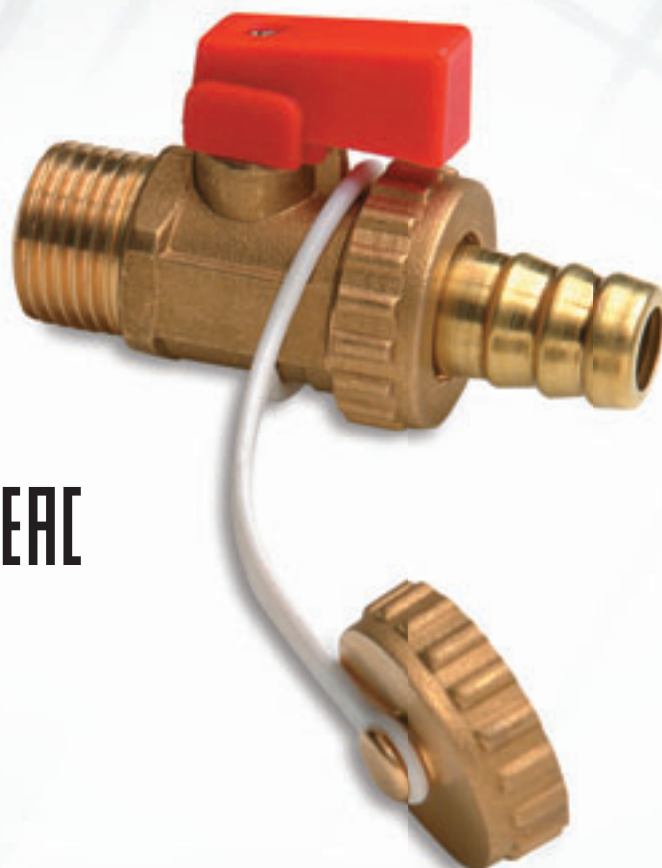
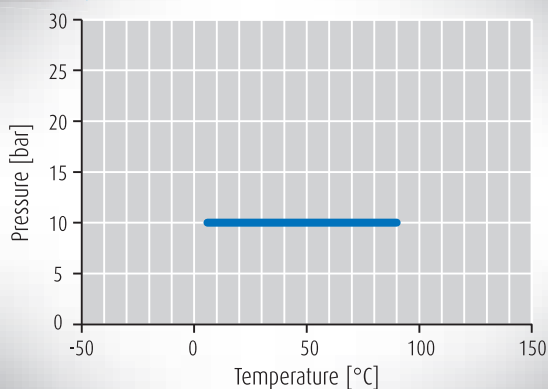
One piece body boiler drain valve
Chromium plated ball, PTFE seats
Blow-out proof stem, EPDM stem O-rings
NBR/SBR gaskets on drain
TR CU 010 compliant

PN10
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 5°C to +90°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F3220A010.1579	010 - 3/8"	100	125	12,5
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. 340T, 340G, 343G, 5020, 5021, 5024, 5028, 380 and 380I



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, 343, 348, 342 and 340 Solar



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 99:
Device allowing padlocking
for Fig. 340G and 343G



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, 343, 348, 342 and 340 Solar



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 99 kit for
Fig. 340, 343, 348, 342 and 340 Solar



Code	DN	pcs./box	Wgt (g)	Box (kg)
K300NK008.656	DN08/DN10	100	59	5,9
K300NK015.656	DN15/DN20	100	90	9,0
K300NK025.656	DN25/DN32	100	150	15,0
K300NK040.656	DN40/DN50	50	290	14,5
K300NK065.656	DN65/DN100	6	665	4,0

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



For Fig. 340, 343, 348, 342 and 340 Solar

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. 330, 333 and 338

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

BALL VALVES FOR ACTUATORS



TWO WAY BRASS BALL VALVE WITH CONNECTION FOR ACTUATOR

Two way brass ball valve with connection for actuator
Threaded F/M with union ends (ISO228/1) up to DN≤32
Threaded F/F (ISO228/1) for DN40 and DN50
Actuator connection according to ISO 5211 (F03/F05)
Air testing according to EN12266-1
Chromium plated ball, Seats in PTFE with EPDM O-rings
Blow-out proof stem, EPDM stem O-rings
TR CU 010 compliant

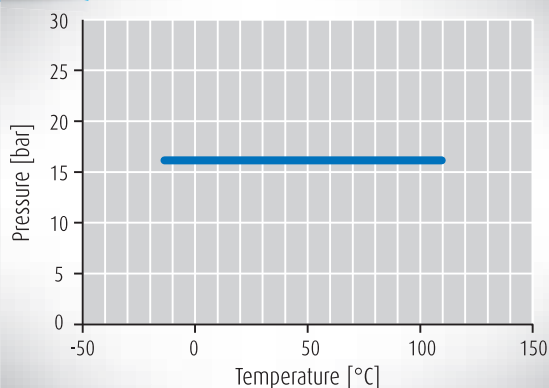
Shell rating: PN40

Working conditions: Max 16Bar, Max differential pressure 3,5bar
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions:

- ◆ Suitable for: water, -15°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
(Glycolic-Ethylene and glycolic-propylene mix. >20% and ≤50% may be used)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F325I0015.829	015 - 1/2"	18	384	6,9
F325I0020.829	020 - 3/4"	18	536	9,6
F325I0025.829	025 - 1"	8	804	6,4
F325I0032.829	032 - 1 1/4"	8	1202	9,6
F325I0040.828	040 - 1 1/2"	4	1297	5,2
F325I0050.828	050 - 2"	4	2098	8,4



32T SERIES

THREE WAY BRASS BALL VALVE WITH CONNECTION FOR ACTUATOR

Three way brass ball valve with connection for actuator
Threaded M/M/M for union ends (ISO228/1) up to DN≤32
(male threaded union ends kit according ISO 228/1 on request)
Threaded F/F/F (ISO228/1) for DN40 and DN50
Actuator connection according to ISO 5211 (F03/F05)
Air testing according to EN12266-1
Chromium plated ball, Seats in PTFE with EPDM O-rings
Blow-out proof stem, EPDM stem O-rings
Available in the following versions:
◆ 32TT, diverting valve with one input and two outputs
◆ 32TG, mixing valve with two inputs and one output
(also usable as distributing valve)
TR CU 010 compliant

Shell rating: PN40

Working conditions: Max 16Bar, Max differential pressure 3,5bar
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions:

- ◆ Suitable for: water, -15°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
(Glycolic-Ethylene and glycolic-propylene mix. >20% and ≤50% may be used)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Fig. 32TT

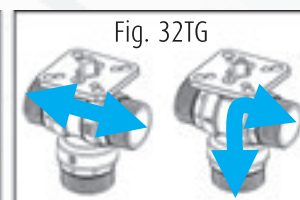
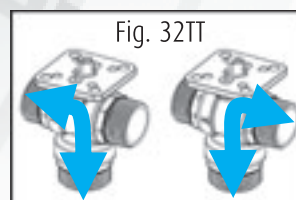
Code	DN	pcs./box	Wgt (g)	Box (kg)
F32TTI020.831	020 - 3/4"	8	570	4,6
F32TTI025.831	025 - 1"	8	862	6,9
F32TTI032.831	032 - 1 1/4"	8	1312	10,5
F32TTI040.911	040 - 1 1/2"	4	1834	7,3
F32TTI050.911	050 - 2"	4	3099	12,4

Fig. 32TG

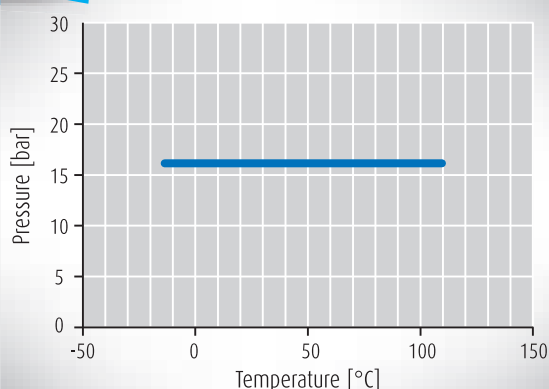
Code	DN	pcs./box	Wgt (g)	Box (kg)
F32TGI020.831	020 - 3/4"	8	550	4,4
F32TGI025.831	025 - 1"	8	819	6,6
F32TGI032.831	032 - 1 1/4"	8	1236	9,9
F32TGI040.911	040 - 1 1/2"	4	1758	7,0
F32TGI050.911	050 - 2"	4	2892	11,6

Union and nuts kit

Code	DN	pcs./box	Wgt (g)	Box (kg)
KBC34B020.744	020 - 3/4"	1	324	0,3
KBC34B025.744	025 - 1"	1	549	0,5
KBC34B032.744	032 - 1 1/4"	1	705	0,7



EAC



39BVF

FULL BORE STAINLESS STEEL BALL VALVE WITH CONNECTION FOR ACTUATOR

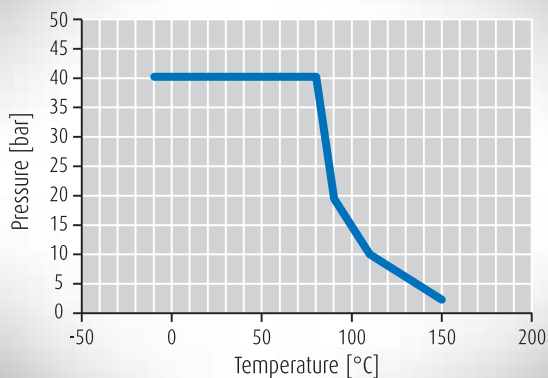
Full bore stainless steel 316 ball valve with connection for actuator
Threaded F/F (ISO 228/1)
Actuator connection according to ISO 5211
(F03, F05 or F07 depending on sizes)
Stainless steel ball, PTFE seats
Blow-out proof stainless steel stem, PTFE packing
TR CU 010 compliant

PN40 (Max 40bar up to 80°C, then according to rating table)
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

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
- ◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/EU)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F39BVF008.1677	008 - 1/4"	1	300	0,3
F39BVF010.1677	010 - 3/8"	1	300	0,3
F39BVF015.1677	015 - 1/2"	1	400	0,4
F39BVF020.1677	020 - 3/4"	1	600	0,6
F39BVF025.1677	025 - 1"	1	900	0,9
F39BVF032.1677	032 - 1 1/4"	1	1400	1,4
F39BVF040.1677	040 - 1 1/2"	1	2200	2,2
F39BVF050.1677	050 - 2"	1	3500	3,5
F39BVF065.1677	065 - 2 1/2"	1	6900	6,9
F39BVF080.1677	080 - 3"	1	10900	10,9



EAC



SLOOP II

ELECTRIC ACTUATOR

Electric actuator with ISO 5211 connection
Double insulated cover according CEI/EN 60335-1
Max torque 15Nm, working torque 8Nm
Travel 90° in 60 seconds
Manual override, integral heater
F05 connection, stem connection □9mm or □11mm
With 80cm electric wire
Enclosure protection IP65
CE compliant

Power supply 50Hz/60Hz, versions for 230VAC or 24VAC available
2 points (ON/OFF) or 3 points control
Available in the following versions:
◆ With auxiliary dry open limit switch (Max 230VC / 6A)
◆ With open and close limit switches connected to power supply
Working temperature: -10° to +55°C



CE

230VAC, 2 points control

Code	Torque	pcs./box	Wgt (g)	Box (kg)	Fig. 325	Fig. 32TT/32TG
KASLOOP24.800	15Nm, 1 aux. sw.	5	600	3,0	DN15/DN50	DN20/DN50
KASLOOP32.800	15Nm, 2 phase sw.	5	600	3,0	DN15/DN50	DN20/DN50

230VAC, 3 points control

Code	Torque	pcs./box	Wgt (g)	Box (kg)	Fig. 325	Fig. 32TT/32TG
KASLOOP28.800	15Nm, 2 phase sw.	5	600	3,0	DN15/DN50	DN20/DN50

24VAC, 2 points control

Code	Torque	pcs./box	Wgt (g)	Box (kg)	Fig. 325	Fig. 32TT/32TG
KASLOOP22.800	15Nm, 1 aux. sw.	5	600	3,0	DN15/DN50	DN20/DN50
KASLOOP33.800	15Nm, 2 phase sw.	5	600	3,0	DN15/DN50	DN20/DN50

24VAC, 3 points control

Code	Torque	pcs./box	Wgt (g)	Box (kg)	Fig. 325	Fig. 32TT/32TG
KASLOOP25.800	15Nm	5	600	3,0	DN15/DN50	DN20/DN50



CUTTER

ELECTRIC ACTUATOR

Electric actuator with ISO 5211 connection
Torque range between 20Nm and 300Nm
Manual override
Travel 90°, travel time between 12 and 119 seconds
Electric connections:
◆ ISO M20 + DIN 43650 3P+T for ER series
◆ 2 x ISO M20 for VS series
Enclosure protection IP66 (IP67 for 150Nm and 300Nm models)
CE compliant

Available in two standard versions:
◆ 100/240 VAC + 100/350 VDC
◆ 15/30 VAC + 12/48 VDC
Suitable for 50Hz or 60Hz power supply
2 or 3 points control
2 adjustable open/close 5A limit switches, torque limiter
Working temperature: -10° to +55°C (-20°C to 70°C for IP67 models)



100/240 VAC + 100/350 VDC version

Code	Torque	pcs./box	Wgt (g)	Box (kg)	Fig. 325	Fig. 32TT/32TG	Fig. 39BFV
KACUTTR03.800	20Nm	1	1500	1,5	DN15/DN50	DN20/DN50	DN08/DN32
KACUTTR04.800	35Nm	1	3000	3,0	-	-	DN40/DN50
KACUTTR12.800	100Nm	1	3000	3,0	-	-	DN65/DN80

15/30 VAC + 12/48 VDC version

Code	Torque	pcs./box	Wgt (g)	Box (kg)	Fig. 325	Fig. 32TT/32TG	Fig. 39BFV
KACUTTR00.800	20Nm	1	1500	1,5	DN15/DN50	DN20/DN50	DN08/DN32
KACUTTR05.800	35Nm	1	3000	3,0	-	-	DN40/DN50
KACUTTR07.800	100Nm	1	3000	3,0	-	-	DN65/DN80



HOVERCRAFT

PNEUMATIC ACTUATOR

Pneumatic actuator with ISO 5211 connection
Anodized aluminum body, nickel plated steel pinion
Flange, end caps and pistons in die cast aluminum
Steel coated springs with technopolymer cartridge

Torque range (at 6bar air supply):

◆ Up to 3800Nm for double effect versions

◆ Up to 1400Nm for spring return versions

Allow opening/closing $\pm 10^\circ$ travel regulation

NAMUR VDI/VDE 3845 upper connection for accessories

NAMUR VDI/VDE 3845 connection for solenoid valve

ISO228/1 1/4" connection to supply manoeuvring fluid

Allowable supply fluid pressures from 1bar to 10bar

Working conditions: -20°C to +80°C.



CE

Double acting model

Code	Torque	pcs./box	Wgt (g)	Box (kg)	Fig. 325	Fig. 32TT/32TG	Fig. 39BFV
KAHOVER15.801	33Nm	1	1830	1,8	DN15/DN50	DN20/DN50	DN08/DN50
KAHOVER18.801	91Nm	1	4000	4,0	-	-	DN65-DN80



Spring return model

Code	Torque	pcs./box	Wgt (g)	Box (kg)	Fig. 325	Fig. 32TT/32TG	Fig. 39BFV
KAHOVER29.801	17Nm	1	2590	2,6	DN15/DN50	DN20/DN50	DN08/DN32
KAHOVER31.801	35Nm	1	4520	4,5	-	-	DN40/DN50
KAHOVER34.801	99Nm	1	10710	10,7	-	-	DN65-DN80



CE

Convertible monostable solenoid valve IP65
KA0080ZB2.801 for 24VAC version
KA0010ZB2.801 for 230VAC version

CE

Technopolymer limit switch box IP65
KA0F00A2.801

4-20mA Positioner IP66
KAPEY0100.2553

325-ENO

TWO WAY BRASS BALL VALVE FOR OENOLOGY

Two way nickel plated brass ball valve with connection for actuator
Threaded M/M with union ends (ISO228/1)
Actuator connection according to ISO 5211 (F03/F05)
Air testing according to EN12266-1
Chromium plated ball, Seats in PTFE with EPDM O-rings
Blow-out proof stem, EPDM stem O-rings

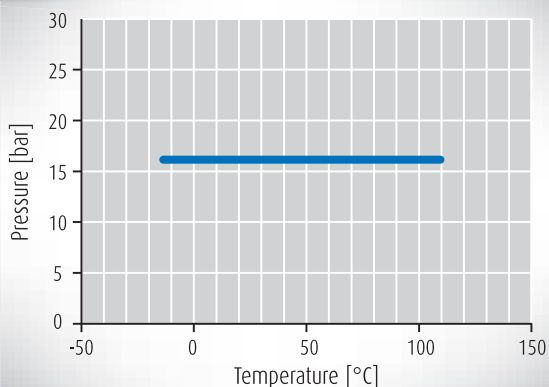
Shell rating: PN40

Working conditions: Max 16Bar, Max differential pressure 3,5bar
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions:

- ◆ Suitable for: water, -15°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
(Glycolic-Ethylene and glycolic-propylene mix. >20% and ≤50% may be used)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F325I0015.2565	015 - 1/2"	18	468	8,4
F325I0020.2565	020 - 3/4"	18	670	12,1
F325I0025.2565	025 - 1"	8	924	7,4
F325I0032.2565	032 - 1 1/4"	8	1467	11,7



Optional Cutter-ENO Actuator

Electric actuator with ISO 5211 connection
Max torque 11Nm
Travel 90° in 50 seconds
Manual override, integral heater
F05 connection, stem connection □9mm
With ISO M20 electric connection
Enclosure protection IP67
CE compliant

Power supply 50Hz 24VAC, power 5W
2 points (ON/OFF) and 3 points control
With auxiliary open and close limit switches
Working temperature: -10° to +45°C

Code	Torque	pcs./box	Wgt (g)	Box (kg)
KACUTEN00.800	11Nm	1	1160	1,2

Stainless steel stem extension kit available (KPR3MV015.2634)



BUTTERFLY VALVES



4020L, 4020G

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)
Nikel 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

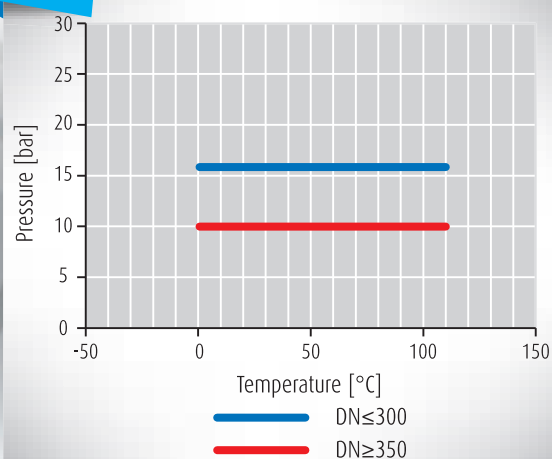
- ◆ Suitable for: water, 0°C to +110°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

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

4025L, 4025G

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

Ductile iron Wafer butterfly valve

For EN1092 PN16 flanges (also PN10 for $DN \leq 150$)

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 $DN \geq 350$)

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

Working conditions

◆ Suitable for: water, 0°C to +110°C

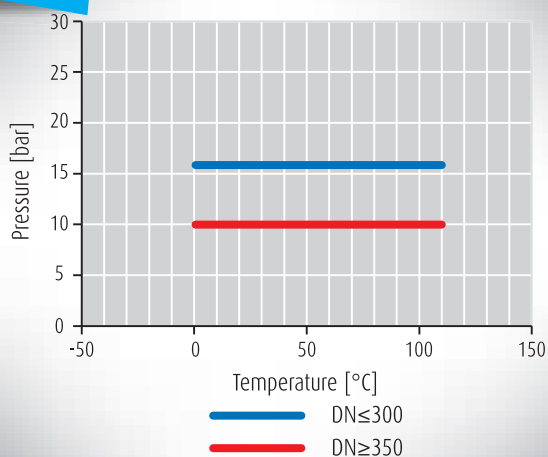
◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

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



EAC

4029L, 4029G

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

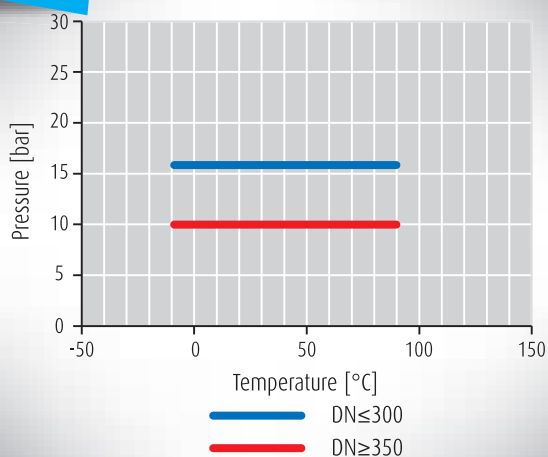
- ◆ Suitable for: water, -10°C to +90°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

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



EAC

4320L, 4320G

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)

Nikel 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, 0°C to +110°C

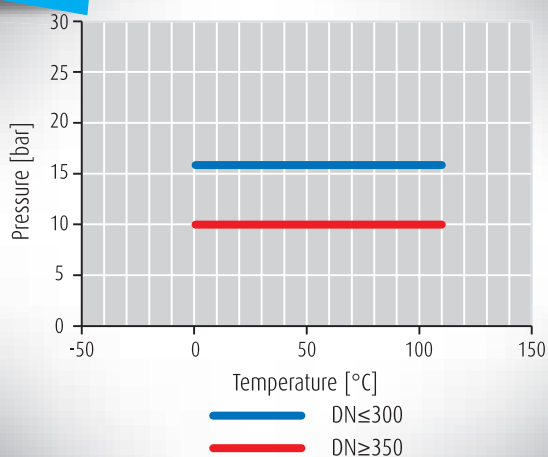
◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

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

4325L, 4325G

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

Ductile iron Lug butterfly valve

For EN1092 PN16 flanges (also PN10 for $DN \leq 150$)

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 $DN \geq 350$)

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

Working conditions

◆ Suitable for: water, 0°C to +110°C

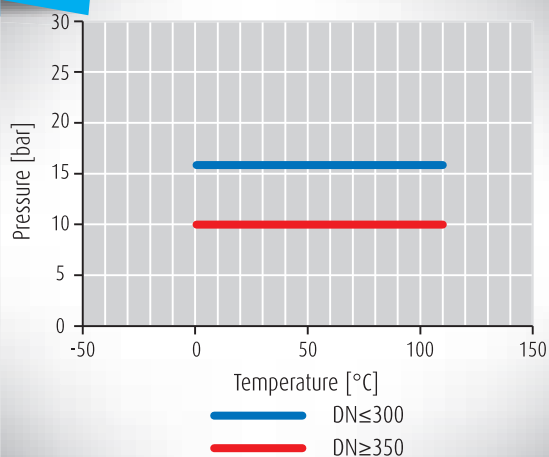
◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

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



EAC

4820L

DUCTILE IRON GROOVED BUTTERFLY VALVE

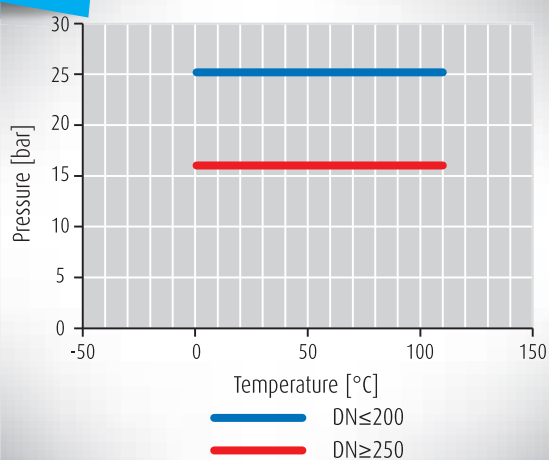
Ductile iron grooved butterfly valve
Grooved ends (ANSI/AWWA C606 table 4)
Lengths according to MSS SP-67 (for $DN \geq 80$)
Testing according to EN12266-1
EPDM plated ductile iron disc
EPDM seat, EPDM stem O-rings, PTFE bushing
TR CU 010 compliant

PN25 (PN16 for $DN \geq 250$)
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to $+110^{\circ}\text{C}$
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/EU)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F482BL050.1944	60,3	1	3400	3,4
F482BL065.1944	76,1	1	4300	4,3
F482BL080.1944	88,9	1	4800	4,8
F482BL100.1944	114,3	1	7000	7,0
F482BL125.1944	139,7	1	8500	8,5
F482BL150.1944	168,3	1	11500	11,5
F482BL200.1944	219,1	1	15600	15,6
F482BL250.1944	273	1	29000	29,0
F482BL300.1944	323,9	1	36000	36,0



EAC

CUTTER

ELECTRIC ACTUATOR

Electric actuator with ISO 5211 connection
Torque range between 20Nm and 300Nm
Manual override
Travel 90°, travel time between 12 and 119 seconds
Electric connections:
◆ ISO M20 + DIN 43650 3P+T for ER series
◆ 2 x ISO M20 for VS series
Enclosure protection IP66 (IP67 for 150Nm and 300Nm models)
CE compliant

Available in two standard versions:
◆ 100/240 VAC + 100/350 VDC
◆ 15/30 VAC + 12/48 VDC
Suitable for 50Hz or 60Hz power supply
2 or 3 points control
2 adjustable open/close 5A limit switches, torque limiter
Working temperature: -10° to +55°C (-20°C to 70°C for IP67 models)



100/240 VAC + 100/350 VDC version

Code	Torque	pcs./box	Wgt (g)	Box (kg)	Fig. 4020-4025-4029	Fig. 4320-4325
KACUTTR03.800	20Nm	1	1500	1,5	DN32/DN50	DN32/DN50
KACUTTR04.800	35Nm	1	3000	3,0	DN65/DN80	DN65/DN80
KACUTTR02.800	60Nm	1	3000	3,0	DN100	DN100
KACUTTR12.800	100Nm	1	300	3,0	DN125	DN125
KACUTTR08.800	150Nm	1	5600	5,6	DN150	DN150
KACUTTR09.800	300Nm	1	5600	5,6	DN200	DN200

100/240 VAC + 100/350 VDC version

Code	Torque	pcs./box	Wgt (g)	Box (kg)	Fig. 4020-4025-4029	Fig. 4320-4325
KACUTTR00.800	20Nm	1	1500	1,5	DN32/DN50	DN32/DN50
KACUTTR05.800	35Nm	1	3000	3,0	DN65/DN80	DN65/DN80
KACUTTR06.800	60Nm	1	3000	3,0	DN100	DN100
KACUTTR07.800	100Nm	1	300	3,0	DN125	DN125
KACUTTR10.800	150Nm	1	5600	5,6	DN150	DN150
KACUTTR11.800	300Nm	1	5600	5,6	DN200	DN200

CUTTER XL

ELECTRIC ACTUATOR

Electric actuator with ISO 5211 connection
Torque range between 600Nm and 4000Nm
Manual override
Travel 90°, travel time between 30 and 125 seconds
Electric connections: 2 x ISO M20
Service S2-25%
Enclosure protection IP67
CE compliant

Available in two standard versions:

◆ 230VAC, 50Hz

◆ 400VAC 3-ph, 50Hz

Versions for power supply 60Hz on request

With 2 open and 2 close auxiliary limit switches, 250VAC-16A

1 opening and 1 closing torque limit switch

Torque limiter

Working temperature: -20° to +60°C



CE



230VAC version

Code	Torque	pcs./box	Wgt (g)	Box (kg)	Fig. 4020-4025-4029	Fig. 4320-4325
KACUTXL00.800	600Nm	1	20000	20,0	DN250	DN250
KACUTXL01.800	1000Nm, F12	1	47000	47,0	DN300/DN350	DN300/DN350
KACUTXL01.800	1000Nm, F16	1	47000	47,0	DN400	DN400
KACUTXL02.800	2500Nm	1	64000	64,0	DN450/DN500	DN450/DN500
KACUTXL03.800	4000Nm	1	67000	67,0	DN600	DN600

400VAC 3-ph version

Code	Torque	pcs./box	Wgt (g)	Box (kg)	Fig. 4020-4025-4029	Fig. 4320-4325
KACUTXL04.800	600Nm	1	20000	20,0	DN250	DN250
KACUTXL05.800	1000Nm, F12	1	47000	47,0	DN300/DN350	DN300/DN350
KACUTXL05.800	1000Nm, F16	1	47000	47,0	DN400	DN400
KACUTXL06.800	2500Nm	1	64000	64,0	DN450/DN500	DN450/DN500
KACUTXL07.800	4000Nm	1	67000	67,0	DN600	DN600

HOVERCRAFT

PNEUMATIC ACTUATOR

Pneumatic actuator with ISO 5211 connection
Anodized aluminum body, nickel plated steel pinion
Flange, end caps and pistons in die cast aluminum
Steel coated springs with technopolymer cartridge
Torque range (at 6bar air supply):

◆ Up to 3800Nm for double effect versions

◆ Up to 1400Nm for spring return versions

Allow opening/closing $\pm 10^\circ$ travel regulation

NAMUR VDI/VDE 3845 upper connection for accessories

NAMUR VDI/VDE 3845 connection for solenoid valve

ISO228/1 1/4" connection to supply manoeuvring fluid

Allowable supply fluid pressures from 1bar to 10bar

Working conditions: -20°C to +80°C.



Double acting model

Code	Torque	pcs./box	Wgt (g)	Box (kg)	Fig. 4020-4025-4029	Fig. 4320-4325
KAHOVER15.801	33Nm	1	1830	1,8	DN32/DN80	DN32/DN80
KAHOVER17.801	60Nm	1	2870	2,9	DN100	DN100
KAHOVER18.801	91Nm	1	4000	4,0	DN125	DN125
KAHOVER19.801	121Nm	1	4840	4,8	DN150	DN150
KAHOVER21.801	242Nm	1	9030	9,0	DN200	DN200
KAHOVER23.801	544Nm	1	17800	17,8	DN250	DN250
KAHOVER24.801	725Nm	1	22180	22,2	DN300/DN350	DN300/DN350
KAHOVER25.801	1099Nm	1	36300	36,3	DN400	DN400
KAHOVER26.801	1450Nm	1	42800	42,8	DN450	DN450
KAHOVER27.801	2838Nm	1	66800	66,8	DN500	DN500

Spring acting model

Code	Torque	pcs./box	Wgt (g)	Box (kg)	Fig. 4020-4025-4029	Fig. 4320-4325
KAHOVER29.801	17Nm	1	2590	2,6	DN32/DN50	DN32/DN50
KAHOVER30.801	25Nm	1	3250	3,3	DN65	DN65
KAHOVER31.801	35Nm	1	4520	4,5	DN80	DN80
KAHOVER32.801	50Nm	1	5570	5,6	DN100	DN100
KAHOVER34.801	99Nm	1	10710	10,7	DN125	DN125
KAHOVER35.801	126Nm	1	15020	15,0	DN150	DN150
KAHOVER36.801	233Nm	1	22630	22,6	DN200	DN200
KAHOVER38.801	483Nm	1	45900	45,9	DN250	DN250
KAHOVER39.801	588Nm	1	52400	52,4	DN300	DN300
KAHOVER40.801	1161Nm	1	82960	83,0	DN350/DN400	DN350/DN400



Convertible monostable solenoid valve IP65
KA0080ZB2.801 for 24VAC version
KA0010ZB2.801 for 230VAC version



Technopolymer limit switch box IP65
KA0F00A2.801



4-20mA Positioner IP66
KAPEY0100.2553

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

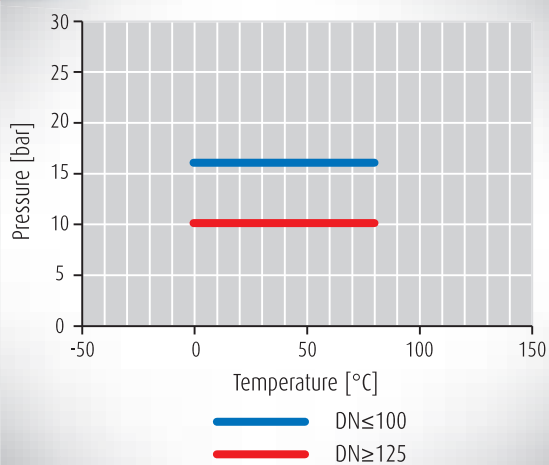
Brass gate valve
Threaded F/F (ISO 228/1)
Non rising blow-out proof stem
Adjustable fiber packing
Metal seal
TR CU 010 compliant

PN16 for DN≤100
PN10 for DN≥125
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +80°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F0400Z010.63	010 - 3/8"	100	160	16,0
F0400Z015.63	015 - 1/2"	80	180	14,4
F0400Z020.63	020 - 3/4"	60	260	15,6
F0400Z025.63	025 - 1"	30	380	11,4
F0400Z032.63	032 - 1 1/4"	20	540	10,8
F0400Z040.63	040 - 1 1/2"	15	750	11,3
F0400Z050.63	050 - 2"	10	1210	12,1
F0400Z065.63	065 - 2 1/2"	10	1660	16,6
F0400Z080.63	080 - 3"	8	2380	19,0
F0400Z100.63	100 - 4"	4	3900	15,6
F0400Z125.63	125 - 5"	1	8300	8,3
F0400Z150.63	150 - 6"	1	12300	12,3



BRASS METAL SEALED GATE VALVE

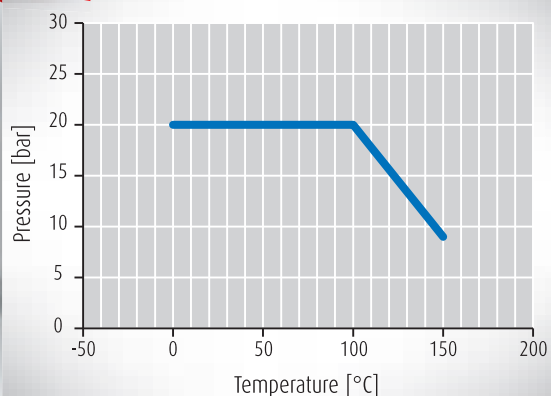
Brass gate valve
Threaded F/F (ISO 228/1)
Non rising blow-out proof stem
Adjustable fiber packing
Metal seal

PN20 (Max 20bar up to 100°C, max 9bar at 150°C)
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +150°C (110°C for DN≥65)
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

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

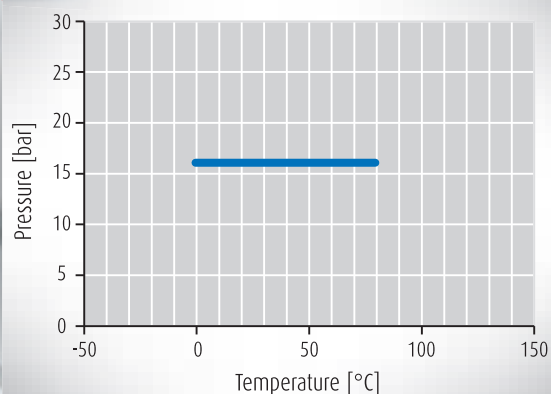
Bronze gate valve
Threaded F/F (ISO 228/1)
Bronze body, brass bonnet and internals
Non rising blow-out proof stem
Adjustable fiber packing
Metal seal
TR CU 010 compliant

PN16
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +80°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F0900B015.15	015 - 1/2"	80	195	15,6
F0900B020.15	020 - 3/4"	50	280	14,0
F0900B025.15	025 - 1"	40	370	14,8
F0900B032.15	032 - 1 1/4"	20	570	11,4
F0900B040.15	040 - 1 1/2"	20	805	16,1
F0900B050.15	050 - 2"	15	1215	18,2
F0900B065.15	065 - 2 1/2"	10	2070	20,7
F0900B080.15	080 - 3"	8	2670	21,4
F0900B100.15	100 - 4"	4	4790	19,2



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BONZE METAL SEALED UNION BONNET GATE VALVE

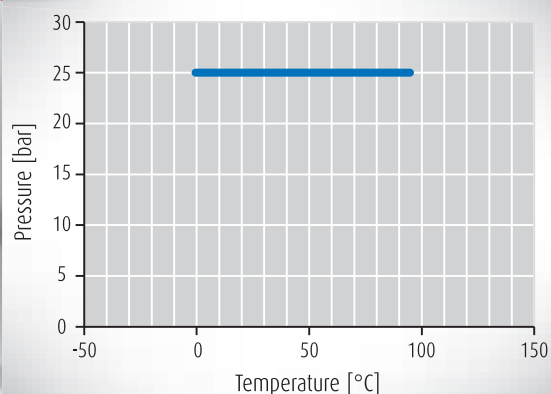
Bronze union bonnet gate valve
Threaded F/F (ISO 228/1)
Bronze body, brass bonnet and internals
Rising stem with backseat
Adjustable PTFE packing
Metal seal
TR CU 010 compliant

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

Working conditions

- ◆ Suitable for: water, 0°C to +95°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F1200B015.15	015 - 1/2"	50	390	19,5
F1200B020.15	020 - 3/4"	40	560	22,4
F1200B025.15	025 - 1"	25	760	19,0
F1200B032.15	032 - 1 1/4"	20	1130	22,6
F1200B040.15	040 - 1 1/2"	9	1580	14,2
F1200B050.15	050 - 2"	6	2450	14,7
F1200B065.15	065 - 2 1/2"	5	3870	19,4
F1200B080.15	080 - 3"	4	5400	21,6
F1200B100.15	100 - 4"	3	8800	26,4



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DUCTILE IRON SOFT SEALED FLANGED GATE VALVE

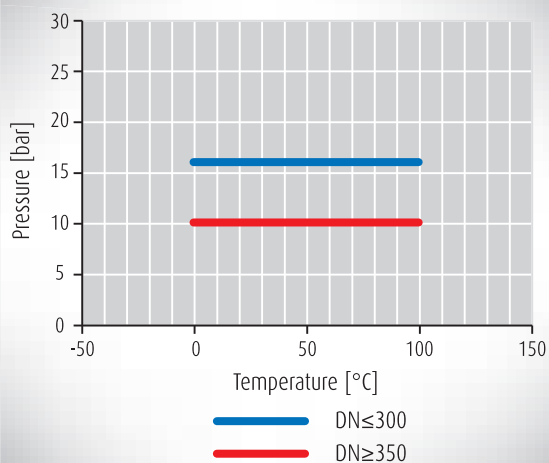
Ductile iron soft sealed gate valve
 Flanged PN16 according to EN1092-2 (ex DIN2533)
 Lengths according EN558-1 series 14 (ex DIN3202 F4)
 Epoxy coating (min. 250µm)
 EPDM coated ductile iron wedge
 Non rising stainless steel stem
 PTFE/EPDM gaskets
 TR CU 010 compliant

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

Working conditions

- ◆ Suitable for: water, 0°C to +100°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F0914I040.1047	040 - 1 1/2"	1	9000	9,0
F0914I050.1047	050 - 2"	1	12000	12,0
F0914I065.1047	065 - 2 1/2"	1	14000	14,0
F0914I080.1047	080 - 3"	1	18000	18,0
F0914I100.1047	100 - 4"	1	23000	23,0
F0914I125.1047	125 - 5"	1	30000	30,0
F0914I150.1047	150 - 6"	1	39000	39,0
F0914I200.1047	200 - 8"	1	60000	60,0
F0914I250.1047	250 - 10"	1	95000	95,0
F0914I300.1047	300 - 12"	1	130000	130,0
F0914I350.1047	350 - 14"	1	195000	195,0
F0914I400.1047	400 - 16"	1	252000	252,0



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CAST IRON OBLIQUE DISC GATE VALVE

Cast iron gate valve
Flanged PN16 according to EN1092-2 (ex DIN2533)
Lengths according EN558-1 series 14 (ex DIN3202 F4)
Cast iron oblique disc with EPDM coating
EPDM O-rings and gasket
TR CU 010 compliant

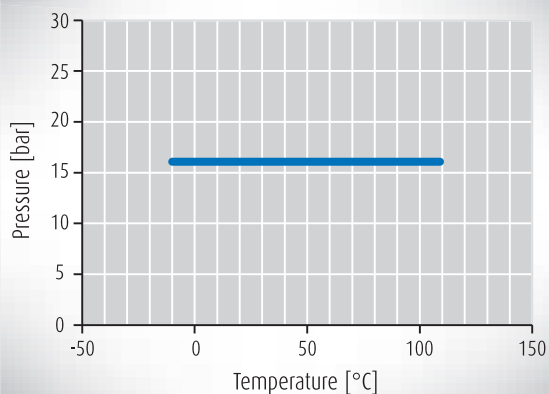
PN16
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, -10°C to +110°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F1520I015.1376	015 - 1/2"	1	3000	3,0
F1520I020.1376	020 - 3/4"	1	3700	3,7
F1520I025.1376	025 - 1"	1	4200	4,2
F1520I032.1376	032 - 1 1/4"	1	5200	5,2
F1520I040.1376	040 - 1 1/2"	1	7700	7,7
F1520I050.1376	050 - 2"	1	9500	9,5
F1520I065.1376	065 - 2 1/2"	1	12100	12,1
F1520I080.1376	080 - 3"	1	16000	16,0
F1520I100.1376	100 - 4"	1	24500	24,5
F1520I125.1376	125 - 5"	1	29600	29,6
F1520I150.1376	150 - 6"	1	40000	40,0
F1520I200.1376	200 - 8"	1	74000	74,0

Version threaded F/F according ISO 228/1 on request up to DN50



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CAST IRON GLOBE VALVE

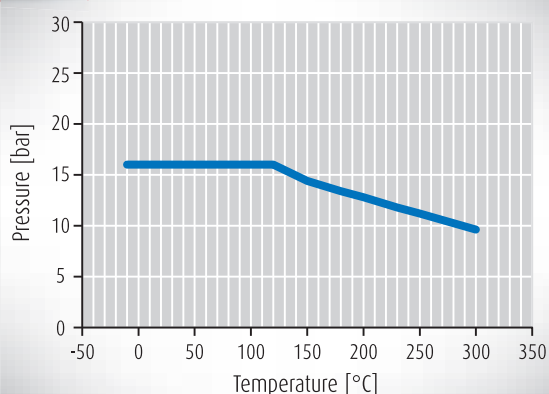
Cast iron globe valve
 Flanged PN16 according to EN1092-2 (ex DIN2533)
 Testing to EN12266-1, lengths to EN558-1 series 1 (ex DIN3202 F1)
 Graphite gasket and packing
 Rising stem, stainless steel internals
 TR CU 010 compliant

PN16 (Max 16bar up to 120°C, then according to rating table)
 Free of CE marking for DN≤25 (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

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

Code	DN	pcs./box	Wgt (g)	Box (kg)
F1510I015.1328	015 - 1/2"	1	3300	3,3
F1510I020.1328	020 - 3/4"	1	3900	3,9
F1510I025.1328	025 - 1"	1	5000	5,0
F1510I032.1328	032 - 1 1/4"	1	6600	6,6
F1510I040.1328	040 - 1 1/2"	1	9400	9,4
F1510I050.1328	050 - 2"	1	12000	12,0
F1510I065.1328	065 - 2 1/2"	1	17000	17,0
F1510I080.1328	080 - 3"	1	22700	22,7
F1510I100.1328	100 - 4"	1	25800	25,8
F1510I125.1328	125 - 5"	1	52800	52,8
F1510I150.1328	150 - 6"	1	74200	74,2
F1510I200.1328	200 - 8"	1	126000	126,0
F1510I250.1328	250 - 10"	1	200000	200,0
F1510I300.1328	300 - 12"	1	315000	315,0



ERC CE



BRASS SPRING LOADED CHECK VALVE (CAST IRON ABOVE DN100)

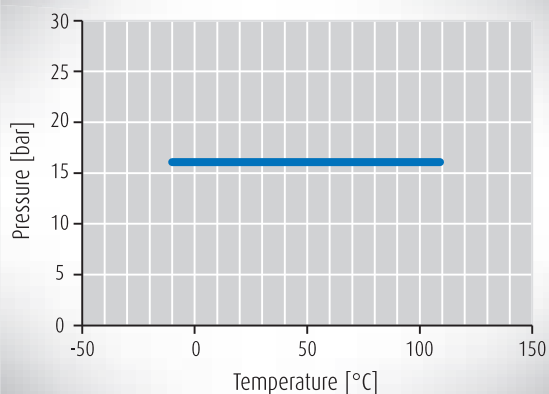
Brass spring loaded check valve (cast iron for DN $\geq$ 125)
 Wafer type, suitable for EN1092 PN6, PN10 or PN16 flanges
 Lengths according EN558-1 series 49 (ex DIN3202 K4)
 Metal seat, stainless steel internals (cast iron disc for DN $\times$ 125)
 To be installed horizontally or vertically
 Minimum opening pressure 0,035bar
 TR CU 010 compliant

PN16
 Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

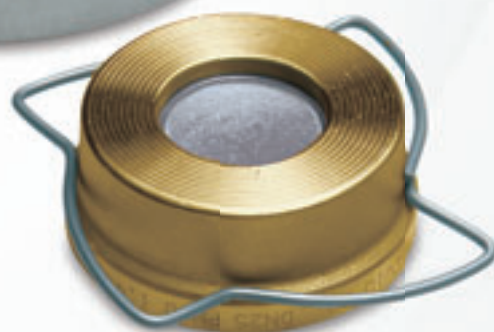
Working conditions

- ◆ Suitable for: water, -10°C to +110°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F77100015.1016	015 - 1/2"	1	94	0,1
F77100020.1016	020 - 3/4"	1	134	0,1
F77100025.1016	025 - 1"	1	202	0,2
F77100032.1016	032 - 1 1/4"	1	458	0,5
F77100040.1016	040 - 1 1/2"	1	620	0,6
F77100050.1016	050 - 2"	1	976	1,0
F77100065.1016	065 - 2 1/2"	1	1360	1,4
F77100080.1016	080 - 3"	1	2078	2,1
F77100100.1016	100 - 4"	1	3030	3,0
F77100125.1020	125 - 5"	1	6800	6,8
F77100150.1020	150 - 6"	1	10000	10,0
F77100200.1020	200 - 8"	1	20000	20,0



ERC



STAINLESS STEEL SPRING LOADED CHECK VALVE

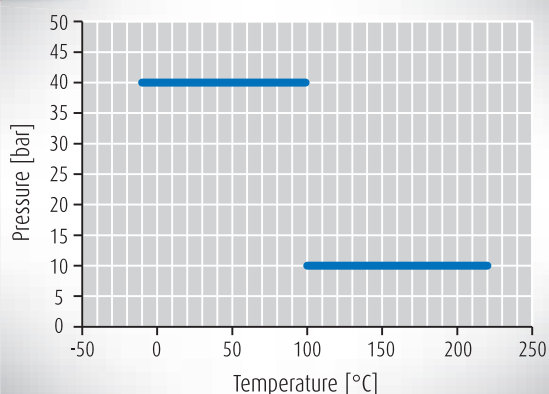
Stainless steel spring loaded check valve
 Wafer type, suitable for EN1092 PN6, PN10, PN16 or PN40 flanges
 Lengths according EN558-1 series 49 (ex DIN3202 K4)
 Metal seat, stainless steel internals
 To be installed horizontally or vertically
 Minimum opening pressure 0,035bar
 TR CU 010 compliant

PN40 (Max 40bar up to 100°C, Max 10bar above)
 Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, -10°C to +220°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F77500015.1021	015 - 1/2"	1	150	0,2
F77500020.1021	020 - 3/4"	1	200	0,2
F77500025.1021	025 - 1"	1	300	0,3
F77500032.1021	032 - 1 1/4"	1	450	0,5
F77500040.1021	040 - 1 1/2"	1	650	0,7
F77500050.1021	050 - 2"	1	1000	1,0
F77500065.1021	065 - 2 1/2"	1	1500	1,5
F77500080.1021	080 - 3"	1	2100	2,1
F77500100.1021	100 - 4"	1	3250	3,3



EAC

CAST IRON DUAL PLATE CHECK VALVE

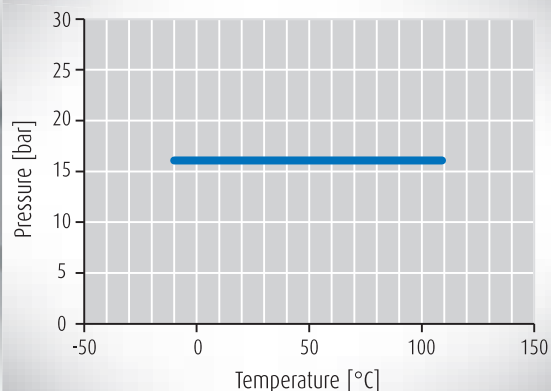
Cast iron dual plate check valve
 Wafer type suitable for EN1092 PN16 flanges
 Suitable also for flanges PN10 up to $DN \leq 250$
 Design according to EN12334
 Testing according to EN12266-1
 Lengths according to EN558-1 series 16
 Stainless steel internals, EPDM seat, PTFE washers
 To be installed horizontally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

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

Working conditions

- ◆ Suitable for: water, -10°C to $+110^{\circ}\text{C}$
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

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



EAC

STEEL WAFER CHECK VALVE

Steel check valve

Wafer type suitable for EN1092 PN16 or PN10 flanges

EPDM seat

TR CU 010 compliant

PN16

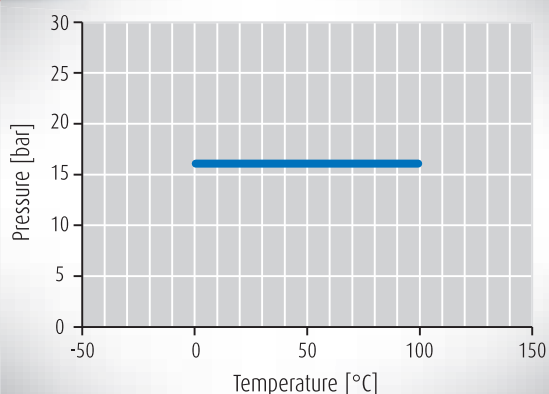
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

◆ Suitable for: water, 0°C to +100°C

◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F77700050.1372	050 - 2"	1	900	0,9
F77700065.1372	065 - 2 1/2"	1	1200	1,2
F77700080.1372	080 - 3"	1	1500	1,5
F77700100.1372	100 - 4"	1	2400	2,4
F77700125.1372	125 - 5"	1	3400	3,4
F77700150.1372	150 - 6"	1	4200	4,2
F77700200.1372	200 - 8"	1	7500	7,5



EAC

BRASS SWING CHECK VALVE

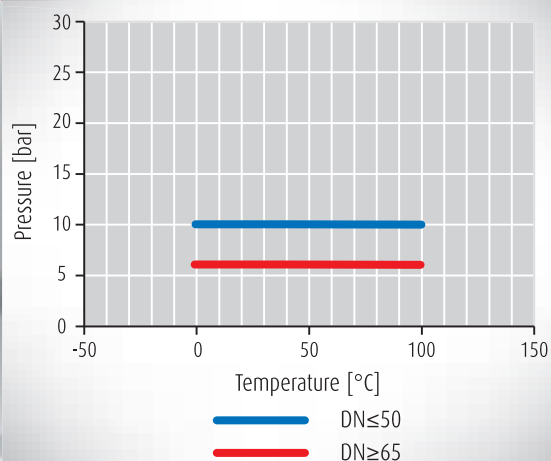
Brass swing check valve
Threaded F/F (ISO 228/1)
NBR seal, fiber gasket
Minimum opening pressure 0,03bar
TR CU 010 compliant

PN10 (PN6 for $DN \geq 65$)
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +100°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F8300Z015.62	015 - 1/2"	1	180	0,2
F8300Z020.62	020 - 3/4"	1	240	0,2
F8300Z025.62	025 - 1"	1	350	0,4
F8300Z032.62	032 - 1 1/4"	1	550	0,6
F8300Z040.62	040 - 1 1/2"	1	880	0,9
F8300Z050.62	050 - 2"	1	1200	1,2
F8300Z065.62	065 - 2 1/2"	1	1780	1,8
F8300Z080.62	080 - 3"	1	2900	2,9
F8300Z100.62	100 - 4"	1	5000	5,0



ERC

BRONZE SWING CHECK VALVE

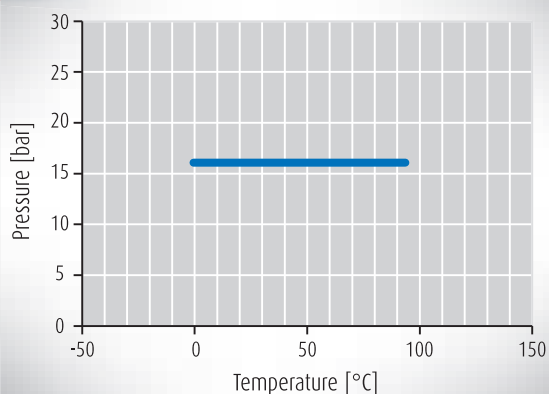
Bronze swing check valve
Threaded F/F (ISO 228/1)
Brass internal parts, metal seat, NBR gaskets
TR CU 010 compliant

PN16
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +95°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

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



ERC

CAST IRON SWING CHECK VALVE

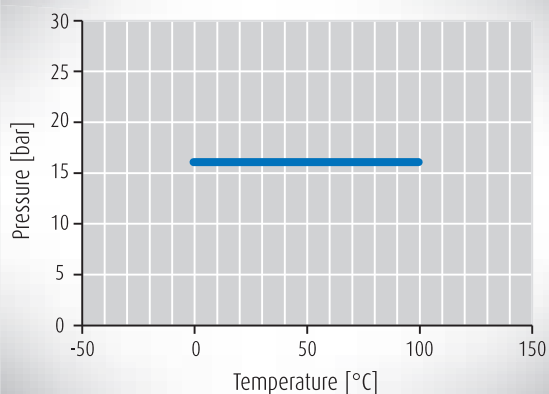
Cast iron GG25 swing check valve
 Flanged ends according EN1092-2 PN16 (ex DIN2533)
 Lengths according EN558-1 series 48 (ex DIN3202 F6)
 Design according EN12334
 Testing according API598
 Epoxy coating (min. 200µm)
 Brass seat, EPDM gasket
 TR CU 010 compliant

PN16
 Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +100°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F8905I050.1015	050 - 2"	1	18000	18,0
F8905I065.1015	065 - 2 1/2"	1	20900	20,9
F8905I080.1015	080 - 3"	1	28000	28,0
F8905I100.1015	100 - 4"	1	36000	36,0
F8905I125.1015	125 - 5"	1	52000	52,0
F8905I150.1015	150 - 6"	1	62000	62,0
F8905I200.1015	200 - 8"	1	108000	108,0
F8905I250.1015	250 - 10"	1	191000	191,0
F8905I300.1015	300 - 12"	1	305000	305,0



ERC



CAST IRON BALL CHECK VALVE

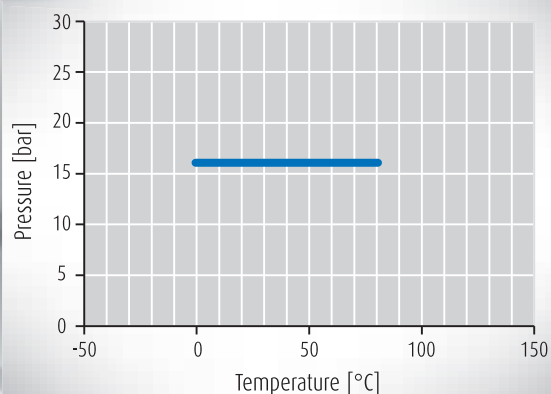
Cast iron ball check valve
Threaded F/F (ISO 228/1) for DN15-DN50
Flanged PN16 according to EN1092-2 (ex DIN2533) for DN65-DN300
Lengths according to EN558-1 series 48 (ex DIN3202 F6) for DN65-DN300
NBR metal coated ball, NBR gasket
Minimum opening pressure 0,04bar
TR CU 010 compliant

PN16
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +80°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

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



SPRING-LOADED BRASS CHECK VALVE

Spring-loaded brass check valve
Threaded F/F (ISO 228/1)
Optional stainless steel strainer (mesh 1000µm)
Valve 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)
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

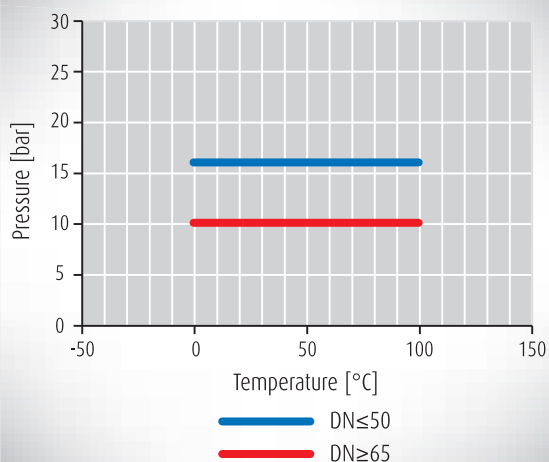
Working conditions

- ◆ Suitable for: water, 0°C to +100°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

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



EAC

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

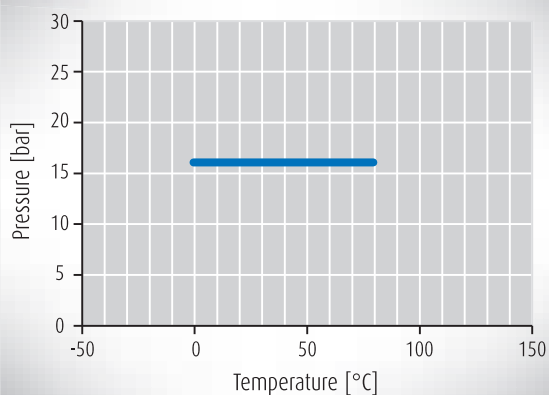
Working conditions

- ◆ Suitable for: water, 0°C to +80°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

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



EAC

8090

CAST IRON PISTON CHECK VALVE

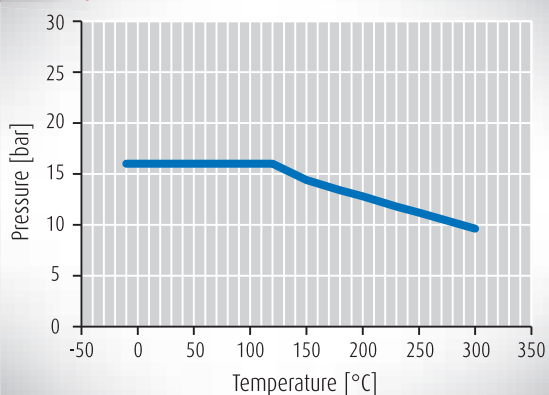
Cast iron piston check valve
Flanged PN16 according to EN1092-2 (ex DIN2533)
Lengths according to EN558-1 series 1 (ex DIN3202 F1)
Stainless steel seat and internals
TR CU 010 compliant

PN16 (Max 16bar up to 120°C, then according to rating table)
Free of CE marking for DN≤25 (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

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

Code	DN	pcs./box	Wgt (g)	Box (kg)
F8090I015.1438	015 - 1/2"	1	2600	2,6
F8090I020.1438	020 - 3/4"	1	3400	3,4
F8090I025.1438	025 - 1"	1	4400	4,4
F8090I032.1438	032 - 1 1/4"	1	5800	5,8
F8090I040.1438	040 - 1 1/2"	1	8400	8,4
F8090I050.1438	050 - 2"	1	10400	10,4
F8090I065.1438	065 - 2 1/2"	1	18000	18,0
F8090I080.1438	080 - 3"	1	20600	20,6
F8090I100.1438	100 - 4"	1	32000	32,0
F8090I125.1438	125 - 5"	1	44000	44,0
F8090I150.1438	150 - 6"	1	62000	62,0
F8090I200.1438	200 - 8"	1	110000	110,0
F8090I250.1438	250 - 10"	1	180000	180,0
F8090I300.1438	300 - 12"	1	260000	260,0



EN1092-2 PN16

EN1092-2 PN16

FILTRATION



BRASS STRAINER

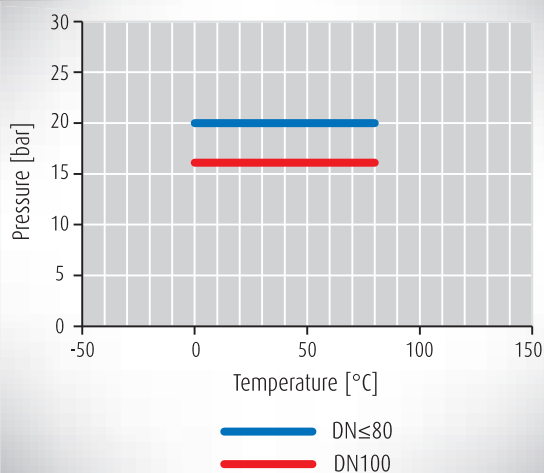
Brass strainer
Threaded F/F (ISO 228/1)
Stainless steel strainer, fiber gasket
(Mesh 500µm for DN≤50, 600µm for DN65/DN80, 800µm for DN100)
TR CU 010 compliant

PN20 (PN16 for DN100)
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +80°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F8990Z008.62	008 - 1/4"	1	110	0,1
F8990Z010.62	010 - 3/8"	1	115	0,1
F8990Z015.62	015 - 1/2"	1	140	0,1
F8990Z020.62	020 - 3/4"	1	210	0,2
F8990Z025.62	025 - 1"	1	330	0,3
F8990Z032.62	032 - 1 1/4"	1	580	0,6
F8990Z040.62	040 - 1 1/2"	1	850	0,9
F8990Z050.62	050 - 2"	1	1400	1,4
F8990Z065.62	065 - 2 1/2"	1	2800	2,8
F8990Z080.62	080 - 3"	1	3100	3,1
F8990Z100.62	100 - 4"	1	4900	4,9



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BRONZE STRAINER

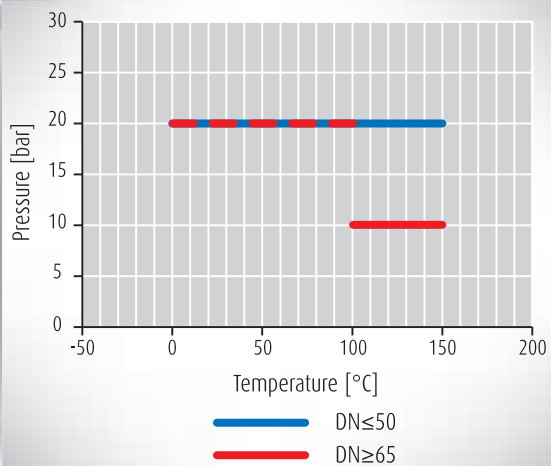
Bronze strainer with brass bonnet
Threaded F/F (ISO 228/1)
Stainless steel strainer, fiber gasket
(mesh Ø0,5mm up to DN≤20, Ø0,8mm above)
TR CU 010 compliant

PN20 (for DN≥65 Max 10bar above 110°C)
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +150°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F9000B010.19	010 - 3/8"	100	178	17,8
F9000B015.19	015 - 1/2"	100	175	17,5
F9000B020.19	020 - 3/4"	50	290	14,5
F9000B025.19	025 - 1"	40	410	16,4
F9000B032.19	032 - 1 1/4"	20	700	14,0
F9000B040.19	040 - 1 1/2"	10	915	9,2
F9000B050.19	050 - 2"	10	1390	13,9
F9000B065.19	065 - 2 1/2"	8	2800	22,4
F9000B080.19	080 - 3"	4	3725	14,9
F9000B100.19	100 - 4"	2	6860	13,7



EAC



89DV

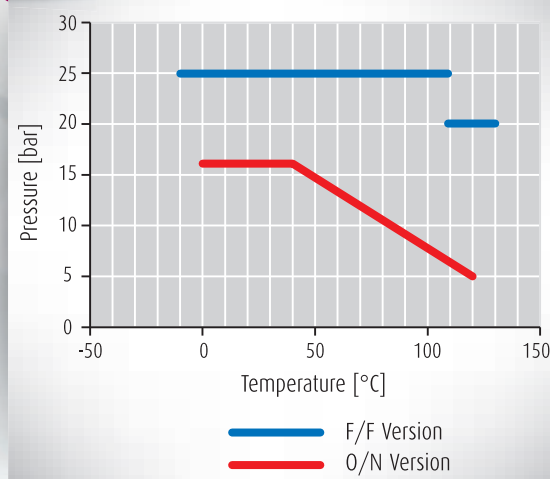
DZR BRASS STRAINER WITH DRAIN AND PROBE HOLDERS

DZR brass strainer with drain and probe holders
 Threaded F/F (ISO 228/1)
 Olive and nut (O/N) mounting kit on request
 (for 22mm pipe according European copper tubing, EN1057)
 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 probe holders
 TR CU 010 compliant

PN25 (Max 25bar up to 110°C, max 20bar above)
 PN16 with O/N kit (Max 16bar up to 30°C, max 5bar at 120°C)
 Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

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
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)



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



Optional 89DV-421 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)
 Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

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
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)



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

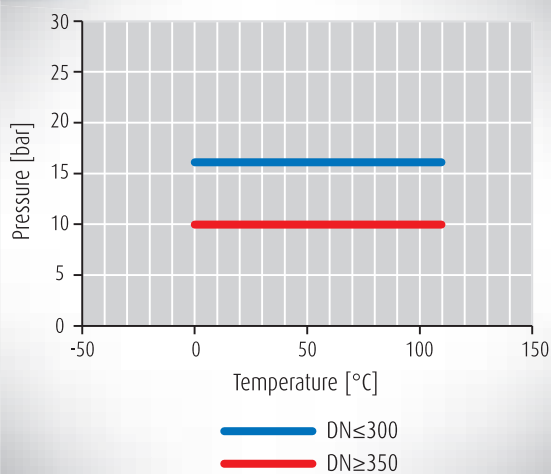
Working conditions

- ◆ Suitable for: water, 0°C to +110°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

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 and graphite gasket: KFF895mis.2025

Spare graphite gasket only: KXG895mis.2397



895J

GROOVED DUCTILE IRON STRAINER

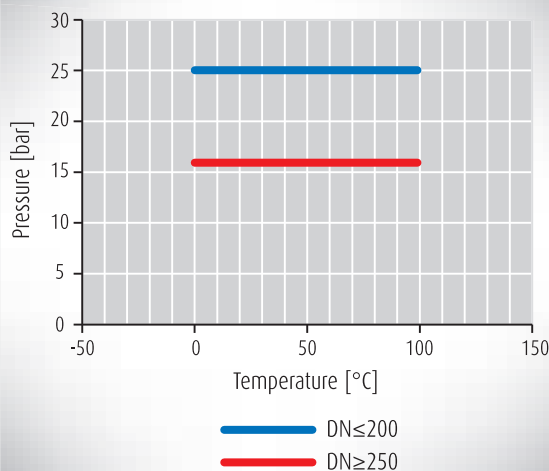
Ductile iron strainer in GGG50
Grooved ends (ANSI/AWWA C606 table 4)
Steel strainer in SS304 with round holes mesh, graphite gasket
Hole diameter 1,5mm up to DN≤80, 3,0mm above
With threaded drain
TR CU 010 compliant

PN25 (PN16 for DN≥250)
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +100°C
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F8952I050.1945	60,3	1	8800	8,8
F8952I065.1945	76,1	1	11000	11,0
F8952I080.1945	88,9	1	18000	18,0
F8952I100.1945	114,3	1	26000	26,0
F8952I125.1945	139,7	1	42000	42,0
F8952I150.1945	168,3	1	65000	65,0
F8952I200.1945	219,1	1	113000	113,0
F8952I250.1945	273	1	196000	196,0
F8952I300.1945	323,9	1	242000	242,0



EAC

815V

BRASS FOOT VALVE

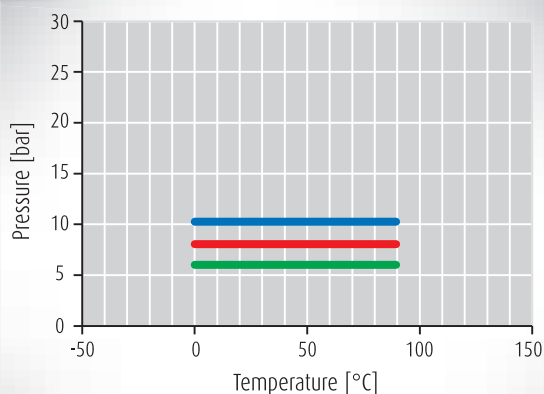
Brass foot valve
Female threaded (ISO 228/1)
SBR seal, fiber gasket
To be installed vertically (with upward flow)
TR CU 010 compliant

PN10 for DN15/DN25, PN8 for DN32/DN50, PN6 for DN65/DN150
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +90°C
 - ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)
- PN10 for DN15/DN25, PN8 for DN32/DN50, PN6 for DN65/DN150

Code	DN	pcs./box	Wgt (g)	Box (kg)
F8150Z015.62	015 - 1/2"	1	115	0,1
F8150Z020.62	020 - 3/4"	1	213	0,2
F8150Z025.62	025 - 1"	1	285	0,3
F8150Z032.62	032 - 1 1/4"	1	408	0,4
F8150Z040.62	040 - 1 1/2"	1	578	0,6
F8150Z050.62	050 - 2"	1	830	0,8
F8150Z065.62	065 - 2 1/2"	1	1300	1,3
F8150Z080.62	080 - 3"	1	1800	1,8
F8150Z100.62	100 - 4"	1	3075	3,1
F8150Z125.62	125 - 5"	1	5000	5,0
F8150Z150.62	150 - 6"	1	7000	7,0



— DN15/DN25
— DN32/DN50
— DN65/DN150



EAC

POLYPROPYLENE VALVES



POLYPROPYLENE BALL VALVE

Polypropylene ball valve
Threaded F/F (ISO 228/1)
One piece body
Chromium plated brass ball, PTFE seats
Blow-out proof brass stem, adjustable NBR packing
(ball and stem in stainless steel on request)
With handle or butterfly (up to DN≤32)
TR CU 010 compliant

PN16
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

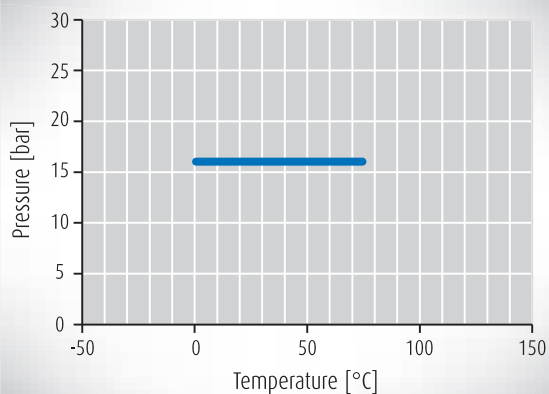
- ◆ Suitable for: water, 0°C to +75°C
- ◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/UE)

Lever handle version

Code	DN	pcs./box	Wgt (g)	Box (kg)
F2200L008.247	008 - 1/4"	100	66	6,6
F2200L010.247	010 - 3/8"	100	64	6,4
F2200L015.247	015 - 1/2"	50	83	4,2
F2200L020.247	020 - 3/4"	40	125	5,0
F2200L025.247	025 - 1"	25	256	6,4
F2200L032.247	032 - 1 1/4"	15	389	5,8
F2200L040.247	040 - 1 1/2"	10	671	6,7
F2200L050.247	050 - 2"	6	1009	6,1

Butterfly handle version

Code	DN	pcs./box	Wgt (g)	Box(kg)
F2200L008.246	008 - 1/4"	100	62	6,2
F2200L010.246	010 - 3/8"	100	60	6,0
F2200L015.246	015 - 1/2"	50	82	4,1
F2200L020.246	020 - 3/4"	40	124	5,0
F2200L025.246	025 - 1"	25	257	6,4
F2200L032.246	032 - 1 1/4"	15	390	5,9



EAC

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, adjustable NBR packing
With handle or butterfly
TR CU 010 compliant

PN16
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +75°C
- ◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/UE)

Lever handle version, brass hose union

Code	DN	pcs./box	Wgt (g)	Box (kg)
F2100L010.247	010 - 3/8"	50	149	7,5
F2100L015.247	015 - 1/2"	40	153	6,1
F2100L020.247	020 - 3/4"	25	246	6,2
F2100L025.247	025 - 1"	15	397	6,0

Butterfly handle version, brass hose union

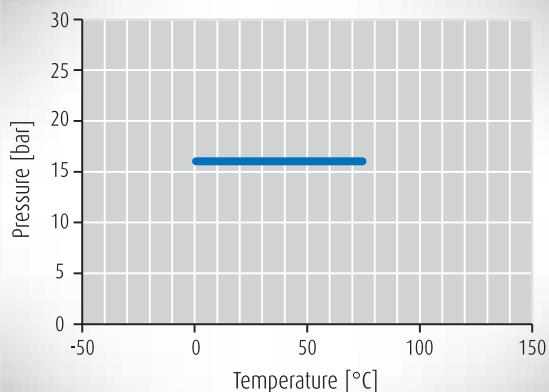
Code	DN	pcs./box	Wgt (g)	Box (kg)
F2100L010.246	010 - 3/8"	50	145	7,3
F2100L015.246	015 - 1/2"	40	152	6,1
F2100L020.246	020 - 3/4"	25	245	6,1
F2100L025.246	025 - 1"	15	398	6,0

Lever handle version, plastic hose union

Code	DN	pcs./box	Wgt (g)	Box (kg)
F2100L010.836	010 - 3/8"	50	166	9,3
F2100L015.836	015 - 1/2"	40	172	6,9
F2100L020.836	020 - 3/4"	25	263	6,6

Butterfly handle version, plastic hose union

Code	DN	pcs./box	Wgt (g)	Box (kg)
F2100L010.893	010 - 3/8"	50	162	8,1
F2100L015.893	015 - 1/2"	40	171	6,8
F2100L020.893	020 - 3/4"	25	262	6,6



EAC

POLYPROPYLENE COPOLYMER BALL VALVE

Polypropylene copolymer ball valve
Threaded F/F (ISO 228/1)
Ice-damaging resistant one piece body
Chromium plated brass ball, PTFE seats
Blow-out proof brass stem, adjustable NBR packing
(ball and stem in stainless steel on request)
With handle or butterfly
TR CU 010 compliant

PN16
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

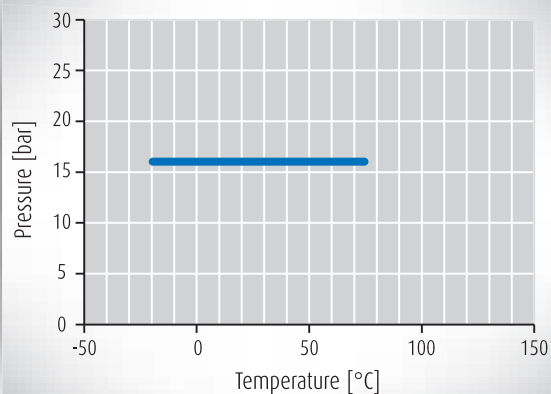
- ◆ Suitable for: water, -20°C to +75°C
- ◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/UE)

Lever handle version

Code	DN	pcs./box	Wgt (g)	Box (kg)
F2280N015.496	015 - 1/2"	50	83	4,2
F2280N020.496	020 - 3/4"	40	125	5,0
F2280N025.496	025 - 1"	25	256	6,4

Butterfly handle version

Code	DN	pcs./box	Wgt (g)	Box(kg)
F2280N015.499	015 - 1/2"	50	82	4,1
F2280N020.499	020 - 3/4"	40	124	5,0
F2280N025.499	025 - 1"	25	257	6,4



ARCTIC

EAC



POLYPROPYLENE COPOLYMER BALL BIB COCK

Polypropylene copolymer ball bib cock
Threaded M (ISO 228/1) + hose union
Ice-damaging resistant 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, adjustable NBR packing
With handle or butterfly
TR CU 010 compliant

PN16

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

Working conditions

- ◆ Suitable for: water, -20°C to +75°C
- ◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/UE)

Lever handle version, brass hose union

Code	DN	pcs./box	Wgt (g)	Box (kg)
F2180N015.528	015 - 1/2"	40	153	6,1
F2180N020.528	020 - 3/4"	25	246	6,2
F2180N025.528	025 - 1"	15	397	6,0

Butterfly handle version, brass hose union

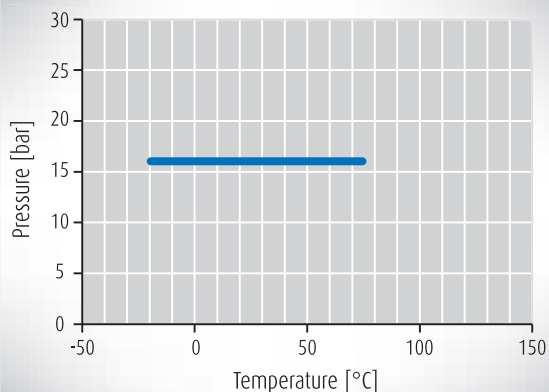
Code	DN	pcs./box	Wgt (g)	Box (kg)
F2180N015.668	015 - 1/2"	40	152	6,1
F2180N020.668	020 - 3/4"	25	245	6,1
F2180N025.668	025 - 1"	15	398	6,0

Lever handle version, plastic hose union

Code	DN	pcs./box	Wgt (g)	Box (kg)
F2180N015.837	015 - 1/2"	40	172	6,9
F2180N020.837	020 - 3/4"	25	263	6,6

Butterfly handle version, plastic hose union

Code	DN	pcs./box	Wgt (g)	Box (kg)
F2180N015.894	015 - 1/2"	40	171	6,8
F2180N020.894	020 - 3/4"	25	262	6,6


POLYPROPYLENE RANDOM BALL VALVE

Polypropylene random (PP-R80) ball valve
Soldering ends (DIN 16962)
One piece body
Chromium plated brass ball, PTFE seats
Blow-out proof brass stem, adjustable NBR packing
(ball and stem in stainless steel on request)
With handle or butterfly (up to DN≤32)
TR CU 010 compliant

PN20
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

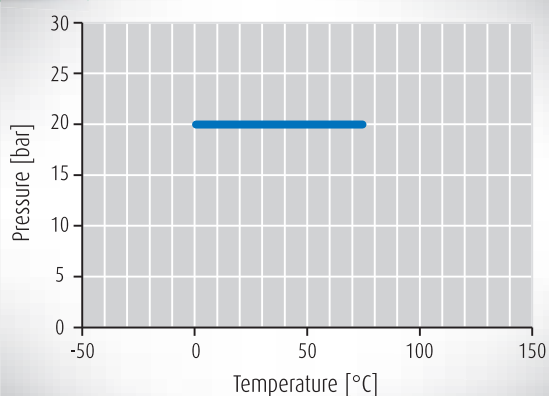
- ◆ Suitable for: water, 0°C to +75°C
- ◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/UE)

Lever handle version

Code	DN	pcs./box	Wgt (g)	Box (kg)
F5000V020.400	020 - 1/2"	50	116	5,8
F5000V025.400	025 - 3/4"	25	135	3,4
F5000V032.400	032 - 1"	15	189	2,8
F5000V040.400	040 - 1 1/4"	10	347	3,5
F5000V050.400	050 - 1 1/2"	6	517	3,1
F5000V063.400	063 - 2"	5	935	4,7
F5000V075.400	075 - 2 1/2"	4	1200	4,8

Butterfly handle version

Code	DN	pcs./box	Wgt (g)	Box (kg)
F5000V020.414	020 - 1/2"	50	112	5,6
F5000V025.414	025 - 3/4"	25	131	3,3
F5000V032.414	032 - 1"	15	185	2,8



EAC

500I SERIES

POLYPROPYLENE RANDOM UNDER PLASTER BALL VALVE

Polypropylene random (PP-R80) under plaster ball valve
Soldering ends (DIN 16962)

One piece body

Chromium plated brass ball, PTFE seats

Blow-out proof brass stem, adjustable NBR packing
(ball and stem in stainless steel on request)

Available in the following versions:

◆ Fig. 500IM, with triangular brass handle

◆ Fig. 500IS-L, with light cover and plate

◆ Fig. 500IS-H, with heavy cover and plate

TR CU 010 compliant

PN20

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

Working conditions

◆ Suitable for: water, 0°C to +75°C

◆ Not suitable for: gases and liquids group 1 (Dir. 2014/68/UE)

Fig. 500IM

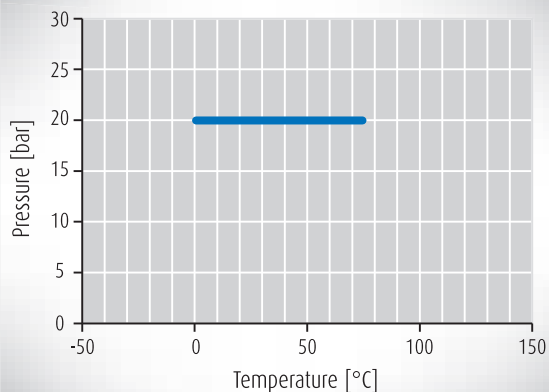
Code	DN	pcs./box	Wgt (g)	Box (kg)
F5000V020.448	020 - 1/2"	20	320	6,4
F5000V025.448	025 - 3/4"	15	339	5,1
F5000V032.448	032 - 1"	10	393	3,9

Fig. 500IS-L

Code	DN	pcs./box	Wgt (g)	Box (kg)
F5000V020.447	020 - 1/2"	20	210	4,2
F5000V025.447	025 - 3/4"	15	229	3,4
F5000V032.447	032 - 1"	10	283	2,8

Fig. 500IS-H

Code	DN	pcs./box	Wgt (g)	Box (kg)
F5000V020.428	020 - 1/2"	20	263	5,3
F5000V025.428	025 - 3/4"	15	282	4,2
F5000V032.428	032 - 1"	10	336	3,4



SPARE PARTS

SPARE PARTS FOR POLYPROPYLENE BALL VALVES

Spare handles
for Fig. 210, 218, 220, 228 and 500



Lever handles

Code	pcs./box	Wgt (g)	Box (kg)	Fig.210/218	Fig.220/228	Fig.500
KXM200008.599	250	16	4,0	DN10/DN15	DN08/DN10	-
KXM200015.599	150	16	2,4	DN20/DN25	DN15/DN20	DN20/DN32
KXM200025.599	100	28	2,8	-	DN25/DN32	DN40/DN50
KXM200040.599	50	48	2,4	-	DN40/DN50	DN65/DN75

Butterfly handles

Code	pcs./box	Wgt (g)	Box (kg)	Fig.210/218	Fig.220/228	Fig.500
KXF200008.669	500	12	6,0	DN10/DN15	DN08/DN10	-
KXF200015.669	500	15	7,5	DN20/DN25	DN15/DN20	DN20/DN32
KXF200025.669	200	29	5,8	-	DN25/DN32	DN40/DN50

Polyamide stem extension
with zinc plated steel rod
for Fig. 210, 218, 220, 228 and 500



Stem extensions

Code	pcs./box	Wgt (g)	Box (kg)	Fig.210/218	Fig.220/228	Fig.500
KXF200008.669	500	12	6,0	DN10/DN15	DN08/DN10	-
KXF200015.669	500	15	7,5	DN20/DN25	DN15/DN20	DN20/DN32
KXF200025.669	200	29	5,8	-	DN25/DN32	DN40/DN50

VALVES FOR GAS



340G

FULL BORE BRASS BALL VALVE FOR GAS

Nickel plated full bore brass ball valve
Threaded F/F (ISO 228/1)
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

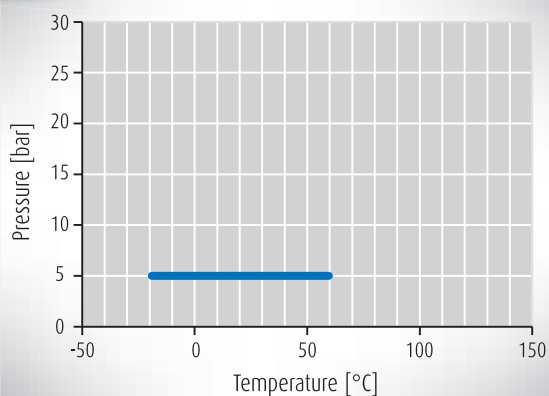
CE marked according to PED (cat. according Dir. 2014/68/EU) and EN331

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



CE EAC

EN331

343G

FULL BORE BRASS BALL VALVE FOR GAS

Nickel plated full bore brass ball valve
Threaded M/F (ISO 228/1)
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

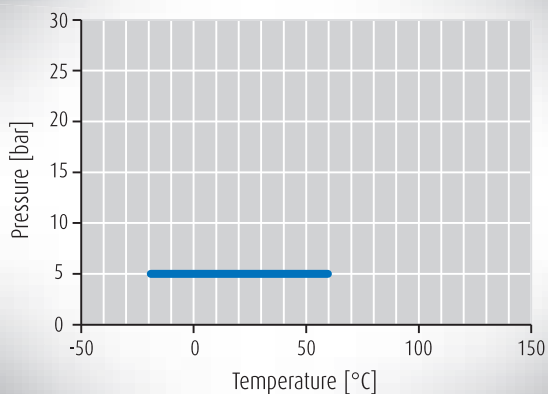
CE marked according to PED (cat. according Dir. 2014/68/EU) and EN331

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)
F343GM008.795	008 - 1/4"	125	123	15,4
F343GM010.795	010 - 3/8"	125	120	15,0
F343GM015.795	015 - 1/2"	90	197	17,7
F343GM020.795	020 - 3/4"	60	280	16,8
F343GM025.795	025 - 1"	35	453	15,9
F343GQ032.796	032 - 1 1/4"	25	630	15,8
F343GQ040.796	040 - 1 1/2"	12	1044	12,5
F343GQ050.796	050 - 2"	8	1599	12,8

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CE EAC

EN331

390G

DUCTILE IRON BALL VALVE FOR GAS

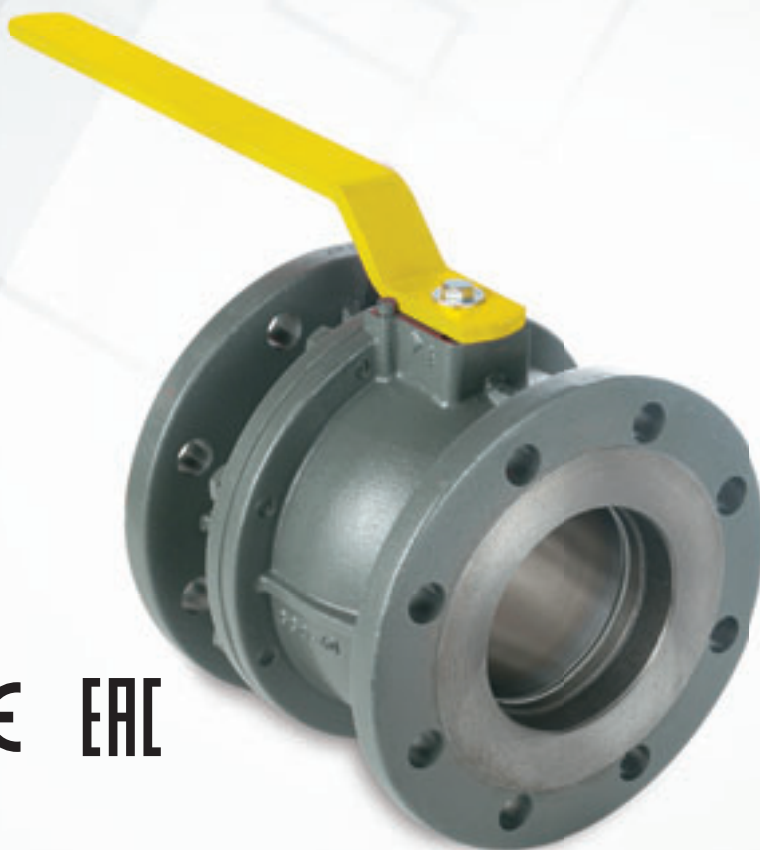
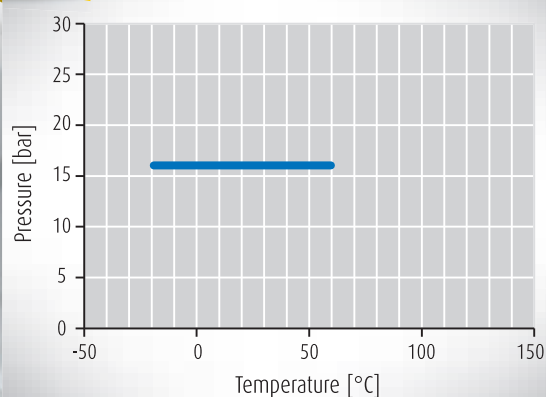
Ductile iron GGG40 ball valve
 Flanged PN16 according to EN1092-2 (ex DIN2533)
 Testing according to EN12266-1
 Lengths according to EN558-1 series 14 (ex DIN3202 F4)
 (EN558-1 series 15, ex DIN3202 F5, for DN200)
 Chromium plated ball, PTFE seats
 FKM stem O-rings, PTFE body O-ring
 Version with locking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

PN16
 CE marked (DN25 excluded, categorization according Dir. 2014/68/EU)

Working conditions

◆ Suitable for: gas, -20°C to +60°C
 (not suitable for CPR 305-2011 applications)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F3900I025.867	025 - 1"	1	3500	3,5
F3900I032.867	032 - 1 1/4"	1	5300	5,3
F3900I040.867	040 - 1 1/2"	1	6600	6,6
F3900I050.867	050 - 2"	1	8800	8,8
F3900I065.867	065 - 2 1/2"	1	11400	11,4
F3900I080.867	080 - 3"	1	14000	14,0
F3900I100.867	100 - 4"	1	17000	17,0
F3900I125.867	125 - 5"	1	30000	30,0
F3900I150.867	150 - 6"	1	37000	37,0
F3900I200.867	200 - 8"	1	84000	84,0



DUCTILE IRON LUG BUTTERFLY VALVE FOR GAS

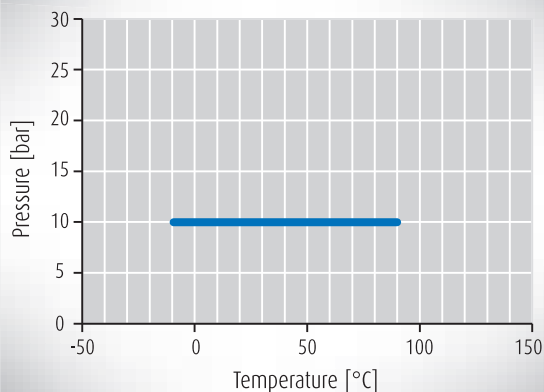
Ductile iron Lug butterfly valve for gas
 Flanged PN16 according to EN1092-2 (ex DIN2533)
 Lengths according to EN558-1 series 20 (ex DIN3202 K1)
 Design according to EN593
 Epoxy coated body (200µm)
 Rilsan coated disc (250µm), NBR seat and stem O-rings
 Testing according to EN12266-1/P12 (leakage rate A)
 With lockable lever (in both open and close position)
 TR CU 010 compliant

PN10
 CE marked (DN25 excluded, categorization according Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: gas, -10°C to +90°C
 (not suitable for CPR 305-2011 applications)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F4321L050.931	050 - 2"	1	3200	3,2
F4321L065.931	065 - 2 1/2"	1	4000	4,0
F4321L080.931	080 - 3"	1	6100	6,1
F4321L100.931	100 - 4"	1	8500	8,5
F4321L125.931	125 - 5"	1	10000	10,0
F4321L150.931	150 - 6"	1	11000	11,0
F4321L200.931	200 - 8"	1	19600	19,6
F4321L250.931	250 - 10"	1	28700	28,7
F4321L300.931	300 - 12"	1	41200	41,2



CE EAC

FLEXIBLE JOINTS AND AIR VENTS



9390

BRASS AUTOMATIC AIR VENT

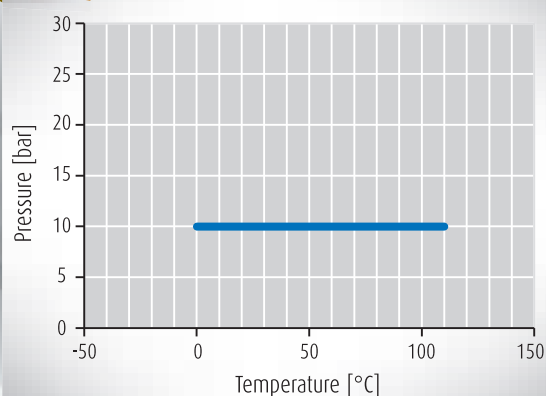
Brass automatic air vent
Threaded M (ISO 228/1)
With plastic internal parts
EPDM body O-ring, polyamide vent plug
TR CU 010 compliant

PN10
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +110°C
over 100°C only for water with added anti-boiling fluids
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F93900010.1776	010 - 3/8"	1	156	0,2
F93900015.1776	015 - 1/2"	1	154	0,2



EAC



9380

CAST IRON AUTOMATIC AIR VENT

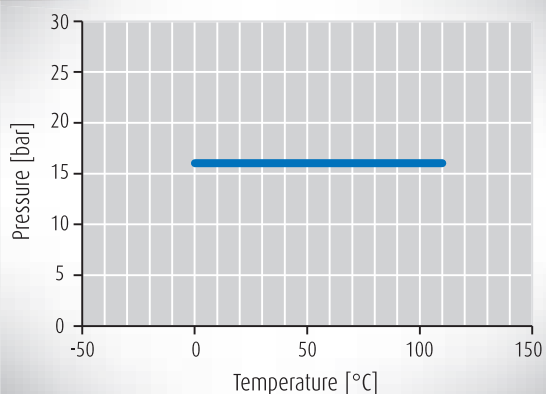
Cast iron automatic air vent
Threaded F (ISO 228/1)
Epoxy coating
Stainless steel internal parts, EPDM gasket, brass vent

PN16
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, 0°C to +110°C
over 100°C only for water with added anti-boiling fluids
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
F93800020.xxx	020 - 3/4"	1	2700	2,7
F93800025.xxx	025 - 1"	1	2700	2,7
F93800032.xxx	032 - 1 1/4"	1	3200	3,2
F93800040.xxx	040 - 1 1/2"	1	3200	3,2
F93800050.xxx	050 - 2"	1	3200	3,2



EAC

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

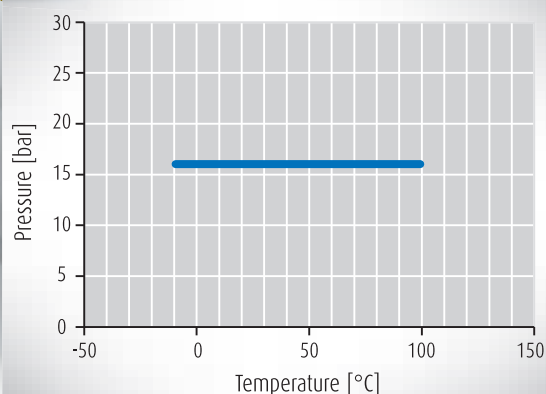
PN16

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

Working conditions

- ◆ Suitable for: water, -10°C to +100°C
below 0°C only for water with added antifreeze fluids
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

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



EAC

KGTP

SOLID LUG RUBBER FLEXIBLE JOINT

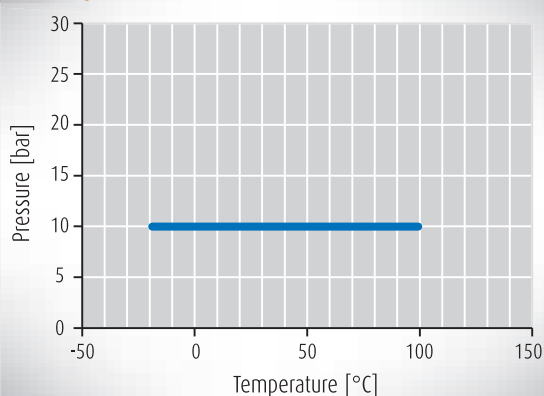
Solid Lug rubber flexible joint
For PN10 flanges according to EN1092-1/2
(also suitable for PN16 flanges up to DN≤150)
Steel threaded inserts
TR CU 010 compliant

PN10
Free of CE marking (cat. according to Art. 4.3 Dir. 2014/68/EU)

Working conditions

- ◆ Suitable for: water, -20°C to +100°C
below 0°C only for water with added antifreeze fluids
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

Code	DN	pcs./box	Wgt (g)	Box (kg)
KGT800020.2182	020 - 3/4"	1	1800	1,8
KGT800025.2182	025 - 1"	1	2400	2,4
KGT800032.2182	032 - 1 1/4"	1	3400	3,4
KGT800040.2182	040 - 1 1/2"	1	3900	3,9
KGT800050.2182	050 - 2"	1	4500	4,5
KGT800065.2182	065 - 2 1/2"	1	5500	5,5
KGT800080.2182	080 - 3"	1	5900	5,9
KGT800100.2182	100 - 4"	1	7500	7,5
KGT800125.2182	125 - 5"	1	8700	8,7
KGT800150.2182	150 - 6"	1	11100	11,1
KGT800200.2182	200 - 8"	1	16200	16,2



EAC

KGTF

SINGLE SPHERE FLANGED RUBBER FLEXIBLE JOINT

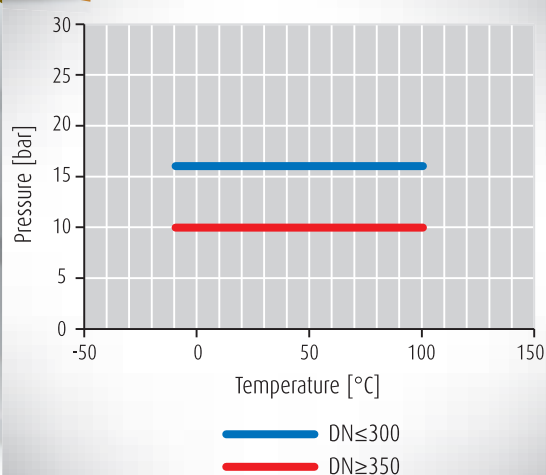
Single sphere flanged rubber flexible joint
Steel flanges according EN1092-1, PN16
Polyamide wired reinforced body
Steel ring reinforced body/flange joint
Steel flanges
TR CU 010 compliant

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

Working conditions

- ◆ Suitable for: water, -10°C to +100°C
below 0°C only for water with added antifreeze fluids
- ◆ Not suitable for: gases group 1 & 2, liquids group 1 (Dir. 2014/68/UE)

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



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