



flowing ideas



MIDDLE EAST CATALOGUE 2022



flowing ideas

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The force of a group that makes ideas flow

VIR was established in 1971 in Valduggia in the province of Vercelli, in the heart of the Cusio-Valsesia district. VIR – Valvoindustria Ing. Rizzio S.p.A., has its roots in the local tradition of bronze casting for the artisan production of bells and is perfectly integrated in a territory which is rated today amongst the major Italian valve and tap manufacturing centres.

VIR today is an international company with offices in three continents: in Europe, with its historical headquarters in the town of Valduggia (with three separate sites: the production, the warehouse and the foundry together with the plastic division); in North America with Red-White Valve Corp.; in Asia with its plant in Taizhou and its sales office in Shanghai, and in the Middle East with the Dubai office and warehouse. Fifty years of presence in the market, together with the creation of a new logistic centre in Valduggia in 2001, have made the VIR group an extremely competitive company, close to its customers' needs.



Our DNA

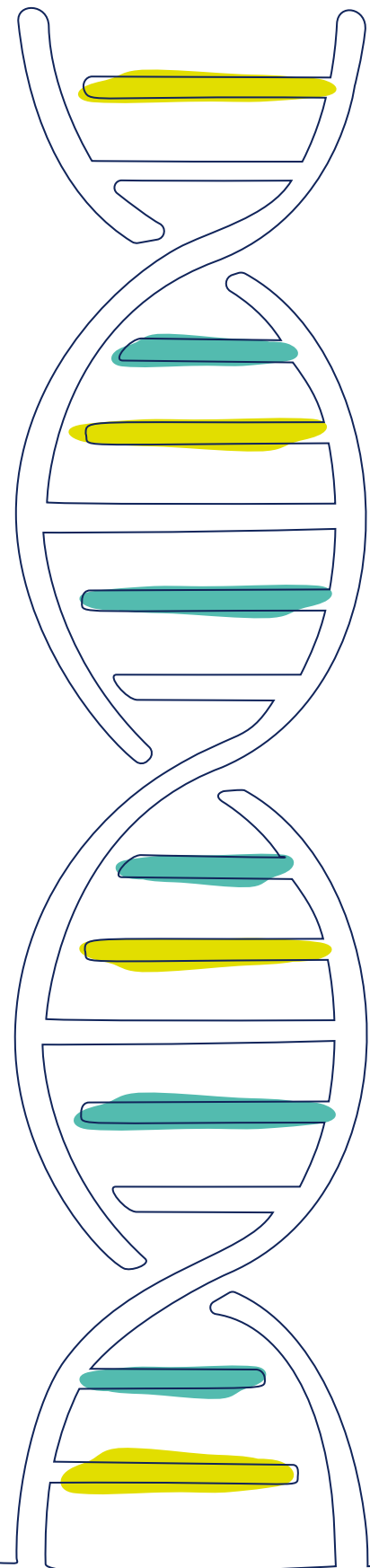
Started as a family business and now a successful international group, VIR has shaped its growth on the fundamental principles that have made it a dynamic business aware of the market needs.

VIR's great experience in control valves has its roots in a highly advanced technical department of fluid dynamics and in the location of its historical 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.

The next step, always in line with the constant attention to quality and innovation, will be the creation of the new Technological Centre in Valduggia.



BIM

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

The advantages of making a digitalized model are many. The digitalized model can become the keystone of cooperation between all the stakeholders of the building (system builders, architects, owners, and so on).

This allows for example:

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

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

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

VIR is BIM ready and offers a selection of families representing the most commonly used products in medium and large scale projects, which are increasingly being carried out following the BIM philosophy. These models can be downloaded on our website www.vironline.com



References



FAIRMONT HOTEL DUBAI - UAE - 2012 Heating/cooling system



REWAQ CORDOBA MALL - RIYADH, KSA



BARRAQUER EYE HOSPITAL, DUBAI



500 BEDS PROTOTYPE HOSPITAL - JIZAN, KSA



AXA INSURANCE HEADQUARTER - MANAMA, BAHRAIN





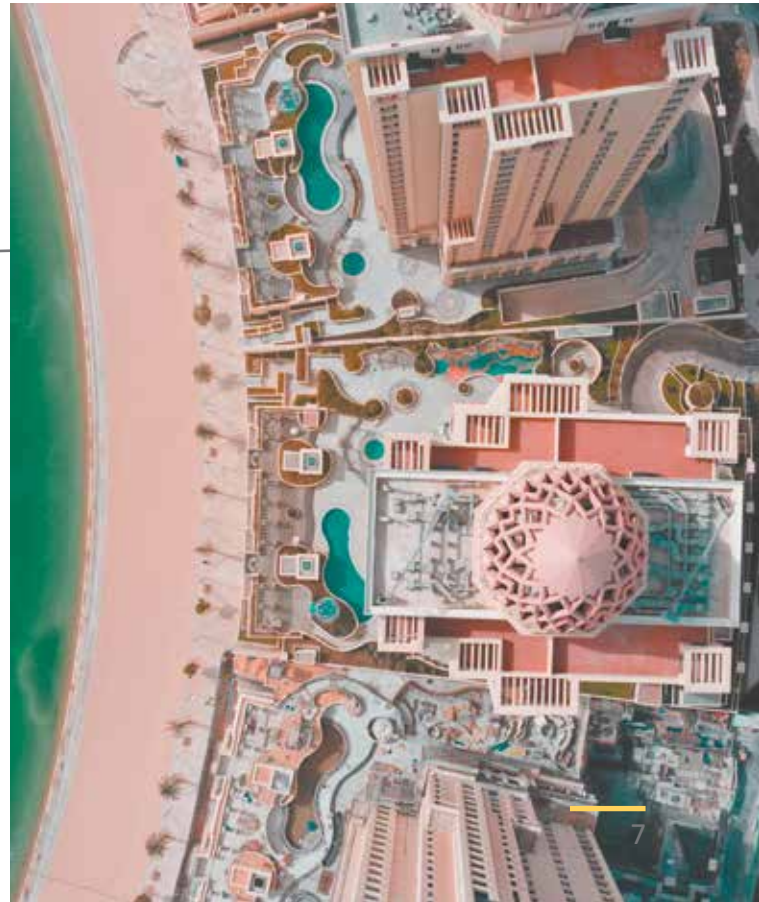
EMAAR - VIDA DUBAI MALL RESIDENCES, DUBAI

DEYAAR - BELLA ROSE - DUBAI



SOBHA HARTLAND - ONE PARK AVENUE - DUBAI

THE PEARL DOHA QATAR – 2008 Heating/cooling system



SAUDI PAVILLION - EXPO 2020 - DUBAI

VIR's quality is certified



EN331 - Europe



CSA - USA, Canada



TR CU 010 - Russia,
Belarus and Kazakhstan



NSF 61 e 372 - USA, Canada



STF - Finland



WRAS - UK



ACS - France



GDV - Denmark



IAPMO - USA



SINTEF - Norway



VA - Denmark



Water Supplies Department -
Hong Kong



UL - USA, Canada



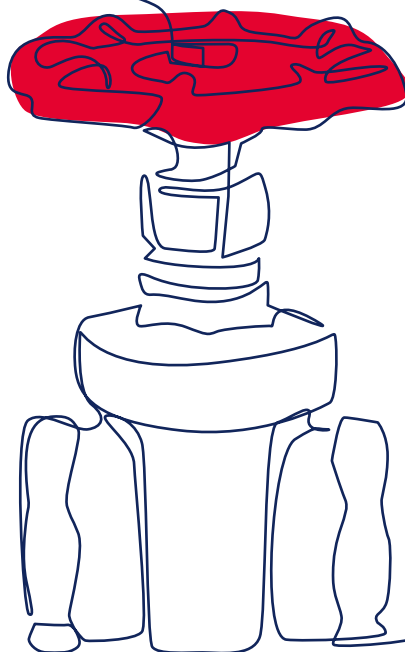
TSSA - Canada



FM - USA



CE PED - Europe

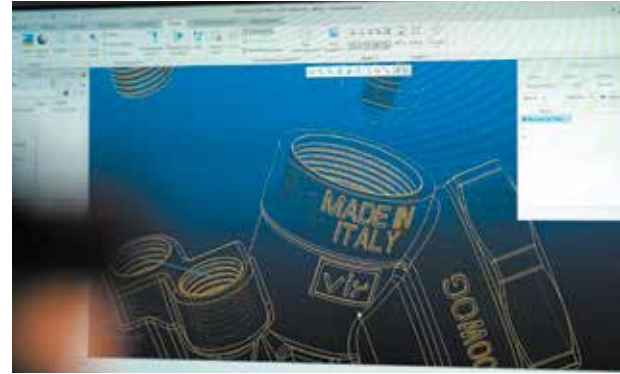


flowing ideas

VIR's customer satisfaction

VIR, strengthened by a solid know-how and fuelled by a constant flow of ideas, designs and produces innovative, high quality valves, thus allowing an adequate and competitive offer to their customers and the most demanding markets.

VIR will be the future protagonist of systems increasingly aimed at energy saving and the preservation of water and its quality, with modular and easy-to-connect installation solutions.



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FLEXIBLE JOINTS and AIR VENTS

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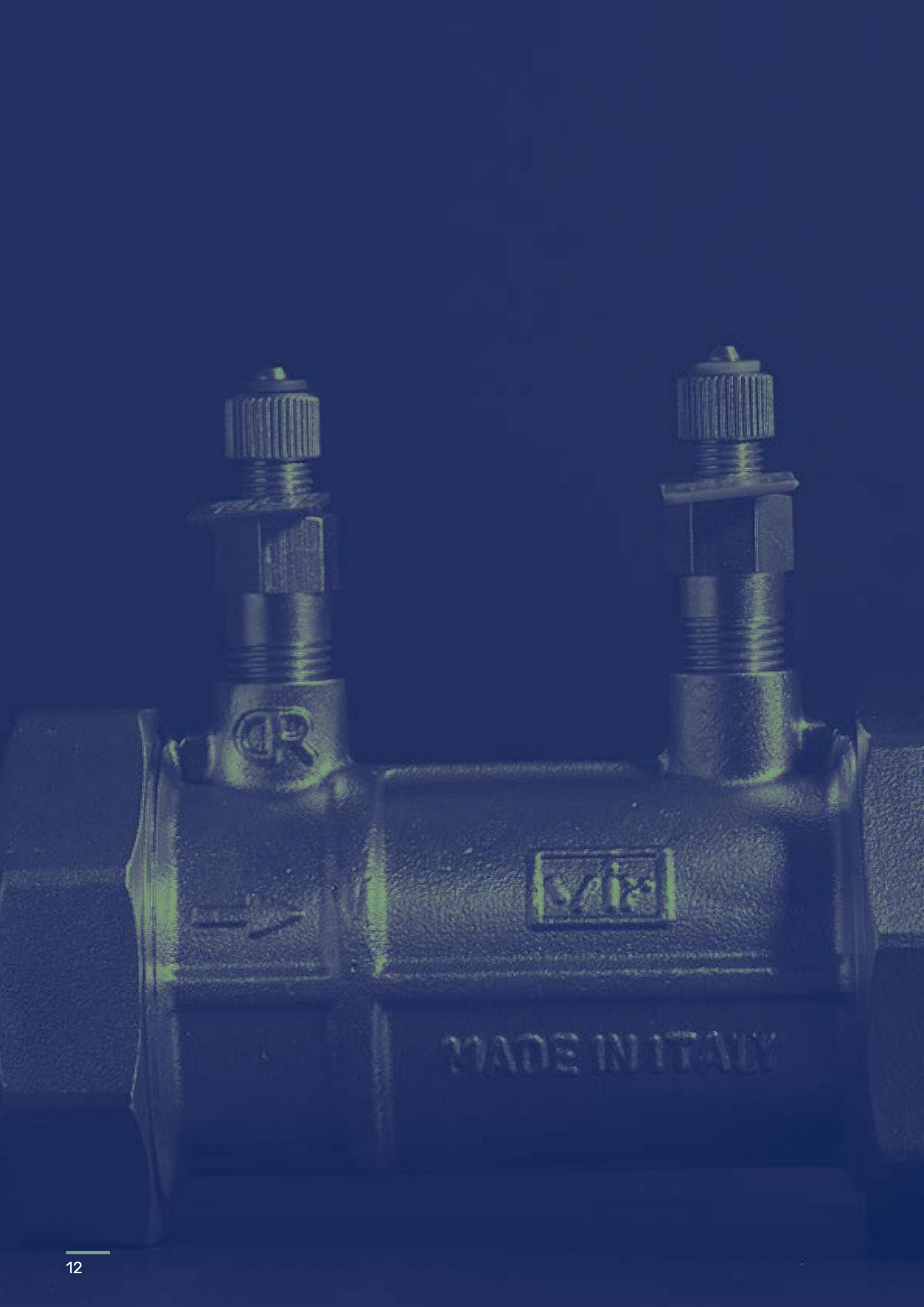
GAS

p.125



POLYPROPYLENE

p.131



KA9700001.800
24V_{DC} 50V/60Hz
1.5W 2.5VA
130N (29 lb)
8s/mm
IP54 T50
Feedback



CAUTION: Disconnect power supply before servicing



BLK	RED	GRY	ORNG
1	2	3	4
L(+) ~ (+) T Y U			



4351

IN ITALY

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)

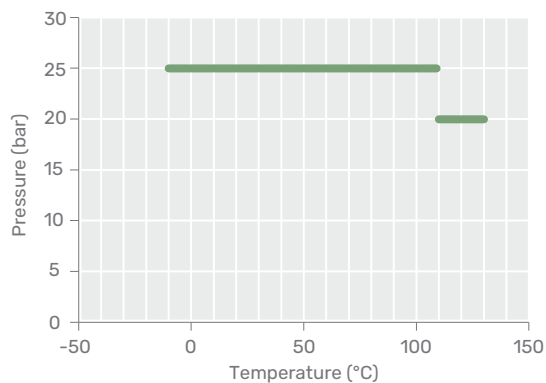
WRAS and TR CU 010 compliant
STF Version available on request

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

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
(Ethylene glycol or propylene glycol mixtures up to 50% may be used)

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F9505B010.946	010 - 3/8"	15	482	7,2
F9505B015.946	015 - 1/2"	15	544	8,2
F9505B020.946	020 - 3/4"	15	586	8,8
F9505B025.946	025 - 1"	10	722	7,2
F9505B032.946	032 - 1 1/4"	10	1105	11,1
F9505B040.946	040 - 1 1/2"	8	1493	11,9
F9505B050.946	050 - 2"	5	2030	10,2



FIXED ORIFICE DZR BRASS DOUBLE REGULATING VALVE

ERC



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

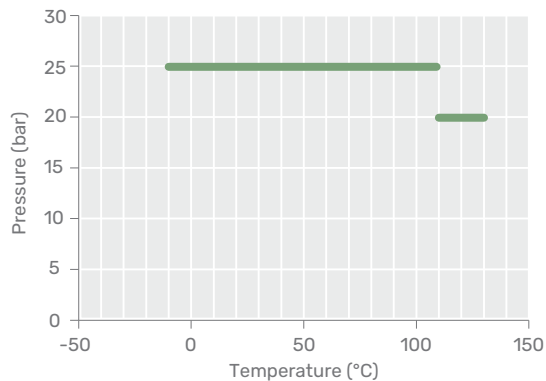
PN25 (Max 25bar up to 110°C, max 20bar above)

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F95V01015.1094	015 - 1/2"	15	582	8,7
F95V01020.1094	020 - 3/4"	10	644	6,4
F95V01025.870	025 - 1"	10	766	7,7
F95V01032.870	032 - 1 1/4"	8	1265	10,1
F95V01040.870	040 - 1 1/2"	6	1583	9,5
F95V01050.870	050 - 2"	5	2172	10,9

Version with copper pipe adaptors on request



FIXED ORIFICE BRONZE DOUBLE REGULATING VALVE

ERC



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

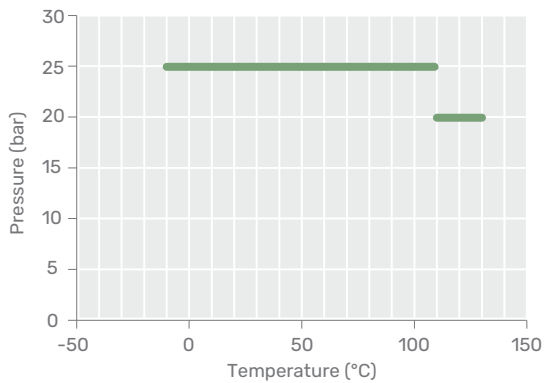
PN25 (Max 25bar up to 110°C, max 20bar above)

WORKING CONDITIONS

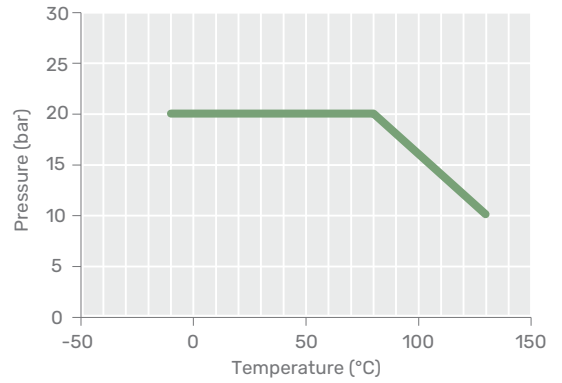
- Suitable for: water, -10°C to +130°C (120°C with O/N kit)
 below 0°C only for water with added antifreeze fluids
 over 100°C only for water with added anti-boiling fluids
 (Ethylene glycol or propylene glycol mixtures up to 50% may be used)

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F95Z01015.2039	015 - 1/2"	15	566	8,5
F95Z01020.2039	020 - 3/4"	10	630	6,3
F95Z01025.2033	025 - 1"	10	801	8,0
F95Z01032.2033	032 - 1 1/4"	8	1317	10,5
F95Z01040.2033	040 - 1 1/2"	6	1683	10,1
F95Z01050.2033	050 - 2"	5	2274	11,4

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)
 Tolerance on nominal Kv for fully open valve ±10%
 (test according to BS7350)
 Provided with mounted test points
 With threaded M30x1,5 connection for linear actuator
 TR CU 010 and WRAS compliant

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

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F95E00015.1934	015 - 1/2"	20	340	6,8
F95E00020.1934	020 - 3/4"	20	450	9,0
F95E00025.1934	025 - 1"	20	620	12,4
Vaurien Actuator, 230VAC version				
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				
KA952AT52.800	100N, up to DN20	1	100	0,1
KA952AT07.800	125N, all diameters	1	110	0,1



Optional Vaurien Actuator

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

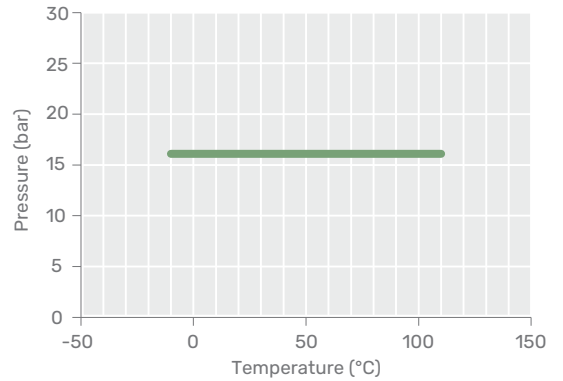
Power supply 50Hz or 60Hz
 Versions for 230VAC or 24V AC/DC available
 Normally closed (NC)
 Normally open (NO) version available on request
 Working temperature: 0°C to +60°C



9555P

VARIABLE ORIFICE CAST IRON DOUBLE REGULATING VALVE

ERC



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

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

PN16

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F95001040.1959	040 - 1 1/2"	1	6100	6,1
F95001050.1959	050 - 2"	1	8300	8,3
F95001065.1959	065 - 2 1/2"	1	13400	13,4
F95001080.1959	080 - 3"	1	17500	17,5
F95001100.1959	100 - 4"	1	24000	24,0
F95001125.1959	125 - 5"	1	34000	34,0
F95001150.1959	150 - 6"	1	48500	48,5
F95001200.1959	200 - 8"	1	114500	114,5
F95001250.1959	250 - 10"	1	159000	159,0
F95001300.1959	300 - 12"	1	210500	210,5
F95001350.3161	350 - 14"	1	375000	375,0
F95001400.3161	400 - 16"	1	510000	510,0
Spare handwheel				
KXV955040.2220	40-50	1	40	0,0
KXV955065.2220	65-150	1	118	0,1
KXV955200.2220	200-300	1	1000	1,0
KXV955350.2220	350-400	1	1850	1,9

9565P



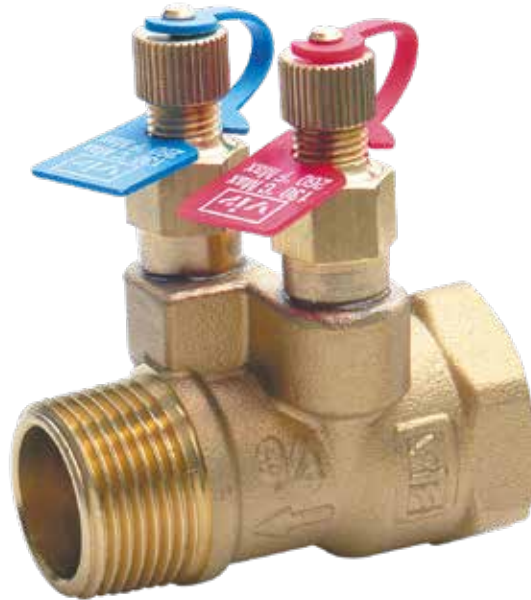
Fixed orifice double regulating valve Fig. 9565P is a kit composed of:
- Stainless steel wafer metering station Fig.9450
- Variable orifice cast iron double regulating valve Fig.9555P

Optional Fig. 9450 metering station

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F94500040.1073	040 - 1 1/2"	1	972	1,0
F94500050.1073	050 - 2"	1	1142	1,1
F94500065.1073	065 - 2 1/2"	1	1468	1,5
F94500080.1073	080 - 3"	1	1762	1,8
F94500100.1073	100 - 4"	1	1967	2,0
F94500125.1073	125 - 5"	1	2560	2,6
F94500150.1073	150 - 6"	1	2950	3,0
F94500200.1073	200 - 8"	1	4140	4,1
F94500250.1073	250 - 10"	1	5350	5,4
F94500300.1073	300 - 12"	1	6830	6,8
F94500350.1073	350 - 14"	1	12400	12,4
F94500400.1073	400 - 16"	1	14500	14,5

DZR BRASS METERING STATION

ERC



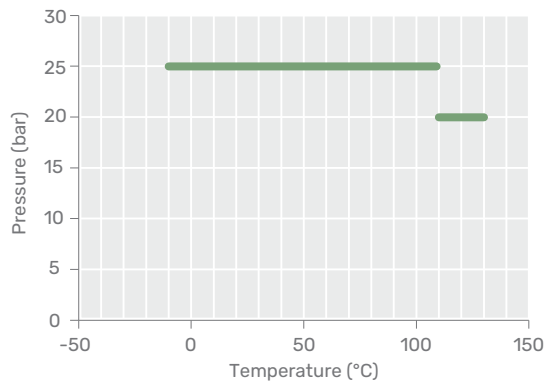
DZR brass metering station
 Threaded M/F ISO 7/1 Rp (F side threaded ISO 228/1 on DN15 and DN20)
 Design according to BS7350
 Tolerance on nominal Kvs $\pm 3\%$ (test according to BS7350)
 TR CU 010 compliant

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

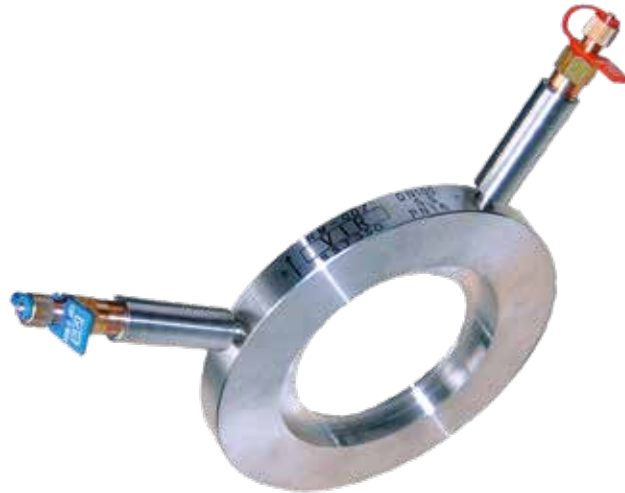
WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F95MS1015.1096	015 - 1/2"	25	213	5,3
F95MS1020.1096	020 - 3/4"	25	254	6,4
F95MS1025.707	025 - 1"	15	353	5,3
F95MS1032.707	032 - 1 1/4"	15	463	6,9
F95MS1040.707	040 - 1 1/2"	10	531	5,3
F95MS1050.707	050 - 2"	10	755	7,6



STAINLESS STEEL WAFER METERING STATION



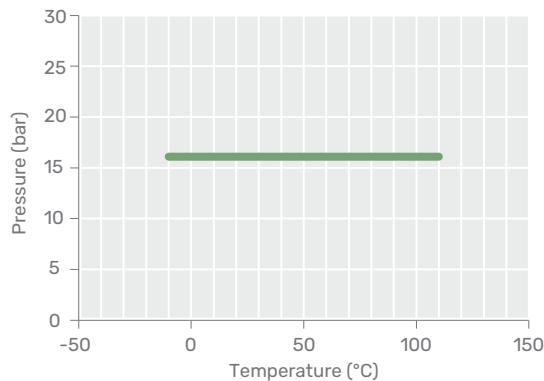
Stainless steel Wafer metering station
 For EN1092 PN16 flanges
 Design according to BS7350
 Tolerance on nominal Kvs $\pm 5\%$ (test according to BS7350)
 TR CU 010 compliant

PN16

WORKING CONDITIONS

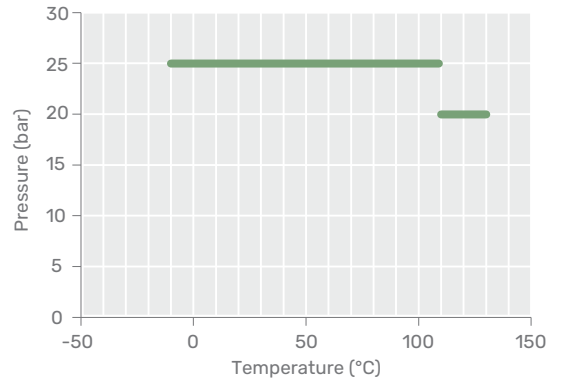
- Suitable for: water, -10°C to $+110^{\circ}\text{C}$
 below 0°C only for water with added antifreeze fluids
 over 100°C only for water with added anti-boiling fluids
 (Ethylene glycol or propylene glycol mixtures up to 50% may be used)

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F94500040.1073	040 - 1 1/2"	1	972	1,0
F94500050.1073	050 - 2"	1	1142	1,1
F94500065.1073	065 - 2 1/2"	1	1468	1,5
F94500080.1073	080 - 3"	1	1762	1,8
F94500100.1073	100 - 4"	1	1967	2,0
F94500125.1073	125 - 5"	1	2560	2,6
F94500150.1073	150 - 6"	1	2950	3,0
F94500200.1073	200 - 8"	1	4140	4,1
F94500250.1073	250 - 10"	1	5350	5,4
F94500300.1073	300 - 12"	1	6830	6,8
F94500350.1073	350 - 14"	1	12400	12,4
F94500400.1073	400 - 16"	1	14500	14,5
F94500450.2383	450 - 18"	1	17000	17,0
F94500500.2383	500 - 20"	1	21000	21,0
F94500600.2383	600 - 24"	1	35000	35,0



STRAIGHT DZR BRASS AUTOMATIC BALANCING VALVE

ERC



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

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

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)	Cartridge
F990V5015.1904	015 - 1/2"	25	375	9,4	MINI
F990V5H15.1904	H 015 - H 1/2"	25	523	13,1	SMALL
F990V5L20.1904	L 020 - L 3/4"	25	460	11,5	MINI
F990V5020.1904	020 - 3/4"	25	534	13,4	SMALL
F990V5025.1904	025 - 1"	25	656	16,4	SMALL
F990V5032.1904	032 - 1 1/4"	10	1554	15,5	MEDIUM
F990V5040.1904	040 - 1 1/2"	10	1530	15,3	MEDIUM
F990V5050.1904	050 - 2"	10	2064	20,6	MEDIUM
F990V5H50.1904	H 050 - H 2"	2	3650	7,3	LARGE
F990V5065.1904	065 - 2 1/2"	2	3872	7,7	LARGE

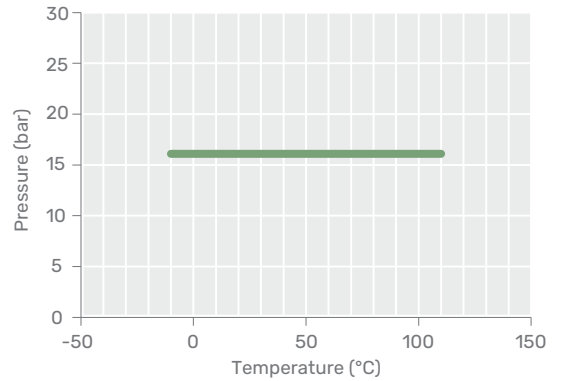
Ver. with plugs available (allow later mounting of test points): F990V0mis.1903

MINI			SMALL, STD range			SMALL, HP range			MEDIUM, STD range			MEDIUM, HP range			LARGE		
Modl	Flow (l/sec)	ΔP (kPa)	Modl	Flow (l/sec)	ΔP (kPa)	Modl	Flow (l/sec)	ΔP (kPa)	Modl	Flow (l/sec)	ΔP (kPa)	Modl	Flow (l/sec)	ΔP (kPa)	Modl	Flow (l/sec)	ΔP (kPa)
1202	0,02	15-170	2213	0,13	17-240	2318	0,18	29-440	4231	0,31	13-230	4341	0,41	26-420	6216	1,6	14-230
1203	0,03	16-220	2215	0,15	17-240	2320	0,20	32-440	4234	0,34	13-230	4346	0,46	26-420	6218	1,8	14-230
1204	0,04	16-220	2217	0,17	17-240	2323	0,23	33-440	4237	0,37	13-230	4351	0,51	26-420	6220	2,0	14-230
1205	0,05	16-220	2219	0,19	17-240	2327	0,25	33-440	4240	0,40	14-230	4355	0,55	27-420	6222	2,2	15-230
1206	0,06	16-220	2221	0,21	18-240	2329	0,29	33-440	4246	0,46	14-230	4362	0,62	27-420	6224	2,4	15-230
1207	0,07	16-220	2224	0,24	18-240	2332	0,32	33-440	4250	0,50	14-230	4368	0,68	27-420	6227	2,7	15-230
1208	0,08	16-220	2227	0,27	18-240	2336	0,36	33-440	4255	0,55	14-230	4374	0,74	27-420	6230	3,0	16-230
1209	0,09	16-220	2230	0,30	18-240	2340	0,40	33-440	4258	0,58	14-230	4379	0,79	27-420	6233	3,3	16-230
1210	0,10	16-220	2233	0,33	18-240	2345	0,45	33-440	4262	0,62	14-230	4383	0,83	27-420	6236	3,6	16-230
1211	0,11	17-220	2236	0,36	18-240	2350	0,50	33-440	4267	0,67	15-230	4391	0,91	28-420	6240	4,0	17-230
1212	0,12	17-220	2240	0,40	18-240	2355	0,55	34-440	4274	0,74	15-230	4310	1,00	28-420	6245	4,5	17-230
1213	0,13	17-220	2245	0,45	19-240	2361	0,61	36-440	4283	0,83	15-230	4311	1,11	28-420	6250	5,0	19-230
1214	0,14	17-220	2250	0,50	19-240	2368	0,68	36-440	4290	0,90	15-230	4312	1,20	29-420	6255	5,5	19-230
1215	0,15	17-220	2255	0,55	21-240	2375	0,75	36-440	4297	0,97	15-230	4313	1,30	29-420	6260	6,0	21-230
1216	0,16	17-220	2260	0,60	22-240	2380	0,80	36-440	4210	1,05	15-230	4314	1,39	29-420	6266	6,6	21-230
1218	0,18	18-220	2266	0,66	24-240	2386	0,86	40-440	4212	1,20	15-230	4316	1,64	30-420	6273	7,3	25-230
1220	0,20	19-220	2272	0,72	24-240	2395	0,95	40-440	4213	1,30	16-230	4318	1,75	31-420	6280	8,0	28-230
									4214	1,44	17-230	4319	1,90	31-420	6288	8,8	35-230
									4216	1,56	17-230	4321	2,06	32-420	6297	9,7	40-230
									4217	1,68	18-230	4322	2,23	34-420			
									4218	1,80	19-230	4324	2,40	35-420			
									4220	1,96	19-230	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).

DUCTILE IRON AUTOMATIC BALANCING VALVE

ERC



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

PN16

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)	Cartridge
F9955V065.2448	065 - 2 1/2"	1	4100	4,1	LARGE x 1
F9955V080.2448	080 - 3"	1	5600	5,6	LARGE x 1
F9955V100.2448	100 - 4"	1	8400	8,4	LARGE x 2
F9955V125.2448	125 - 5"	1	10600	10,6	LARGE x 3
F9955V150.2448	150 - 6"	1	12500	12,5	LARGE x 4
F9955V200.2448	200 - 8"	1	15800	15,8	LARGE x 7
F9955V250.2448	250 - 10"	1	22300	22,3	LARGE x 10
F9955V300.2448	300 - 12"	1	27700	27,7	LARGE x 14

Version PN25 available on request (.2449)

CARTRIDGE



LARGE		
Modl	Flow (l/sec)	ΔP (kPa)
6216	1,6	14-230
6218	1,8	14-230
6220	2,0	15-230
6222	2,2	15-230
6224	2,4	15-230
6227	2,7	16-230
6230	3,0	16-230
6233	3,3	16-230
6236	3,6	17-230
6240	4,0	17-230
6245	4,5	19-230
6250	5,0	19-230
6255	5,5	21-230
6260	6,0	21-230
6266	6,6	25-230
6273	7,3	28-230
6280	8,0	28-230
6288	8,8	35-230
6297	9,7	40-230

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 (KTT995000.2468).
Ordering codes for cartridges: KRR99Modl.1880 (available flows and model numbers as per table).

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

ERC

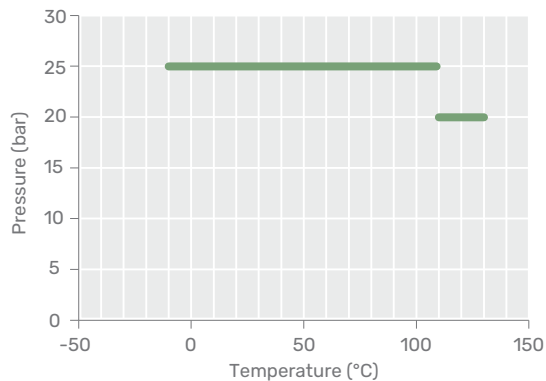


DZR brass ON/OFF differential pressure control valve (DPCV)
 Threaded F/F (ISO 7/1 Rp)
 Max differential pressure between inlet/outlet of the valve
 250kPa
 Different regulating ΔP ranges available, tolerance on nominal
 $\Delta P \pm 25\%$
 With copper capillary tube (length 1m) and test points included

PN25 (Max 20Bar above 110°C)

WORKING CONDITIONS

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



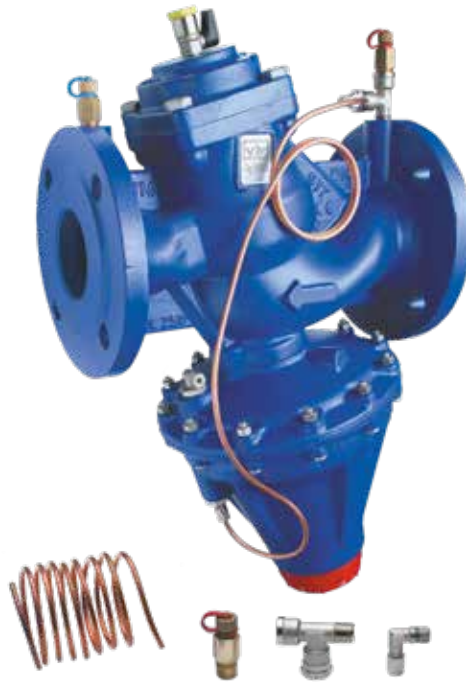
Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)	ΔP range
FBB00L015.2434	L 015 - L 1/2"	1	772	0,8	5-25 kPa
FBB000015.2434	015 - 1/2"	1	772	0,8	20-40 kPa
FBB00H015.2434	H 015 - H 1/2"	1	772	0,8	20-65 kPa
FBB00L020.2434	L 020 - L 3/4"	1	822	0,8	5-25 kPa
FBB000020.2434	020 - 3/4"	1	822	0,8	20-40 kPa
FBB00H020.2434	H 020 - H 3/4"	1	822	0,8	20-65 kPa
FBB00L025.2434	L 025 - L 1"	1	1772	1,8	5-25 kPa
FBB000025.2434	025 - 1"	1	1772	1,8	20-40 kPa
FBB00H025.2434	H 025 - H 1"	1	1772	1,8	20-65 kPa
FBB00L032.2434	L 032 - L 1 1/4"	1	1972	2,0	5-25 kPa
FBB000032.2434	032 - 1 1/4"	1	1972	2,0	20-40 kPa
FBB00H032.2434	H 032 - H 1 1/4"	1	1972	2,0	20-65 kPa
FBB00L040.2434	L 040 - L 1 1/2"	1	3272	3,3	5-25 kPa
FBB000040.2434	040 - 1 1/2"	1	3522	3,5	20-40 kPa
FBB00H040.2434	H 040 - H 1 1/2"	1	3622	3,6	35-75 kPa
FBB00U050.2434	U 050 - U 2"	1	4122	4,1	5-25 kPa
FBB00L050.2434	L 050 - L 2"	1	4322	4,3	20-40 kPa
FBB000050.2434	050 - 2"	1	4522	4,5	35-75 kPa
FBB00H050.2434	H 050 - H 2"	1	4822	4,8	60-100 kPa

Spare capillary tube kit

KCN960008.3212	1	112	0,1
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CAST IRON DIFFERENTIAL PRESSURE CONTROL VALVE

ERC



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

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

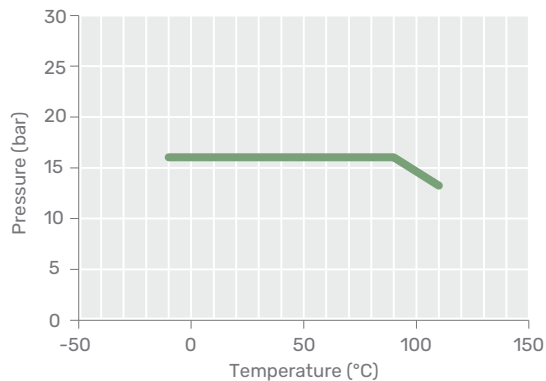
WORKING CONDITIONS

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

Vir Code	DN mm - inches	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
F9655H80.2499	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

Spare capillary tube kit

KCN965508.3212		1	240	0,2	
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9700, 9705, 9703

DZR BRASS PRESSURE INDEPENDENT CONTROL VALVE (PICV)



DZR brass pressure independent control valve (PICV)
Threaded M/M for union ends (ISO228/1) or F/F (ISO 7/1 Rp)
With differential pressure regulator for ΔP up to 400kPa
Flow accuracy: $\pm 5\%$ of max flow or $\pm 10\%$ of set flow, whichever is greater

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)

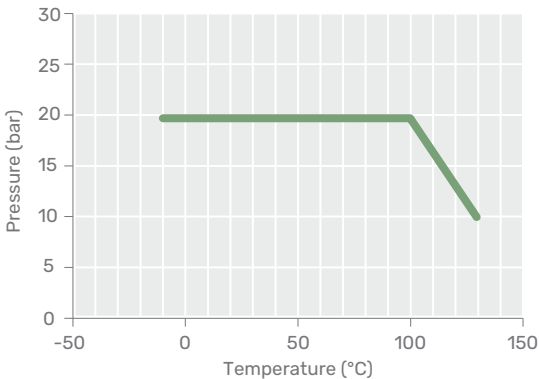
- Fig. 9703, F/F with test points

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

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

WORKING CONDITIONS

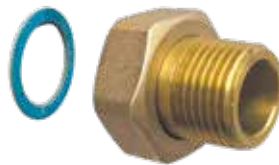
- Water: -10°C to +130°C
below 0°C only for water with added antifreeze fluids
over 100°C only for water with added anti-boiling fluids
(Ethylene glycol or propylene glycol mixtures up to 50% may be used)



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)	Flow (l/s)
Fig. 9700					
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	583	7,0	0,062-0,311
F97000025.2436	025 - 1"	8	1041	8,3	0,120-0,600
F97000032.2436	032 - 1 1/4"	4	1971	7,9	0,200-1,000
Fig. 9705					
F97050L15.2437	L 015 - L 1/2"	16	414	6,6	0,008-0,039
F97050015.2437	015 - 1/2"	16	414	6,6	0,030-0,150
F97050020.2437	020 - 3/4"	12	617	7,4	0,062-0,311
F97050025.2437	025 - 1"	8	1075	8,6	0,120-0,600
F97050032.2437	032 - 1 1/4"	4	2019	8,1	0,200-1,000
Fig. 9703					
F97030L15.3055	L 015 - L 1/2"	16	409	6,5	0,008-0,039
F97030015.3055	015 - 1/2"	16	409	6,5	0,030-0,150
F97030020.3055	020 - 3/4"	12	605	7,3	0,062-0,311
F97030025.3055	025 - 1"	8	1059	8,5	0,120-0,600
F97030032.3055	032 - 1 1/4"	4	2125	8,5	0,200-1,000

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
KBC9MI015.2517	015 - 1/2"	1	128	0,1
KBC9MI020.2517	020 - 3/4"	1	215	0,2
KBC9MI025.2517	025 - 1"	1	357	0,4
KBC9MI032.2517	032 - 1 1/4"	1	460	0,5



VAURIEN, VAURIEN M

PICV ACTUATOR FOR FIG. 9700, 9705 AND FIG. 9703



Linear thermoelectric actuator with threaded connection
M30x1,5 threaded nut with fast connection
With 1m electric wire
Enclosure protection IP54

AVAILABLE IN THE FOLLOWING VERSIONS:

- 2 point control, 230VAC
- 2 point control, 24V AC/DC
- 0-10VDC control signal, 24VAC

Power supply 50Hz or 60Hz

2 points control versions normally closed (NC)

(normally open (NO) version available on request)

Working temperature: 0°C to +60°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Vaurien Actuator, 230VAC version				
KA952AT50.800	100N, up to DN20	1	115	0,1
KA952AT05.800	125N, all diameters	1	110	0,1
Vaurien Actuator, 24V AC/DC version				
KA952AT52.800	100N, up to DN20	1	115	0,1
KA952AT07.800	125N, all diameters	1	110	0,1
Vaurien Actuator, 24VAC modulating version				
KA952AT09.800	100N, up to DN20	1	111	0,1
KA952AT10.800	125N, DN25-DN32	1	111	0,1
KA952AT11.800	125N, all diameters	1	111	0,1



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 IP54
Power supply 50Hz or 60Hz, 24V AC/DC, power 1,5W
0-10V control signal, position feedback
(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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Vaurien-M Actuator				
KA9700001.800	130N	1	285	0,3
Version with electrical fail safe				
KA9700002.800	130N	1	200	0,2
KA9700002.800 configurator				
KA970CON2.800	130N	1	265	0,2

CAST IRON PRESSURE INDEPENDENT CONTROL VALVE (PICV)

EAC



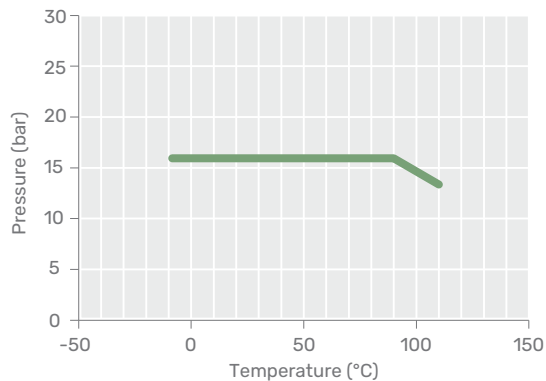
Cast iron pressure independent control valve (PICV)
 Flanged PN16 according to EN1092-2 (ex DIN2533)
 With differential pressure regulator for ΔP up to 400kPa
 Tolerance on nominal regulated flow $\pm 10\%$
 With 0-10VDC modulating actuator, power supply 50Hz/60Hz 24V AC/DC
 (IP54, 3,5W, travel 90° in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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)	Flow (l/s)
F97550065.2712	065 - 2 1/2"	1	25000	25,0	2.39-7.22
F97550080.2712	080 - 3"	1	27900	27,9	3.17-10.0
F97550100.2712	100 - 4"	1	35300	35,3	6.44-22.9
F97550125.2712	125 - 5"	1	48100	48,1	8.81-34.7
F97550150.2712	150 - 6"	1	77100	77,1	12.4-44.4

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

WORKING CONDITIONS

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



9610 - 9610DR

DIRECT-ACTING DZR BRASS PRESSURE REDUCING VALVE

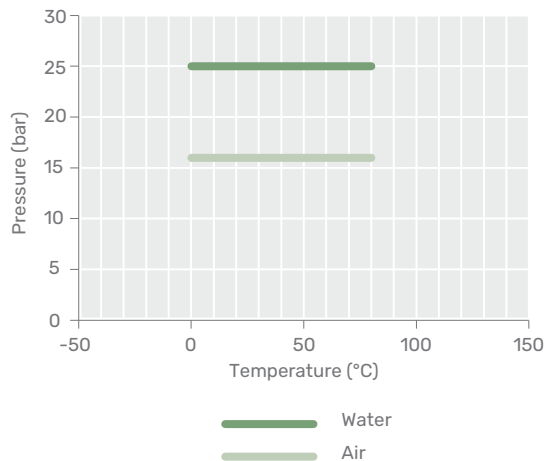


Direct-acting DZR brass pressure reducing valve
 Threaded F/F (ISO 228/1)
 Available in the following version:
 - Fig. 9610, brass version
 - Fig. 9610DR, DZR brass version
 Testing according to DIN EN1567
 Max pressure reduction ratio 10:1
 Downstream setting pressure range from 0,5bar to 6bar
 (from 1,5bar to 6,0bar for DN≥32)
 Piston type, pressure compensation system
 With threaded F (¼" ISO 228/1) pressure gauge connection
 TR CU 010 compliant
 WRAS compliant (9610DR only)

PN25 (PN16 when used with air)

WORKING CONDITIONS

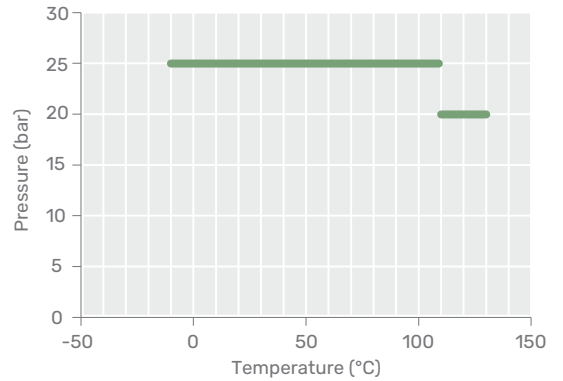
- Suitable for: water, 0°C to +80°C
- Suitable for: air, 0°C to +80°C



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)	Flow (l/s)
9610					
F96100015.3016	015 - 1/2"	30	790	23,7	0,5-3,0
F96100020.3016	020 - 3/4"	30	860	17,2	1,0-4,8
F96100025.3016	025 - 1"	15	1340	20,1	2,0-6,0
F96100032.3016	032 - 1 1/4"	6	2090	12,5	4,0-8,0
F96100040.3016	040 - 1 1/2"	6	2180	13,1	4,5-8,5
F96100050.3016	050 - 2"	4	3100	9,3	7,5-10
F96100065.3016	065 - 2 1/2"	4	4100	16,4	8,5-11
F96100080.3016	080 - 3"	2	5520	11,0	10-13,2
F96100100.3016	100 - 4"	2	6970	13,9	12-15,6
9610DR					
F96100015.2718	015 - 1/2"	30	790	23,7	0,5-3,0
F96100020.2718	020 - 3/4"	30	860	17,2	1,0-4,8
F96100025.2718	025 - 1"	15	1340	20,1	2,0-6,0
F96100032.2718	032 - 1 1/4"	6	2090	12,5	4,0-8,0
F96100040.2718	040 - 1 1/2"	6	2180	13,1	4,5-8,5
F96100050.2718	050 - 2"	4	3100	9,3	7,5-10
F96100065.2718	065 - 2 1/2"	4	4100	16,4	8,5-11
F96100080.2718	080 - 3"	2	5520	11,0	10-13,2
F96100100.2718	100 - 4"	2	6970	13,9	12-15,6

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
 WRAS compliant

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
KDV950008.1151	Red tie	40	160	6,4

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

WORKING CONDITIONS

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



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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 95TP, short version				
KC95TP008.710	Blue tie	10	32	0,3
KC95TP008.711	Red tie	10	32	0,3

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

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 95TP, long version				
KPR95TP08.2282	Blue tie	10	93	0,9
KPR95TP08.2283	Red tie	10	93	0,9

T650

DIFFERENTIAL PRESSURE SENSOR



T650 Bluetooth differential pressure sensor
With flow calculation App running on smartphone (not included)
App requires at least Android 7.0 / iOS 10.3
Enclosure protection IP65
1000kPa pressure range

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
KMMMAND04.720	-	1	1800	1,8
Spare measuring needles for VIR test points				
KMM2AG000.1451	-	1	300	0,3
Spare hoses for differential manometer				
KMMCAVIBR.1452	-	1	150	0,2

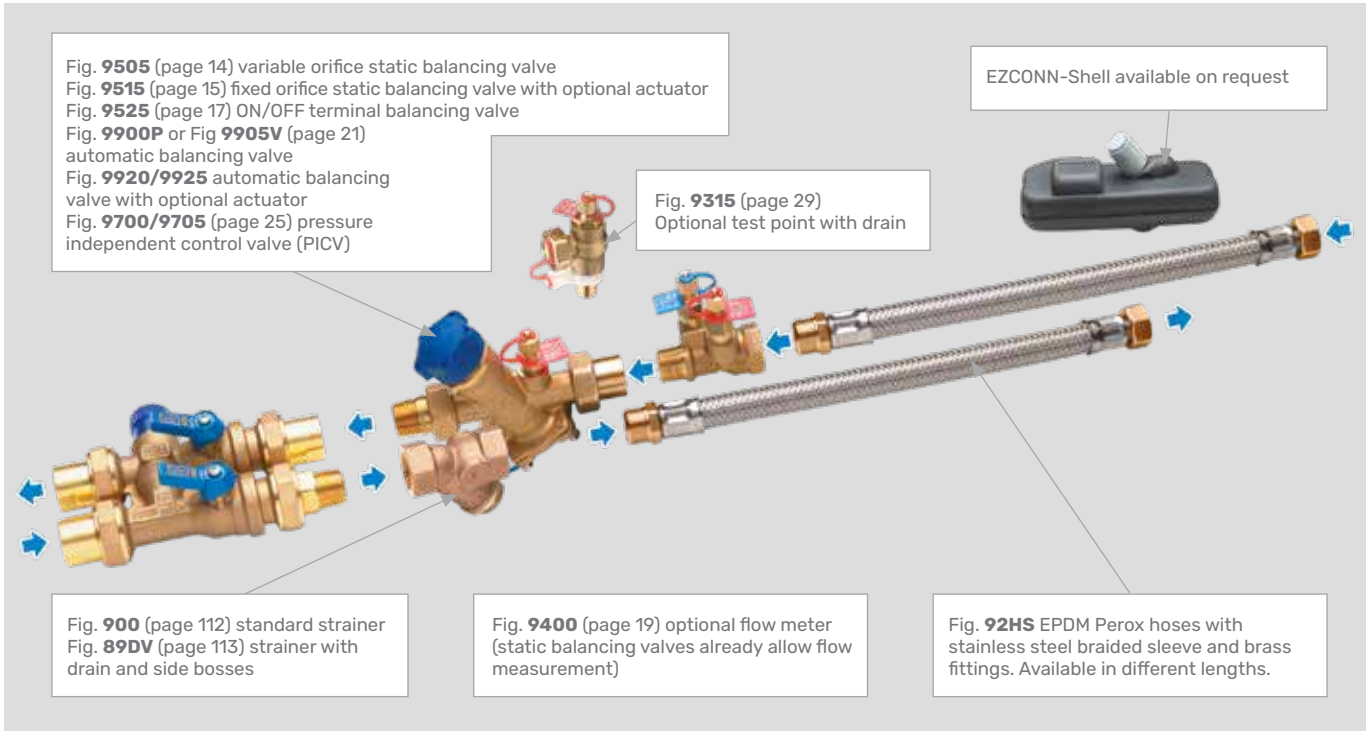




EZCONNECT

EZCONNECT

CONNECTION KIT FOR TERMINAL UNITS



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

They feature:

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

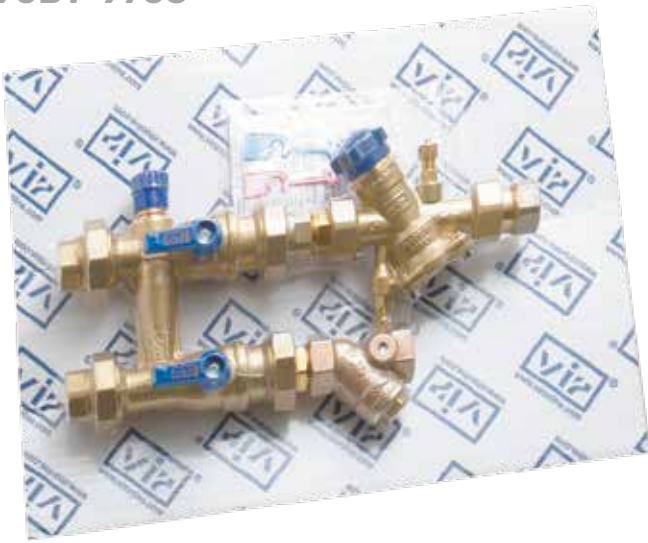
Each kit can be individually shrink wrapped for easier on-site logistics.



EZCONNECT

CONNECTION KIT FOR TERMINAL UNITS

90BY-9705



- EzConnect kit for terminal units including
- Fig. 90BY valve for HVAC terminal units mounting
 - Fig. 900 standard strainer
 - Fig. 9705 pressure independent control valve (PICV)

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

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
JLP211030.4	015 ₀₄₀ - 1/2" ₀₄₀	1	1795	1,9
JLP311032.4	020 ₀₄₀ - 3/4" ₀₄₀	1	2417	2,5
JLP321030.4	020 ₀₈₀ - 3/4" ₀₈₀	1	3042	3,2
JLP421032.4	025 ₀₈₀ - 1" ₀₈₀	1	3982	4,0

90BY-9515



- EzConnect kit for terminal units including
- Fig. 90BY valve for HVAC terminal units mounting
 - Fig. 900 standard strainer
 - Fig. 9515 fixed orifice DRV

PN20

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
JLF411030.4	015 ₀₄₀ - 1/2" ₀₄₀	1	1963	1,9
JLF511032.4	020 ₀₄₀ - 3/4" ₀₄₀	1	2444	2,4
JLF521030.4	020 ₀₈₀ - 3/4" ₀₈₀	1	3690	2,9
JLF621032.4	025 ₀₈₀ - 1" ₀₈₀	1	4490	3,3

EZCONNECT

CONNECTION KIT FOR TERMINAL UNITS

90BY-9525



- EzConnect kit for terminal units including
- Fig. 90BY valve for HVAC terminal units mounting
 - Fig. 900 standard strainer
 - Fig. 9525 terminal balancing valve

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

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
JLE411030.4	015 ₀₄₀ - 1/2" ₀₄₀	1	1626	1,6
JLE511032.4	020 ₀₄₀ - 3/4" ₀₄₀	1	2150	2,2
JLE521030.4	020 ₀₈₀ - 3/4" ₀₈₀	1	2703	2,7
JLE621032.4	025 ₀₈₀ - 1" ₀₈₀	1	3050	3,2

EZCONN-Shell



- Each kit can be provided with:
- Stem extension kits (for 90BY levers and TPs)
 - Actuators (only for kits with 9705 and 9525)
 - Insulating shells
 - Flexible hoses (model 92HS)

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
KSHJPL200.2882	015 ₀₄₀ - 1/2" ₀₄₀	1	65	0,0
KSHJPL301.2882	020 ₀₄₀ - 3/4" ₀₄₀	1	100	0,0
KSHJPL300.2882	020 ₀₈₀ - 3/4" ₀₈₀	1	100	0,0
KSHJPL400.2882	025 ₀₈₀ - 1" ₀₈₀	1	100	0,0

90BY

VALVE FOR HVAC TERMINAL UNITS MOUNTING

ERC



Valve for HVAC terminal units mounting (fan coils, heat exchangers and so on)

Available in the following versions:

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

Air testing according to EN12266-1

Available in 40mm or 80mm center to center version

One piece body with integral by-pass channel

Blow-out proof stems

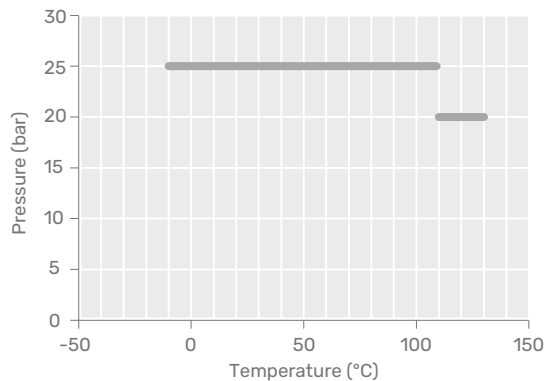
TR CU 010 compliant

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

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Version with union ends				
F90BY0015.2256	015 ₀₄₀ - 1/2" ₀₄₀	1	759	1,1
F90BY0020.2256	020 ₀₈₀ - 3/4" ₀₈₀	1	1910	2,0
Version without union ends				
F90BY0015.2257	015 ₀₄₀ - 1/2" ₀₄₀	1	715	0,7
F90BY0020.2257	020 ₀₈₀ - 3/4" ₀₈₀	1	1330	1,3



OPTIONAL SINGLE UNION END AND KIT OF STEM EXTENSIONS



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F threaded connection (ISO 228/1)				
KBC325015.2289	015 x 015 ₀₄₀	1	108	0,1
KBC92D015.2086	015 x 020 ₀₈₀	1	133	0,1
KBC92D020.2086	020 x 020 ₀₈₀	1	145	0,1



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
M threaded connection (ISO 7/1 Rp)				
KBC90B015.2288	015 x 015 ₀₄₀	1	110	0,1
KBC92D015.2087	015 x 020 ₀₈₀	1	113	0,1
KBC90B020.2288	020 x 015 ₀₄₀	1	106	0,1
KBC92D020.2087	020 x 020 ₀₈₀	1	143	0,1
KBC92D025.2087	025 x 020 ₀₈₀	1	158	0,2



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Stem extensions				
KPR90B015.2131	015 x 015 ₀₄₀	1	89	0,1
KPR90B020.2131	015 x 020 ₀₈₀	1	111	0,1

92HS

CONNECTION FLESSIBLE HOSES



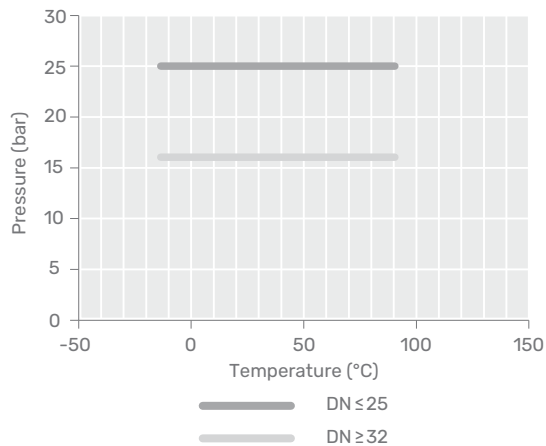
Flessible hose
Threaded connection M ISO 7/1 R and F with swivel nut ISO 228/1
EPDM hoses with stainless steel braided sleeve
DZR brass fitting with EPDM perox gasket
Length of 12" (300mm) and 24" (600mm)

PN25 for DN≤25
PN16 for DN≥32

WORKING CONDITIONS

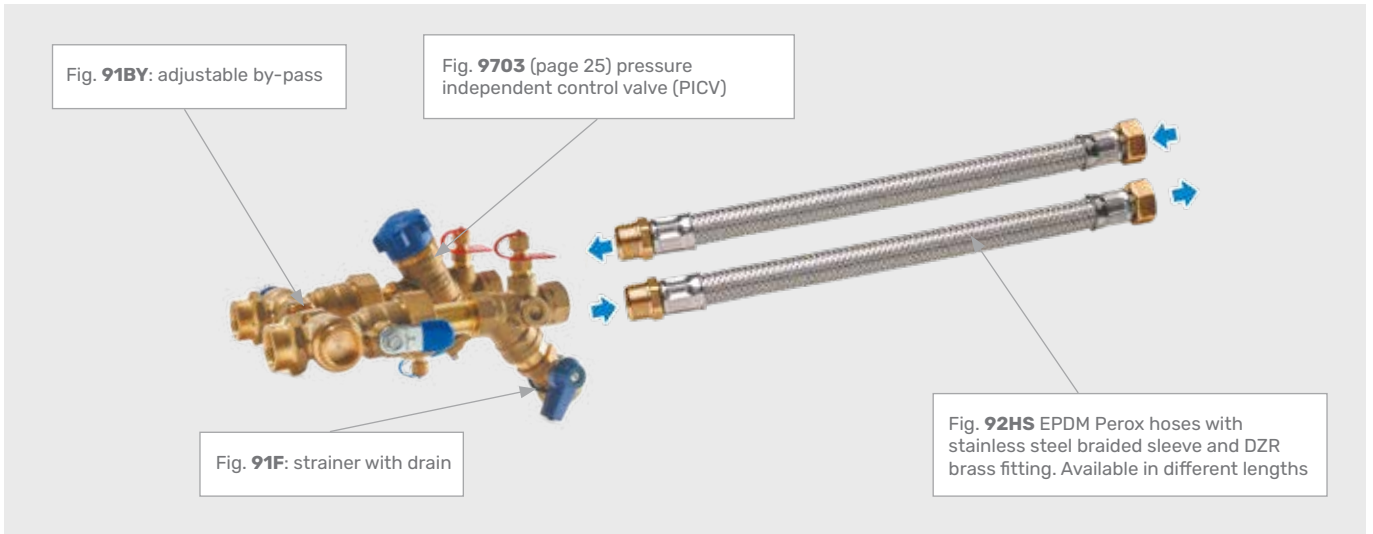
- Suitable for: water, -5°C to +90°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
KCN9H0015.2801	015 - 1/2"	1	250	0,3
KCN9H0020.2801	020 - 3/4"	1	440	0,4
KCN9H0025.2801	025 - 1"	1	700	0,7
KCN9H0032.2801	032 - 1 1/4"	1	890	0,9



EZCONNECT

CONNECTION KIT FOR TERMINAL UNITS



Connection kits can be configured as needed and provided shrink wrapped. Examples of possible configurations as per above figure.



91BY - 9703

CONNECTION KIT FOR TERMINAL UNITS



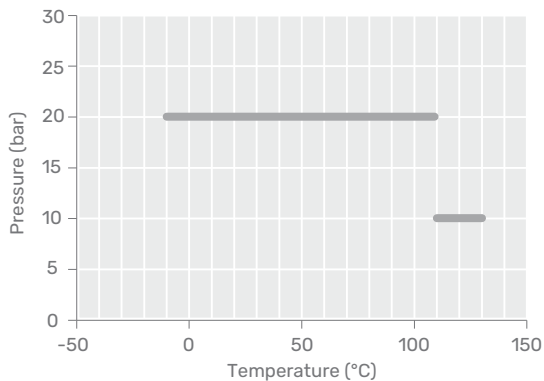
- Fig. 91BY Valve for HVAC terminal units mounting (fan coils, heat exchangers and so on)
- Fig. 91F DRZ brass filter
- Fig. 9703 F/F PICV

PN20 (Max 20bar up to 110°C, max 10bar above)

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
JLQ2A5030.3	015 - 1/2"	1	1704	1,7
JLQ2A5034.3	020 - 3/4"	1	1915	1,9
JLQ3A5032.3	020 - 3/4"	1	2020	2,0
JLQ3B5030.3	020 - 3/4"	1	2383	2,4
JLQ3B5034.3	025 - 1"	1	3105	3,1
JLQ4B5032.3	025 - 1"	1	3820	3,8





SHUT-OFF

FULL PORT BRASS BALL VALVE



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

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

WORKING CONDITIONS

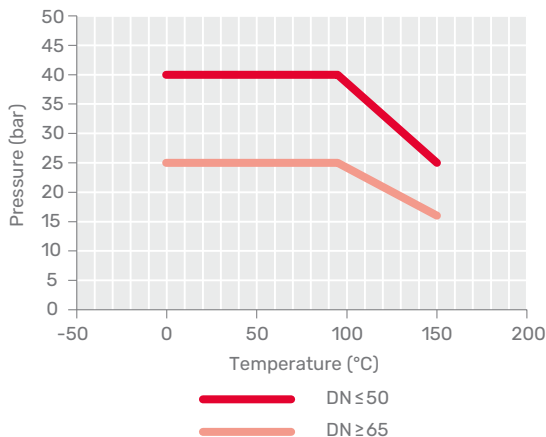
- Suitable for: water, 0°C to +150°C
- Suitable for: air, -10°C to +150°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Lever handle version				
F3400V008.1596	008 - 1/4"	125	107	13,4
F3400V010.1596	010 - 3/8"	125	117	14,6
F3400V015.1596	015 - 1/2"	90	214	19,3
F3400V020.1596	020 - 3/4"	60	305	18,3
F3400V025.1596	025 - 1"	35	514	18,0
F3400V032.1596	032 - 1 1/4"	25	823	20,6
F3400V040.1596	040 - 1 1/2"	16	1219	19,5
F3400V050.1596	050 - 2"	8	1848	14,8
F3400V065.1596	065 - 2 1/2"	6	3308	19,8
F3400V080.1596	080 - 3"	4	5292	21,2
F3400V100.1596	100 - 4"	2	8360	16,7

Version with red lever handle available on request (F3400Vmis.153)

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Butterfly handle version				
F3400V008.1665	008 - 1/4"	125	88	11,0
F3400V010.1665	010 - 3/8"	125	98	12,3
F3400V015.1665	015 - 1/2"	90	186	16,7
F3400V020.1665	020 - 3/4"	60	276	16,6
F3400V025.1665	025 - 1"	35	467	16,3
F3400V032.1665	032 - 1 1/4"	25	774	19,4
F3400V040.1665	040 - 1 1/2"	16	1150	18,4
F3400V050.1665	050 - 2"	8	1740	13,9

Version with red butterfly handle available on request (F3400Vmis.157)



FULL PORT BRASS BALL VALVE WITH DRAIN



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

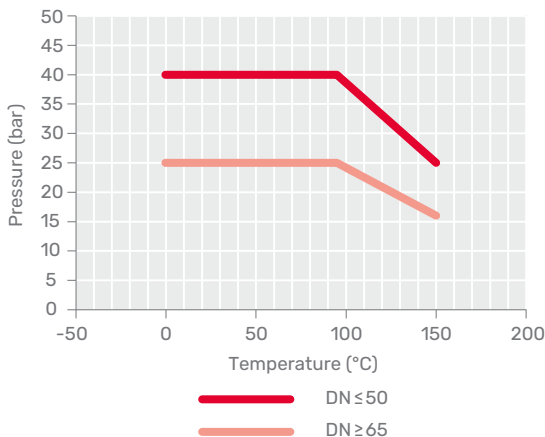
PN40 (Max 40bar up to 95°C, max 25bar at 150°C)

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Lever handle version				
F3420A015.131	015 - 1/2"	80	293	23,4
F3420A020.131	020 - 3/4"	40	377	15,1
F3420A025.131	025 - 1"	40	590	23,6
F3420A032.131	032 - 1 1/4"	20	880	17,6
F3420A040.131	040 - 1 1/2"	16	1295	20,7
F3420A050.131	050 - 2"	8	1927	15,4

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Butterfly handle version				
F3420A015.133	015 - 1/2"	80	269	21,5
F3420A020.133	020 - 3/4"	40	357	14,3
F3420A025.133	025 - 1"	40	551	22,0
F3420A032.133	032 - 1 1/4"	20	800	16,0
F3420A040.133	040 - 1 1/2"	16	1300	20,8
F3420A050.133	050 - 2"	8	1880	15,0



33FF

FULL PORT BRASS BALL VALVE WITH REVERSIBLE HANDLE



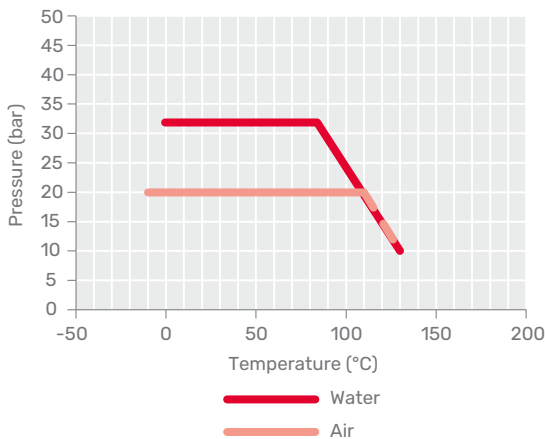
Nickel plated full port brass ball valve
Threaded F/F (ISO 228/1)
Threads and internal parts not plated
Air testing according to EN12266-1
Chromium plated ball, PTFE seats
Blow-out proof stem, FKM + NBR stem O-rings
Reversible handle
WRAS and TR CU 010 compliant

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

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Lever handle version				
F33FF0010.2572	010 - 3/8"	125	85	10,6
F33FF0015.2572	015 - 1/2"	100	165	16,5
F33FF0020.2572	020 - 3/4"	70	240	16,8
F33FF0025.2572	025 - 1"	40	400	16,0
F33FF0032.2572	032 - 1 1/4"	25	565	14,1
F33FF0040.2572	040 - 1 1/2"	20	835	16,7
F33FF0050.2572	050 - 2"	10	1325	13,3
Butterfly handle version				
F33FFF015.2578	015 - 1/2"	100	154	15,4
F33FFF020.2578	020 - 3/4"	70	229	17,2
F33FFF025.2578	025 - 1"	40	381	15,2
F33FFF032.2578	032 - 1 1/4"	25	546	13,7



33MF

FULL PORT BRASS BALL VALVE WITH REVERSIBLE HANDLE



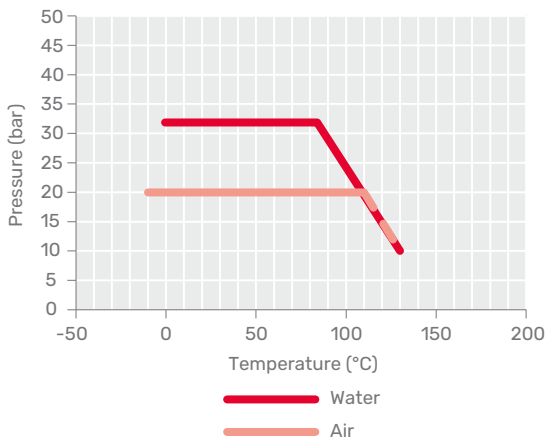
Nickel plated full port brass ball valve
Threaded M/F (ISO 228/1)
Threads and internal parts not plated
Air testing according to EN12266-1
Chromium plated ball, PTFE seats
Blow-out proof stem, FKM + NBR stem O-rings
Reversible handle
WRAS and TR CU 010 compliant

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

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Lever handle version				
F33MF0010.2574	010 - 3/8"	125	90	11,3
F33MF0015.2574	015 - 1/2"	75	170	12,8
F33MF0020.2574	020 - 3/4"	50	260	13,0
F33MF0025.2574	025 - 1"	30	425	12,8
F33MF0032.2574	032 - 1 1/4"	20	600	12,0
F33MF0040.2574	040 - 1 1/2"	12	845	10,1
F33MF0050.2574	050 - 2"	8	1380	11,0
Butterfly handle version				
F33MFF015.2580	015 - 1/2"	75	170	12,8
F33MFF020.2580	020 - 3/4"	50	260	13,0
F33MFF025.2580	025 - 1"	30	425	12,8
F33MFF032.2580	032 - 1 1/4"	20	600	12,0



340LN

FULL PORT "LONG NECK" BRASS BALL VALVE



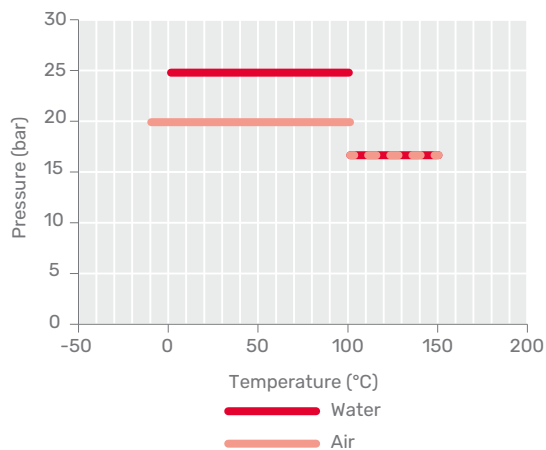
Full port "long neck" brass ball valve
Threaded F/F (ISO 228/1)
Air testing according EN12266-1
Adjustable packing
ACS and VA compliant

PN25 (Max 25bar up to 110°C, max 16bar above)
When used with air max 20bar up to 110°C, max 16bar above

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F34LOF010.145	010 - 3/8"	75	225	16,9
F34LOF015.145	015 - 1/2"	50	300	15,0
F34LOF020.145	020 - 3/4"	40	395	15,8
F34LOF025.145	025 - 1"	25	630	15,8
F34LOF032.145	032 - 1 1/4"	15	900	13,5
F34LOF040.145	040 - 1 1/2"	10	1370	13,7
F34LOF050.145	050 - 2"	6	1945	11,7



340LD

FULL PORT "LONG NECK" BRASS BALL VALVE WITH DRAIN



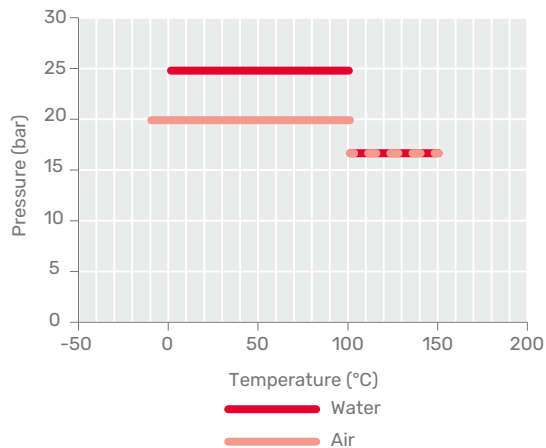
Full port "long neck" brass ball valve with drain
Threaded F/F (ISO 228/1)
Air testing according EN12266-1
Adjustable packing

PN25 (Max 25bar up to 110°C, max 16bar above)
When used with air max 20bar up to 110°C, max 16bar above

WORKING CONDITIONS

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

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



350TAB

LF BRASS FULL PORT BALL VALVE



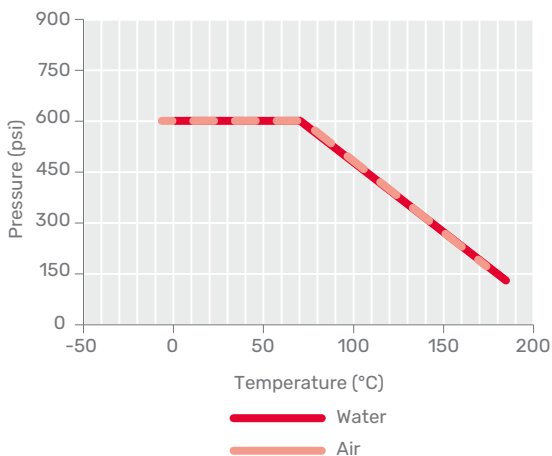
Lead free brass body
 Threaded ends (ASME B1.20.1-NPT)
 Chrome plated ball
 Virgin PTFE seats
 Blow-out proof stem
 UL, FM, CSA and TR CU 010 compliant
 NSF/ANSI 61 & 372

600WOG (Max 600psi up to 70°C, max 150psi at 185°C)

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F340ET008.1657	008 - 1/4"	80	153	12,2
F340ET010.1657	010 - 3/8"	80	140	11,2
F340ET015.1657	015 - 1/2"	80	257	20,6
F340ET020.1657	020 - 3/4"	60	381	22,9
F340ET025.1657	025 - 1"	35	621	21,7
F340ET032.1657	032 - 1 1/4"	20	980	19,6
F340ET040.1657	040 - 1 1/2"	15	1418	21,3
F340ET050.1657	050 - 2"	10	2224	22,2
F340ET065.1657	065 - 2 1/2"	6	4487	26,9
F340ET080.1657	080 - 3"	4	6611	26,4
F340ET100.1657	100 - 4"	2	9391	18,8



340GS, 343GS

FULL PORT BRASS BALL VALVE WITH SEALABLE SQUARE TOP

ERC



Full port brass ball valve

Available in the following versions:

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

Air testing according to EN12266-1

Chromium plated ball, PTFE seats

Blow-out proof stem, FKM stem O-rings

With 20mm sealable square top

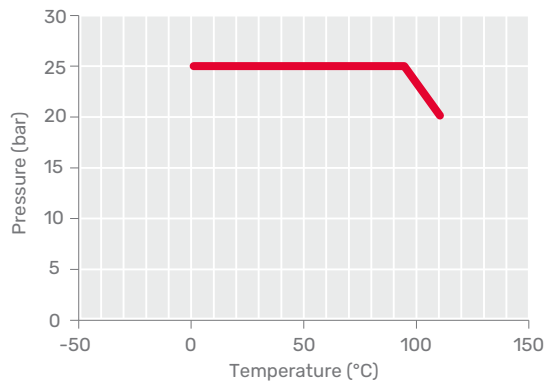
TR CU 010 compliant

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

WORKING CONDITIONS

- Suitable for: water, 0°C to +110°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 340GS				
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				
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



340J

FULL PORT GROOVED BRASS BALL VALVE

ERC



Full port brass ball valve
Grooved (ANSI/AWWA C606)
Design according to MSS-SP110
Air testing according to EN12266-1
Blow-out proof stem, adjustable packing

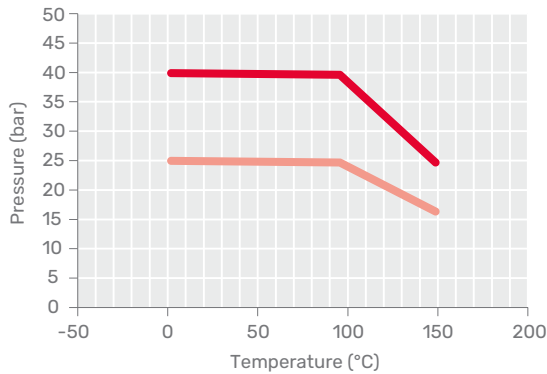
PN40 for DN≤50 (Max 40bar up to 95°C, max 25bar at 150°C)
PN25 for DN≥65 (Max 25bar up to 95°C, max 16bar at 150°C)

WORKING CONDITIONS

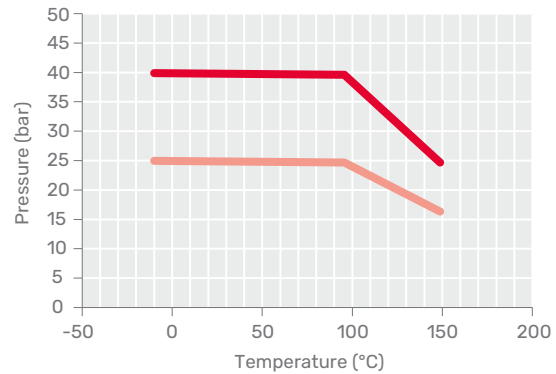
- Suitable for: water, 0°C to +150°C
- Suitable for: air, -10°C to +150°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F3400J032.2816	42,2	25	931	23,3
F3400J040.2816	48,3	16	1330	21,3
F3400J050.2816	60,4	8	2009	16,1
F3400J065.2816	76,1*	6	3442	20,6
F3400J080.2816	88,9	8	5512	44,1

*Metric groove standard



— DN ≤ 50 (water)
— DN ≥ 65 (water)



— DN ≤ 50 (air)
— DN ≥ 65 (air)

340DR

FULL PORT DZR BRASS BALL VALVE



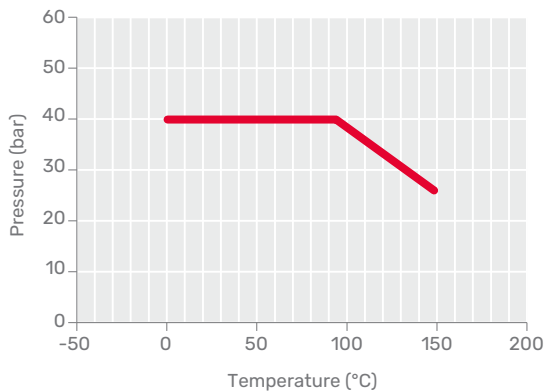
Full port DZR brass ball valve
Threaded F/F (ISO 228/1)
Design according to MSS-SP110
Brass lockshield, NBR seal
Air testing according to EN12266-1
Blow-out proof stem
Adjustable packing
STF, VA and TR CU 010 compliant

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

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F3400Y010.3029	010 - 3/8"	125	120	15
F3400Y015.3029	015 - 1/2"	90	220	19,8
F3400Y020.3029	020 - 3/4"	60	305	18,3
F3400Y025.3029	025 - 1"	35	520	18,2
F3400Y032.3029	032 - 1 1/4"	25	815	20,4
F3400Y040.3029	040 - 1 1/2"	16	1210	19,4
F3400Y050.3029	050 - 2"	8	1805	14,4



FULL PORT BRONZE BALL VALVE



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

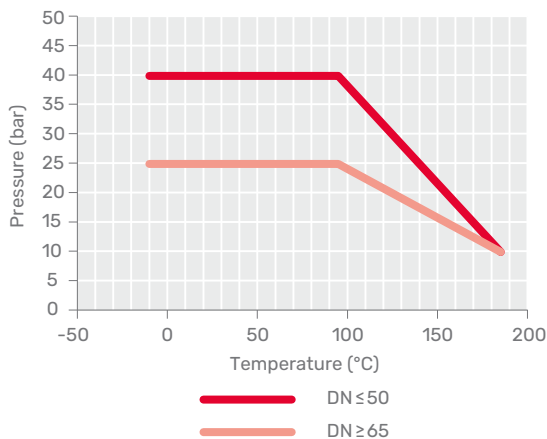
PN40 for DN≤50 (Max 40bar up to 95°C, max 10bar at 185°C)
 PN25 for DN≥65 (Max 25bar up to 95°C, max 10bar at 185°C)

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Lever handle version				
F3800B008.916	008 - 1/4"	100	142	14,2
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	630	15,8
F3800B032.916	032 - 1 1/4"	20	970	19,4
F3800B040.916	040 - 1 1/2"	12	1440	17,3
F3800B050.916	050 - 2"	8	2160	17,3
F3800B065.916	065 - 2 1/2"	6	4660	28,0
F3800B080.916	080 - 3"	2	6600	13,2
Butterfly handle version				
F3800B015.1391	015 - 1/2"	100	268	26,8
F3800B020.1391	020 - 3/4"	100	368	36,8
F3800B025.1391	025 - 1"	50	639	32,0

Version with lockable handle available up to DN50 (.3201)



380LN

FULL PORT "LONG NECK" BRONZE BALL VALVE



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

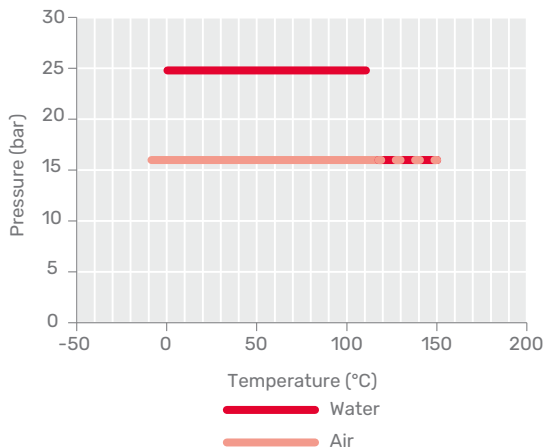
PN25 (Max 25bar up to 110°C, max 16bar above)
 PN16 when used with air

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Lever handle version				
F38LN0015.2859	015 - 1/2"	50	346	17,3
F38LN0020.2859	020 - 3/4"	40	454	18,2
F38LN0025.2859	025 - 1"	25	715	17,9
F38LN0032.2859	032 - 1 1/4"	15	1069	16,0
F38LN0040.2859	040 - 1 1/2"	10	1698	17,0
F38LN0050.2859	050 - 2"	6	2500	15,0
Butterfly handle version				
F38LN0015.2860	015 - 1/2"	50	333	16,7
F38LN0020.2860	020 - 3/4"	40	441	17,6
F38LN0025.2860	025 - 1"	25	691	17,3
F38LN0032.2860	032 - 1 1/4"	15	1045	15,7
F38LN0040.2860	040 - 1 1/2"	10	1670	16,7
F38LN0050.2860	050 - 2"	6	2472	14,8

GDV and SINTEF version available on request



39BV0

FULL PORT STAINLESS STEEL BALL VALVE

ERC



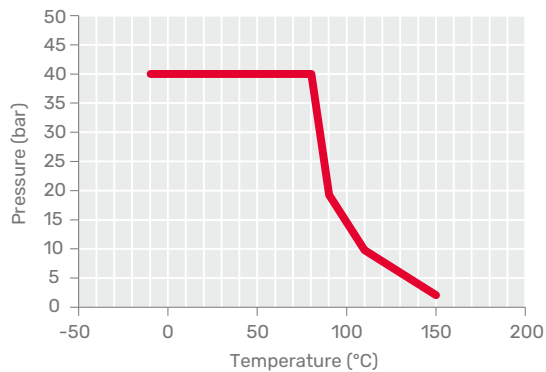
Full port stainless steel 316 ball valve
Threaded F/F (ISO 228/1)
Stainless steel ball, PTFE seats
Blow-out proof stainless steel stem, adjustable PTFE packing
TR CU 010 compliant

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

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F39BV0008.1237	008 - 1/4"	1	250	0,3
F39BV0010.1237	010 - 3/8"	1	250	0,3
F39BV0015.1237	015 - 1/2"	1	400	0,4
F39BV0020.1237	020 - 3/4"	1	500	0,5
F39BV0025.1237	025 - 1"	1	900	0,9
F39BV0032.1237	032 - 1 1/4"	1	1600	1,6
F39BV0040.1237	040 - 1 1/2"	1	2300	2,3
F39BV0050.1237	050 - 2"	1	3600	3,6
F39BV0065.1237	065 - 2 1/2"	1	7200	7,2
F39BV0080.1237	080 - 3"	1	10800	10,8
F39BV0100.1237	100 - 4"	1	25180	25,2



3WL

REDUCED PORT 3-WAY "L" BRASS BALL VALVE

EAC



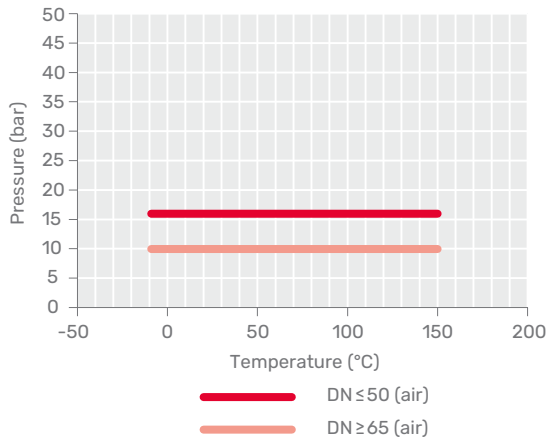
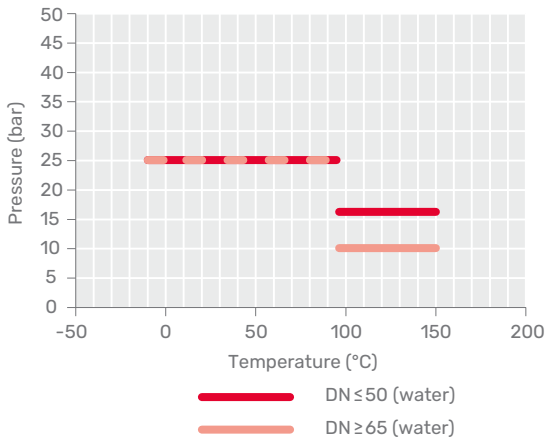
Reduced port 3-way brass ball valve
 Threaded F/F/F (ISO 228/1)
 2 seats sealing
 Chromium plated ball, PTFE seats
 Blow-out proof stem, FKM + NBR stem O-rings

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

WORKING CONDITIONS

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

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



310N

BRASS BALL BIB COCK

ERC



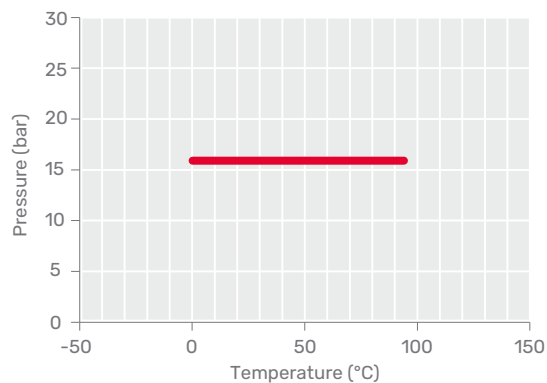
Nickel plated brass ball bib cock
Threaded M (ISO 228/1) with hose union
Air testing according to EN12266-1
Chromium plated ball, PTFE seats
Blow-out proof stem, NBR stem O-rings
With handle or butterfly
TR CU 010 compliant, optional ACS compliant version available

PN16

WORKING CONDITIONS

- Suitable for: water, 0°C to +95°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F310K0015.1779	015 - 1/2"	14	180	2,5
F310K0020.1779	020 - 3/4"	8	295	2,4
F310K0025.1779	025 - 1"	5	450	2,3



293LK

BRASS SILLCOCK WITH LOCKSHIELD AND KEY



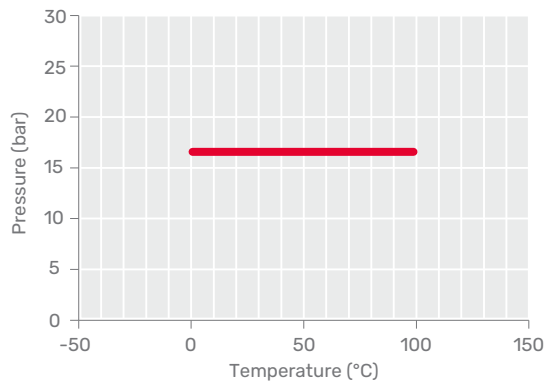
Brass sillcock
Threaded M (ISO 228/1) with hose union
Ring and hose union in brass
Brass lockshield, NBR seal
PTFE packing, brass packing nut
With lockshield and key

PN16

WORKING CONDITIONS

- Suitable for: water, 0°C to +100°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F293LK015.3063	015 - 1/2"	14	255	3,6



BRASS DRAIN VALVE

ERC



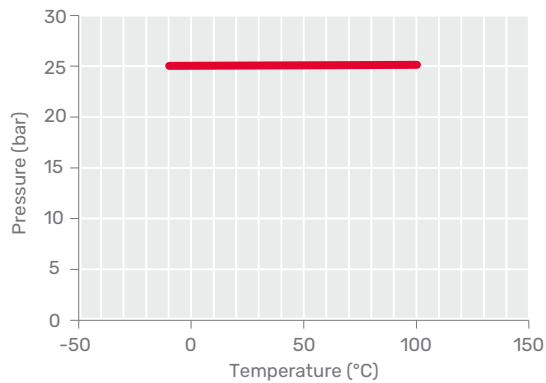
Brass drain valve
 Threaded M (ISO 7/1R) on valve side
 Threaded M for union (ISO 228/1) on drain side
 Chromium plated ball, PTFE seats
 Blow out proof stem
 EPDM stem O-ring + adjustable PTFE packing

PN25

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F242X0015.2877	015 - 1/2"	100	165	16,5
F242X0020.2877	020 - 3/4"	65	255	16,6



FV-C

FIVE COTTER PIN FLOAT VALVE WITH FLAT ROD



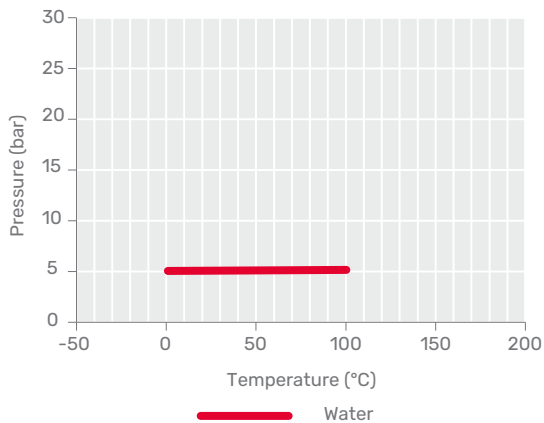
Five cotter pin float valve with flat rod
 Threaded M (ISO 228/1)
 Adjustable sphere position for opening pressure range 2-5bar
 For atmospheric pressure tanks
 Not suitable with pressurized containers in "CI - CII - CIII - CIV"
 categories

PN5

WORKING CONDITIONS

- Suitable for: water, 0°C to +100°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F93FCV015.2963	015 - 1/2"	1	289	0,3
F93FCV020.2963	020 - 3/4"	1	444	0,4
F93FCV025.2963	025 - 1"	1	686	0,7
F93FCV032.2963	032 - 1 1/4"	1	1351	1,4
F93FCV040.2963	040 - 1 1/2"	1	1823	1,8
F93FCV050.2963	050 - 2"	1	2393	2,4
F93FCV065.3005	065 - 2 1/2"	1	4535	4,5
F93FCV080.3005	080 - 3"	1	6240	6,2
F93FCV100.3005	100 - 4"	1	9240	9,2



SPARE PARTS

SPARE HANDLES FOR BALL VALVES



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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
SS304 stainless steel levers				
KXM301008.1196	008 - 010	500	22	11,0
KXM301015.1196	015 - 020	250	40	10,0
KXM301025.1196	025 - 032	150	65	9,8
KXM301040.1196	040 - 050	100	116	11,6
KXM301065.1196	065 - 100	50	405	20,3
Dacromet steel butterflies				
KXF300008.379	008 - 010	500	16	8,0
KXF300015.379	015 - 020	500	28	14,0
KXF300025.379	025 - 032	250	44	11,0
KXF300040.379	040 - 050	250	86	21,5



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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Geomet handles				
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
SS304 stainless steel levers				
KXM300008.354	008 - 010	500	25	12,5
KXM300015.354	015 - 020	250	50	12,5
KXM300025.354	025 - 032	150	77	11,6
KXM300040.354	040 - 050	100	128	12,8
KXM300065.354	065	50	272	13,6
KXM300100.354	080 - 100	25	520	13,0
Aluminum butterflies				
KXF300008.359	008 - 010	500	7	3,5
KXF300015.359	015 - 020	500	20	10,0
KXF300025.359	025 - 032	250	30	7,5
KXF300040.359	040 - 050	200	44	8,8

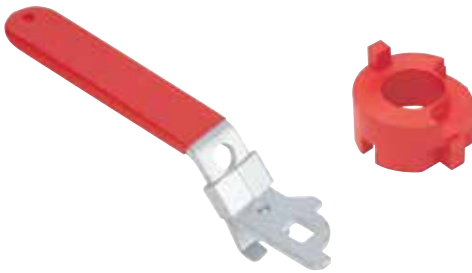
SPARE PARTS

LOCKABLE HANDLES AND STEM EXTENSIONS



Lock One:
Device allowing padlocking
for Fig. 340G

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
K3000N008.279	008 - 010	100	3	0,3
K3000N015.279	015 - 020	100	6	0,6
K3000N025.279	025 - 032	100	8	0,8
K3000N040.279	040 - 050	50	13	0,7
K3000N065.279	065 - 100	6	36	0,2



Lockable handle for
Fig. 340, 340J and 342

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
KXM303008.998	008 - 010	500	32	16,0
KXM303015.998	015 - 020	400	59	23,6
KXM303025.998	025 - 032	200	87	17,4
KXM303040.998	040 - 050	200	146	29,2



Lock One kit for
Fig. 340, 340J and 342

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
K300NK008.656	008 - 010	100	59	5,9
K300NK015.656	015 - 020	100	90	9,0
K300NK025.656	025 - 032	100	117	11,7
K300NK040.656	040 - 050	50	190	9,5
K300NK065.656	065 - 100	6	665	4,0

SPARE PARTS

LOCKABLE HANDLES AND STEM EXTENSIONS



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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 33FF				
KPR33X008.2810	DN08/DN10	250	30	7,5
KPR33X015.2810	DN15/DN20	250	59	14,8
KPR33X025.2810	DN25/DN32	100	78	7,8
KPR33X040.2810	DN40/DN50	50	90	4,5
Fig. 340, 340J, 342				
K3000X008.277	008 - 010	250	30	7,5
K3000X015.277	015 - 020	250	59	14,8
K3000X025.277	025 - 032	100	78	7,8
K3000X040.277	040 - 050	50	90	4,5
KPR303065.2159	065 - 100	25	282	7,1
Fig. 380				
K3000X008.278	DN08/DN10	250	30	7,5
K3000X015.278	DN15/DN20	250	59	14,8
K3000X025.278	DN25/DN32	100	78	7,8
K3000X040.278	DN40/DN50	50	90	4,5

4020L, 4020G

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

EAC

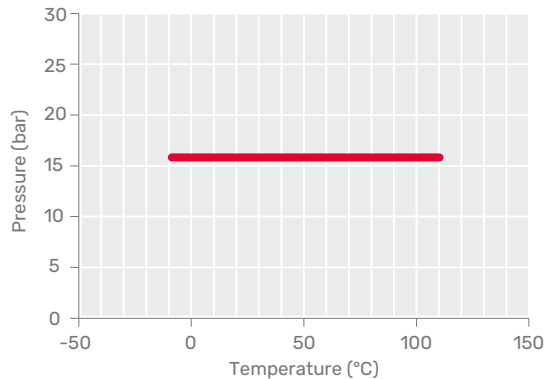


Ductile iron Wafer butterfly valve
 For EN1092 PN16 flanges (also PN10 for DN≤300)
 Lengths according to EN558-1 series 20 (ex DIN3202 K1)
 Design according to EN593
 Testing according to EN12266-1
 Epoxy coating (min. 150µm)
 Nikel plated ductile iron disc
 EPDM seat, EPDM stem O-rings, PTFE bushing
 With lever or manual gear
 With ISO 5211 flange for electric or pneumatic actuator
 TR CU 010 compliant

PN16
 Max differential pressure 10bar for DN≥350

WORKING CONDITIONS

- Suitable for: water, -10°C to +110°C
 below 0°C only for water with added antifreeze fluids



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 4020L - Cast iron lever				
F4020L032.927	032 - 1 1/4"	1	2600	2,6
F4020L040.927	040 - 1 1/2"	1	2800	2,8
F4020L050.927	050 - 2"	1	3650	3,7
F4020L065.927	065 - 2 1/2"	1	4700	4,7
F4020L080.927	080 - 3"	1	4500	4,5
F4020L100.927	100 - 4"	1	6250	6,3
F4020L125.927	125 - 5"	1	7700	7,7
F4020L150.927	150 - 6"	1	9100	9,1
F4020L200.927	200 - 8"	1	13600	13,6
F4020L250.927	250 - 10"	1	21700	21,7
F4020L300.927	300 - 12"	1	32000	32,0

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 4020L - Aluminium lever				
F4020L032.2301	032 - 1 1/4"	1	2300	2,3
F4020L040.2301	040 - 1 1/2"	1	2600	2,6
F4020L050.2301	050 - 2"	1	3270	3,3
F4020L065.2301	065 - 2 1/2"	1	3970	4,0
F4020L080.2301	080 - 3"	1	4470	4,5
F4020L100.2301	100 - 4"	1	6070	6,1
F4020L125.2301	125 - 5"	1	7370	7,4
F4020L150.2301	150 - 6"	1	8770	8,8
F4020L200.2301	200 - 8"	1	13300	13,3
F4020L250.2301	250 - 10"	1	19800	19,8
F4020L300.2301	300 - 12"	1	31600	31,6

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 4020G				
F4020G032.928	032 - 1 1/4"	1	7300	7,3
F4020G040.928	040 - 1 1/2"	1	7600	7,6
F4020G050.928	050 - 2"	1	8100	8,1
F4020G065.928	065 - 2 1/2"	1	8900	8,9
F4020G080.928	080 - 3"	1	9200	9,2
F4020G100.928	100 - 4"	1	11000	11,0
F4020G125.928	125 - 5"	1	13000	13,0
F4020G150.928	150 - 6"	1	12000	12,0
F4020G200.928	200 - 8"	1	21900	21,9
F4020G250.928	250 - 10"	1	27400	27,4
F4020G300.928	300 - 12"	1	39500	39,5
F4020G350.2863	350 - 14"	1	58800	58,8
F4020G400.2863	400 - 16"	1	101200	101,2
F4020G450.2863	450 - 18"	1	117700	117,7
F4020G500.2863	500 - 20"	1	160100	160,1
F4020G600.2863	600 - 24"	1	257500	257,5

4025L, 4025G

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



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
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Fig. 4025L - Cast iron lever

F4025L032.929	032 - 1 1/4"	1	2600	2,6
F4025L040.929	040 - 1 1/2"	1	2800	2,8
F4025L050.929	050 - 2"	1	3650	3,7
F4025L065.929	065 - 2 1/2"	1	4700	4,7
F4025L080.929	080 - 3"	1	4500	4,5
F4025L100.929	100 - 4"	1	6250	6,3
F4025L125.929	125 - 5"	1	7700	7,7
F4025L150.929	150 - 6"	1	9100	9,1
F4025L200.929	200 - 8"	1	13600	13,6
F4025L250.929	250 - 10"	1	21700	21,7
F4025L300.929	300 - 12"	1	32000	32,0

Fig. 4025L - Aluminium lever

F4025L032.2302	032 - 1 1/4"	1	2300	2,3
F4025L040.2302	040 - 1 1/2"	1	2600	2,6
F4025L050.2302	050 - 2"	1	3270	3,3
F4025L065.2302	065 - 2 1/2"	1	3970	4,0
F4025L080.2302	080 - 3"	1	4470	4,5
F4025L100.2302	100 - 4"	1	6070	6,1
F4025L125.2302	125 - 5"	1	7370	7,4
F4025L150.2302	150 - 6"	1	8770	8,8
F4025L200.2302	200 - 8"	1	13300	13,3
F4025L250.2302	250 - 10"	1	19800	19,8
F4025L300.2302	300 - 12"	1	31600	31,6

Fig. 4025G

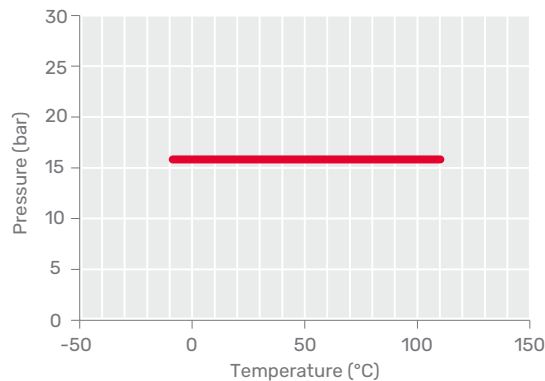
F4025G032.1009	032 - 1 1/4"	1	7300	7,3
F4025G040.1009	040 - 1 1/2"	1	7600	7,6
F4025G050.1009	050 - 2"	1	6700	6,7
F4025G065.1009	065 - 2 1/2"	1	7600	7,6
F4025G080.1009	080 - 3"	1	8300	8,3
F4025G100.1009	100 - 4"	1	9150	9,2
F4025G125.1009	125 - 5"	1	10900	10,9
F4025G150.1009	150 - 6"	1	12000	12,0
F4025G200.1009	200 - 8"	1	21900	21,9
F4025G250.1009	250 - 10"	1	28000	28,0
F4025G300.1009	300 - 12"	1	46500	46,5
F4025G350.2864	350 - 14"	1	58800	58,8
F4025G400.2864	400 - 16"	1	101200	101,2
F4025G450.2864	450 - 18"	1	117700	117,7
F4025G500.2864	500 - 20"	1	160100	160,1
F4025G600.2864	600 - 24"	1	257500	257,5

Ductile iron Wafer butterfly valve
 For EN1092 PN16 flanges (also PN10 for DN≤300)
 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 and WRAS compliant

PN16
 Max differential pressure 10bar for DN≥350

WORKING CONDITIONS

- Suitable for: water, -10°C to +110°C
 below 0°C only for water with added antifreeze fluids



4029L, 4029G

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

ERC



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
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Fig. 4029L - Cast iron lever

F4029L032.929	032 - 1 1/4"	1	2300	2,3
F4029L040.929	040 - 1 1/2"	1	3300	3,3
F4029L050.929	050 - 2"	1	3700	3,7
F4029L065.929	065 - 2 1/2"	1	4400	4,4
F4029L080.929	080 - 3"	1	4900	4,9
F4029L100.929	100 - 4"	1	6500	6,5
F4029L125.929	125 - 5"	1	7800	7,8
F4029L150.929	150 - 6"	1	9200	9,2
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. 4029L - Aluminium lever

F4029L032.2302	032 - 1 1/4"	1	2300	2,3
F4029L040.2302	040 - 1 1/2"	1	3000	3,0
F4029L050.2302	050 - 2"	1	3270	3,3
F4029L065.2302	065 - 2 1/2"	1	3970	4,0
F4029L080.2302	080 - 3"	1	4470	4,5
F4029L100.2302	100 - 4"	1	6070	6,1
F4029L125.2302	125 - 5"	1	7370	7,4
F4029L150.2302	150 - 6"	1	8770	8,8
F4029L200.2302	200 - 8"	1	13300	13,3
F4029L250.2302	250 - 10"	1	19800	19,8
F4029L300.2302	300 - 12"	1	31600	31,6

Fig. 4029G

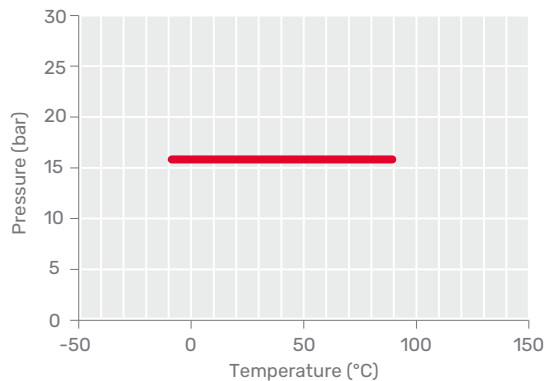
F4029G032.1009	032 - 1 1/4"	1	7300	7,3
F4029G040.1009	040 - 1 1/2"	1	7600	7,6
F4029G050.1009	050 - 2"	1	8100	8,1
F4029G065.1009	065 - 2 1/2"	1	8900	8,9
F4029G080.1009	080 - 3"	1	9200	9,2
F4029G100.1009	100 - 4"	1	11000	11,0
F4029G125.1009	125 - 5"	1	13000	13,0
F4029G150.1009	150 - 6"	1	13370	13,4
F4029G200.1009	200 - 8"	1	25700	25,7
F4029G250.1009	250 - 10"	1	32200	32,2
F4029G300.1009	300 - 12"	1	46500	46,5
F4029G350.2864	350 - 14"	1	60000	60,0
F4029G400.2864	400 - 16"	1	103000	103,0
F4029G450.2864	450 - 18"	1	119000	119,0
F4029G500.2864	500 - 20"	1	162000	162,0
F4029G600.2864	600 - 24"	1	259000	259,0

Ductile iron Wafer butterfly valve
 For EN1092 PN16 flanges (also PN10 for DN≤300)
 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
 Max differential pressure 10bar for DN≥350

WORKING CONDITIONS

- Suitable for: water, -10°C to +90°C
 below 0°C only for water with added antifreeze fluids



4320L, 4320G

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

ERC



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 4320L - Cast iron lever				
F4320L032.927	032 - 1 1/4"	1	3400	3,4
F4320L040.927	040 - 1 1/2"	1	3400	3,4
F4320L050.927	050 - 2"	1	4200	4,2
F4320L065.927	065 - 2 1/2"	1	5000	5,0
F4320L080.927	080 - 3"	1	5800	5,8
F4320L100.927	100 - 4"	1	7500	7,5
F4320L125.927	125 - 5"	1	10300	10,3
F4320L150.927	150 - 6"	1	11500	11,5
F4320L200.927	200 - 8"	1	19200	19,2
F4320L250.927	250 - 10"	1	27100	27,1
F4320L300.927	300 - 12"	1	50200	50,2

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 4320L - Aluminium lever				
F4320L032.2301	032 - 1 1/4"	1	2980	3,0
F4320L040.2301	040 - 1 1/2"	1	3300	3,3
F4320L050.2301	050 - 2"	1	4670	4,7
F4320L065.2301	065 - 2 1/2"	1	4970	5,0
F4320L080.2301	080 - 3"	1	5370	5,4
F4320L100.2301	100 - 4"	1	8770	8,8
F4320L125.2301	125 - 5"	1	12370	12,4
F4320L150.2301	150 - 6"	1	13170	13,2
F4320L200.2301	200 - 8"	1	18100	18,1
F4320L250.2301	250 - 10"	1	28300	28,3
F4320L300.2301	300 - 12"	1	43800	43,8

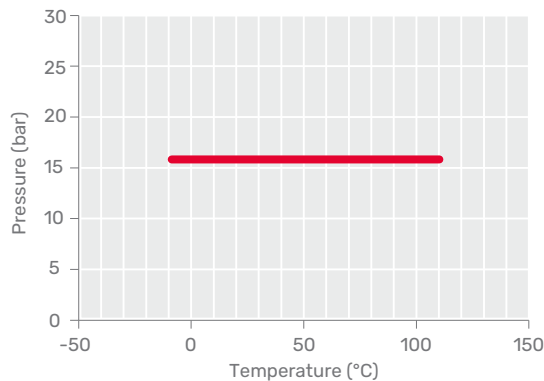
Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 4320G				
F4320G032.928	032 - 1 1/4"	1	6300	6,3
F4320G040.928	040 - 1 1/2"	1	6300	6,3
F4320G050.928	050 - 2"	1	7100	7,1
F4320G065.928	065 - 2 1/2"	1	7900	7,9
F4320G080.928	080 - 3"	1	8600	8,6
F4320G100.928	100 - 4"	1	10400	10,4
F4320G125.928	125 - 5"	1	13200	13,2
F4320G150.928	150 - 6"	1	14400	14,4
F4320G200.928	200 - 8"	1	26300	26,3
F4320G250.928	250 - 10"	1	32800	32,8
F4320G300.928	300 - 12"	1	59900	59,9
F4320G350.2863	350 - 14"	1	81300	81,3
F4320G400.2863	400 - 16"	1	138200	138,2
F4320G450.2863	450 - 18"	1	158700	158,7
F4320G500.2863	500 - 20"	1	226600	226,6
F4320G600.2863	600 - 24"	1	315500	315,5

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
 Max differential pressure 10bar for DN≥350

WORKING CONDITIONS

- Suitable for: water, -10°C to +110°C
 below 0°C only for water with added antifreeze fluids



4325L, 4325G

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



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
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Fig. 4325L - Cast iron lever

F4325L032.929	032 - 1 1/4"	1	3400	3,4
F4325L040.929	040 - 1 1/2"	1	3400	3,4
F4325L050.929	050 - 2"	1	4200	4,2
F4325L065.929	065 - 2 1/2"	1	5000	5,0
F4325L080.929	080 - 3"	1	5800	5,8
F4325L100.929	100 - 4"	1	7500	7,5
F4325L125.929	125 - 5"	1	10300	10,3
F4325L150.929	150 - 6"	1	11500	11,5
F4325L200.929	200 - 8"	1	19200	19,2
F4325L250.929	250 - 10"	1	27100	27,1
F4325L300.929	300 - 12"	1	50200	50,2

Fig. 4325L - Aluminium lever

F4325L032.2302	032 - 1 1/4"	1	2980	3,0
F4325L040.2302	040 - 1 1/2"	1	3300	3,3
F4325L050.2302	050 - 2"	1	4670	4,7
F4325L065.2302	065 - 2 1/2"	1	4970	5,0
F4325L080.2302	080 - 3"	1	5370	5,4
F4325L100.2302	100 - 4"	1	8770	8,8
F4325L125.2302	125 - 5"	1	12370	12,4
F4325L150.2302	150 - 6"	1	13170	13,2
F4325L200.2302	200 - 8"	1	18100	18,1
F4325L250.2302	250 - 10"	1	28300	28,3
F4325L300.2302	300 - 12"	1	43800	43,8

Fig. 4325G

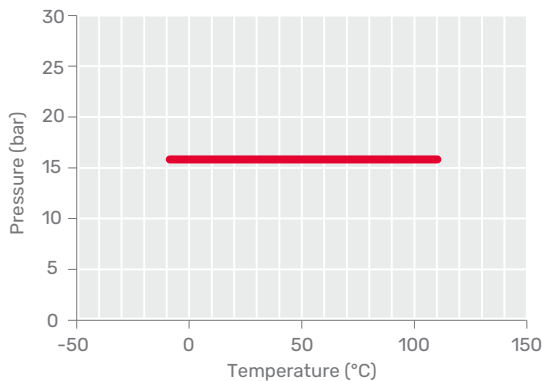
F4325G032.1009	032 - 1 1/4"	1	7980	8,0
F4325G040.1009	040 - 1 1/2"	1	8900	8,9
F4325G050.1009	050 - 2"	1	9500	9,5
F4325G065.1009	065 - 2 1/2"	1	7900	7,9
F4325G080.1009	080 - 3"	1	8600	8,6
F4325G100.1009	100 - 4"	1	10400	10,4
F4325G125.1009	125 - 5"	1	13200	13,2
F4325G150.1009	150 - 6"	1	14400	14,4
F4325G200.1009	200 - 8"	1	26300	26,3
F4325G250.1009	250 - 10"	1	32800	32,8
F4325G300.1009	300 - 12"	1	59900	59,9
F4325G350.2864	350 - 14"	1	81300	81,3
F4325G400.2864	400 - 16"	1	138200	138,2
F4325G450.2864	450 - 18"	1	158700	158,7
F4325G500.2864	500 - 20"	1	226600	226,6
F4325G600.2864	600 - 24"	1	315500	315,5

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

PN16
 Max differential pressure 10bar for DN≥350

WORKING CONDITIONS

- Suitable for: water, -10°C to +110°C
 below 0°C only for water with added antifreeze fluids



4329L, 4329G

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

ERC



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 4329L - Cast iron lever				
F4329L032.929	032 - 1 1/4"	1	4400	4,4
F4329L040.929	040 - 1 1/2"	1	4600	4,6
F4329L050.929	050 - 2"	1	5100	5,1
F4329L065.929	065 - 2 1/2"	1	5000	5,0
F4329L080.929	080 - 3"	1	5800	5,8
F4329L100.929	100 - 4"	1	9200	9,2
F4329L125.929	125 - 5"	1	10400	10,4
F4329L150.929	150 - 6"	1	13600	13,6
F4329L200.929	200 - 8"	1	19500	19,5
F4329L250.929	250 - 10"	1	29700	29,7
F4329L300.929	300 - 12"	1	45200	45,2

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 4329L - Aluminium lever				
F4329L032.2302	032 - 1 1/4"	1	4400	4,4
F4329L040.2302	040 - 1 1/2"	1	4600	4,6
F4329L050.2302	050 - 2"	1	5100	5,1
F4329L065.2302	065 - 2 1/2"	1	5000	5,0
F4329L080.2302	080 - 3"	1	5800	5,8
F4329L100.2302	100 - 4"	1	9200	9,2
F4329L125.2302	125 - 5"	1	10400	10,4
F4329L150.2302	150 - 6"	1	13600	13,6
F4329L200.2302	200 - 8"	1	19500	19,5
F4329L250.2302	250 - 10"	1	29700	29,7
F4329L300.2302	300 - 12"	1	45200	45,2

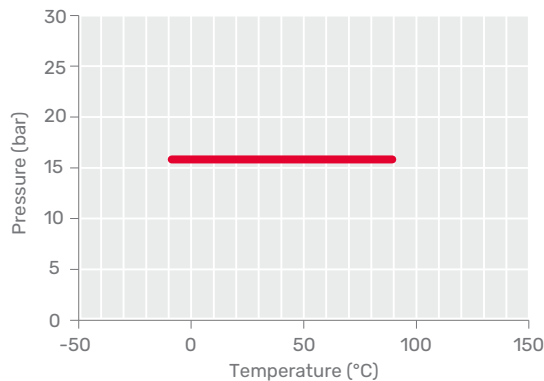
Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 4329G				
F4329G032.1009	032 - 1 1/4"	1	7600	7,6
F4329G040.1009	040 - 1 1/2"	1	8900	8,9
F4329G050.1009	050 - 2"	1	9500	9,5
F4329G065.1009	065 - 2 1/2"	1	11000	11,0
F4329G080.1009	080 - 3"	1	11600	11,6
F4329G100.1009	100 - 4"	1	13700	13,7
F4329G125.1009	125 - 5"	1	18000	18,0
F4329G150.1009	150 - 6"	1	19000	19,0
F4329G200.1009	200 - 8"	1	32000	32,0
F4329G250.1009	250 - 10"	1	42000	42,0
F4329G300.1009	300 - 12"	1	60000	60,0
F4329G350.2864	350 - 14"	1	81300	81,3
F4329G400.2864	400 - 16"	1	138200	138,2
F4329G450.2864	450 - 18"	1	158700	158,7
F4329G500.2864	500 - 20"	1	226600	226,6
F4329G600.2864	600 - 24"	1	315500	315,5

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

PN16
 Max differential pressure 10bar for DN≥350

WORKING CONDITIONS

- Suitable for: water, -10°C to +90°C
 below 0°C only for water with added antifreeze fluids



402WL, 402WG

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

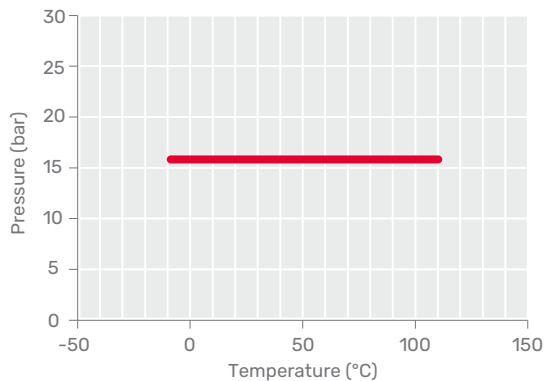


Ductile iron Wafer butterfly valve
 For EN1092 PN16 flanges (also PN10)
 Lengths according to EN558-1 series 20 (ex DIN3202 K1)
 Design according to EN593
 Testing according to EN12266-1
 Epoxy coating (min. 150µm)
 Epoxy painted ductile iron disc
 EPDM seat, EPDM stem O-rings, PTFE bushing
 With lever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

PN16

WORKING CONDITIONS

- Suitable for: water, -10°C to +110°C (max 85°C per WRAS)
 below 0°C only for water with added antifreeze fluids



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 402WL - Aluminium lever				
F402WL032.2904	032 - 1 1/4"	1	2900	2,9
F402WL040.2904	040 - 1 1/2"	1	3000	3,0
F402WL050.2904	050 - 2"	1	3650	3,7
F402WL065.2904	065 - 2 1/2"	1	4700	4,7
F402WL080.2904	080 - 3"	1	4500	4,5
F402WL100.2904	100 - 4"	1	6200	6,2
F402WL125.2904	125 - 5"	1	7300	7,3
F402WL150.2904	150 - 6"	1	8700	8,7
F402WL200.2904	200 - 8"	1	13300	13,3
F402WL250.2904	250 - 10"	1	19800	19,8
F402WL300.2904	300 - 12"	1	31600	31,6

Fig. 402WG				
F402WG032.928	032 - 1 1/4"	1	7900	7,9
F402WG040.928	040 - 1 1/2"	1	8000	8,0
F402WG050.928	050 - 2"	1	8650	8,7
F402WG065.928	065 - 2 1/2"	1	9700	9,7
F402WG080.928	080 - 3"	1	9500	9,5
F402WG100.928	100 - 4"	1	11200	11,2
F402WG125.928	125 - 5"	1	12300	12,3
F402WG150.928	150 - 6"	1	13700	13,7
F402WG200.928	200 - 8"	1	26300	26,3
F402WG250.928	250 - 10"	1	32800	32,8
F402WG300.928	300 - 12"	1	44600	44,6

432WL, 432WG

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

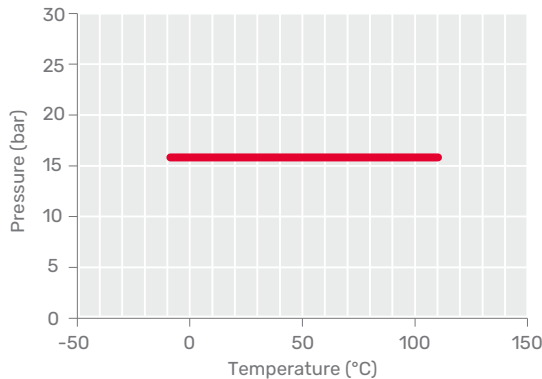


Ductile iron Lug butterfly valve
 For EN1092 PN16 flanges (also PN10 for DN≤150)
 Lengths according to EN558-1 series 20 (ex DIN3202 K1)
 Design according to EN593
 Testing according to EN12266-1
 Epoxy coating (min. 150µm)
 Epoxy painted ductile iron disc
 EPDM seat, EPDM stem O-rings, PTFE bushing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

PN16

WORKING CONDITIONS

- Suitable for: water, -10°C to +110°C
 below 0°C only for water with added antifreeze fluids



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 432WL - Aluminium lever				
F432WL032.2904	032 - 1 1/4"	1	3500	3,5
F432WL040.2904	040 - 1 1/2"	1	3800	3,8
F432WL050.2904	050 - 2"	1	5200	5,2
F432WL065.2904	065 - 2 1/2"	1	5500	5,5
F432WL080.2904	080 - 3"	1	5900	5,9
F432WL100.2904	100 - 4"	1	9300	9,3
F432WL125.2904	125 - 5"	1	12900	12,9
F432WL150.2904	150 - 6"	1	13700	13,7
F432WL200.2904	200 - 8"	1	19500	19,5
F432WL250.2904	250 - 10"	1	29700	29,7
F432WL300.2904	300 - 12"	1	45200	45,2

Fig. 432WG				
F432WG032.928	032 - 1 1/4"	1	9100	9,1
F432WG040.928	040 - 1 1/2"	1	9400	9,4
F432WG050.928	050 - 2"	1	10800	10,8
F432WG065.928	065 - 2 1/2"	1	11100	11,1
F432WG080.928	080 - 3"	1	11500	11,5
F432WG100.928	100 - 4"	1	14900	14,9
F432WG125.928	125 - 5"	1	18500	18,5
F432WG150.928	150 - 6"	1	19300	19,3
F432WG200.928	200 - 8"	1	28300	28,3
F432WG250.928	250 - 10"	1	38500	38,5
F432WG300.928	300 - 12"	1	54000	54,0

4520L, 4520G

DUCTILE IRON WAFER BUTTERFLY VALVE (PN25)

EAC

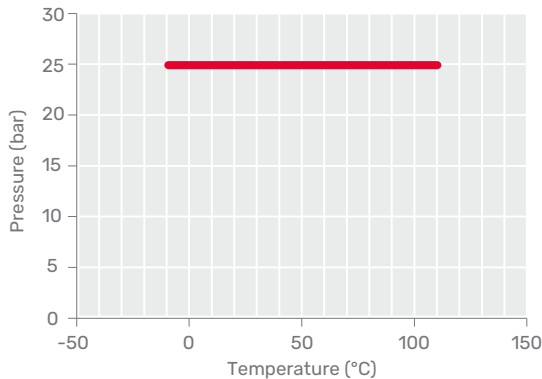


Ductile iron Wafer butterfly valve
 For EN1092 PN25 flanges
 Lengths according to EN558-1 series 20 (ex DIN3202 K1)
 Design according to EN593
 Testing according to EN12266-1
 Epoxy coating (min. 150µm)
 Nickel plated ductile iron disc
 EPDM seat, EPDM stem O-rings, PTFE bushing
 With lever or manual gear
 With ISO 5211 flange for electric or pneumatic actuator
 TR CU 010 compliant

PN25

WORKING CONDITIONS

- Suitable for: water, -10°C to +110°C
 below 0°C only for water with added antifreeze fluids



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 4520L				
F4520L050.927	050 - 2"	1	4300	4,3
F4520L065.927	065 - 2 1/2"	1	4700	4,7
F4520L080.927	080 - 3"	1	5100	5,1
F4520L100.927	100 - 4"	1	6100	6,1
F4520L125.927	125 - 5"	1	7900	7,9
F4520L150.927	150 - 6"	1	9600	9,6

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 4520G				
F4520G050.928	050 - 2"	1	8400	8,4
F4520G065.928	065 - 2 1/2"	1	8800	8,8
F4520G080.928	080 - 3"	1	9200	9,2
F4520G100.928	100 - 4"	1	10200	10,2
F4520G125.928	125 - 5"	1	12000	12,0
F4520G150.928	150 - 6"	1	13700	13,7
F4520G200.928	200 - 8"	1	33900	33,0
F4520G250.928	250 - 10"	1	48000	48,0
F4520G300.928	300 - 12"	1	60000	60,0
F4520G350.928	350 - 14"	1	72000	72,0
F4520G400.928	400 - 16"	1	156000	156,0
F4520G450.928	450 - 18"	1	182000	182,0
F4520G500.928	500 - 20"	1	242000	242,0
F4520G600.928	600 - 24"	1	365000	365,0

4620L, 4620G

DUCTILE IRON LUG BUTTERFLY VALVE (PN25)

ERC



Ductile iron Lug butterfly valve
 For EN1092 PN25 flanges
 Lengths according to EN558-1 series 20 (ex DIN3202 K1)
 Design according to EN593
 Testing according to EN12266-1
 Epoxy coating (min. 150µm)
 Nickel plated ductile iron disc
 EPDM seat, EPDM stem O-rings, PTFE bushing
 With lever or manual gear
 With ISO 5211 flange for electric or pneumatic actuator
 TR CU 010 compliant

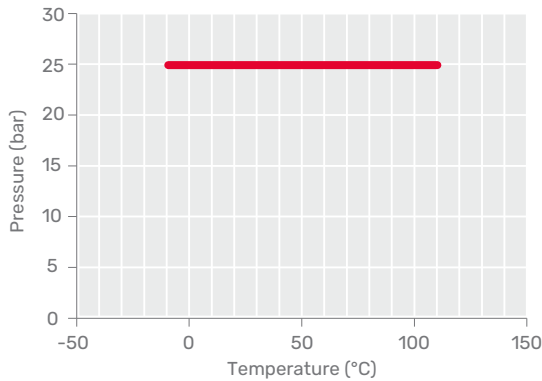
PN25

WORKING CONDITIONS

- Suitable for: water, -10°C to +110°C
 below 0°C only for water with added antifreeze fluids

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 4620L				
F4620L050.927	050 - 2"	1	5100	5,1
F4620L065.927	065 - 2 1/2"	1	5000	5,0
F4620L080.927	080 - 3"	1	6000	6,0
F4620L100.927	100 - 4"	1	9200	9,2
F4620L125.927	125 - 5"	1	10400	10,4
F4620L150.927	150 - 6"	1	13600	13,6

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 4620G				
F4620G050.928	050 - 2"	1	9500	9,5
F4620G065.928	065 - 2 1/2"	1	11000	11,0
F4620G080.928	080 - 3"	1	11600	11,6
F4620G100.928	100 - 4"	1	13700	13,7
F4620G125.928	125 - 5"	1	18000	18,0
F4620G150.928	150 - 6"	1	19000	19,0
F4620G200.928	200 - 8"	1	27500	27,5
F4620G250.928	250 - 10"	1	32800	32,8
F4620G300.928	300 - 12"	1	60000	60,0



CUTTER-AQ

ELECTRIC ACTUATOR



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

Available in two standard versions:
 - Multivolt 85-260VAC and 24VDC (up to AQ70)
 - 220/230 VAC or 24VDC (for AQ100 and above)
 Suitable for 50Hz or 60Hz power supply

3 point control
 2 adjustable limit switches (250VAC-5A or 48VDC-2,5A)
 Torque limiter (for AQ250 and above)
 Working temperature: -20° to +60°C

Vir Code	Torque	pcs./box	Wgt (g)	Box (Kg)	Fig. 4020-4025-4029-402W Fig. 4320-4325-4329-432W	Fig. 4520 Fig. 4620
Multivolt 85-260VAC and 24VDC						
KACUTAQ00.800	15Nm	1	3085	3,1	DN32/DN40	-
KACUTAQ01.800	30Nm	1	3700	3,7	DN50/DN80	-
KACUTAQ02.800	70Nm	1	3085	3,1	DN100	DN50/DN80
220/230 VAC						
KACUTAQ03.800	100Nm	1	10000	10,0	DN125	DN100
KACUTAQ04.800	150Nm	1	10000	10,0	DN150	DN125
KACUTAQ06.800	300Nm	1	15000	15,0	DN200	DN150
KACUTAQ07.800	500Nm	1	15000	15,0	DN250	DN200
KACUTAQ11.800	840Nm	1	38000	38,0	DN300/DN350	-
KACUTAQ12.800	2000Nm	1	48000	48,0	DN400/DN450	-
KACUTAQ13.800	4300Nm	1	58000	58,0	DN500/DN600	-
24VDC						
KACUTAQ08.800	100Nm	1	10000	10,0	DN125	DN100
KACUTAQ09.800	150Nm	1	10000	10,0	DN150	DN125
KACUTAQ10.800	250Nm	1	15000	15,0	DN200	DN150

ACCESSORIES

ACCESSORIES FOR BUTTERFLY VALVES



Cast iron lever handle

Vir Code	DN mm - inches	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

Vir Code	DN mm - inches	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

Vir Code	DN mm - inches	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

ACCESSORIES

ACCESSORIES FOR BUTTERFLY VALVES



IP65 limit switch
For open or close position, screws included

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Version for cast iron lever				
KSC4PEA00.1612	DN32/DN80	1	150	0,2
Version for aluminium lever				
KSC4PEA01.1612	DN32/DN300	1	100	0,1

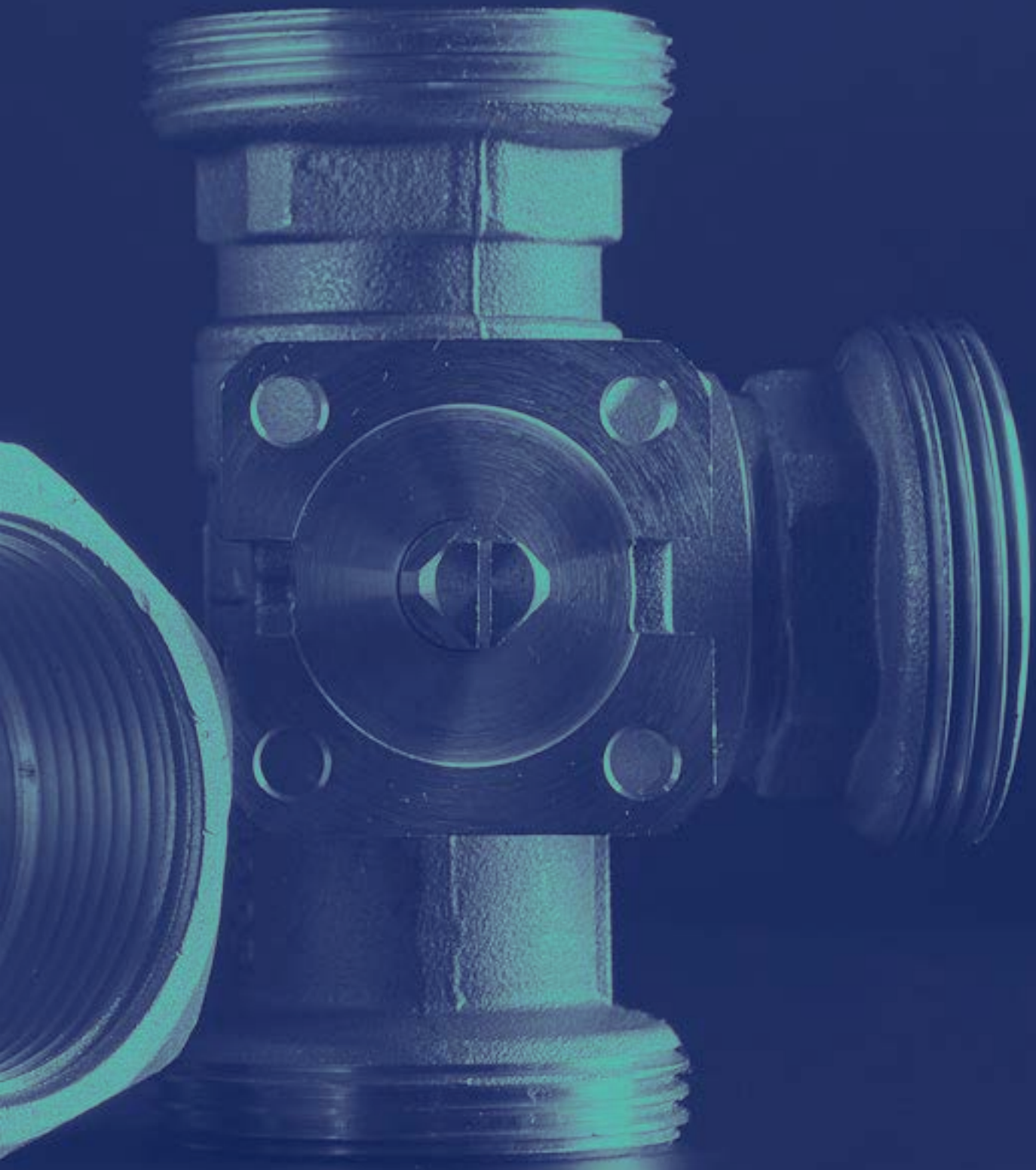


IP55 aluminum gear with limit switches
With ISO 5211 connection
1 open and 1 close limit switches



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
KXV4PEA00.2933	DN32/DN80	1	5500	5,5
KXV4PEB00.2933	DN100	1	5500	5,5
KXV4PEC00.2933	DN125/DN150	1	5500	5,5
KXV4PED00.2933	DN200	1	8000	8,0
KXV4PEE00.2933	DN250	1	8000	8,0
KXV4PEF00.2933	DN300	1	10500	10,5





REGULATING and CONTROL

980S

DZR BRASS 2-WAY REGULATION VALVE



DZR brass regulation ball valve with connection for actuator
 Threaded F/F (ISO 7/1 Rp) (available on request with ASME B1.20.1 NPT threads)
 Actuator connection according to ISO 5211 F04-□9mm
 Characteristic control curve according to VDI 2173
 Blow-out proof stem
 ACS and TR CU 010 compliant

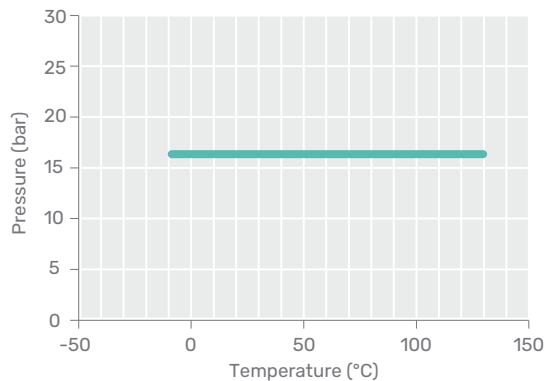
PN16
 Shell rating: PN40
 Max differential pressure 3,5bar

WORKING CONDITIONS

- Suitable for: water, -10°C to +130°C
 below 0°C only for water with added antifreeze fluids
 over 100°C only for water with added anti-boiling fluids
 (Ethylene glycol and propylene glycol mix. >20% and ≤50% may be used)

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F980Ss015.1861	015 - 1/2"	36	272	9,8
F980Ss020.1861	020 - 3/4"	36	303	10,9
F980Ss025.1861	025 - 1"	18	452	8,1
F980Ss032.1861	032 - 1 1/4"	18	689	12,4
F980Ss040.1861	040 - 1 1/2"	13	1114	14,5
F980Ss050.1861	050 - 2"	13	1748	22,7

Kv100%, DN15: 10 (s=0), 6,3 (s=1), 4,0 (s=2), 2,5 (s=3), 1,6 (s=4), 1,0 (s=5)
 0,63 (s=6), 0,4 (s=7), 0,25 (s=8)
 Kv100%, DN20: 10 (s=0), 6,3 (s=1), 4,0 (s=2)
 Kv100%, DN25: 16 (s=0), 10 (s=1), 6,3 (s=2)
 Kv100%, DN32: 25 (s=0), 16 (s=1), 10 (s=2)
 Kv100%, DN40: 40 (s=0), 25 (s=1), 16 (s=2)
 Kv100%, DN50: 63 (s=0), 40 (s=1), 25 (s=2)



980T

DZR BRASS 3-WAY REGULATION VALVE

ERC



DZR brass regulation ball valve with connection for actuator
Threaded F/F/F (ISO 7/1 Rp) (available on request with ASME B1.20.1
NPT threads)
Actuator connection according to ISO 5211 F04-□9mm
Characteristic control curve according to VDI 2173
Linear char. on by-pass according to VDI 2173
Blow-out proof stem
ACS and TR CU 010 compliant

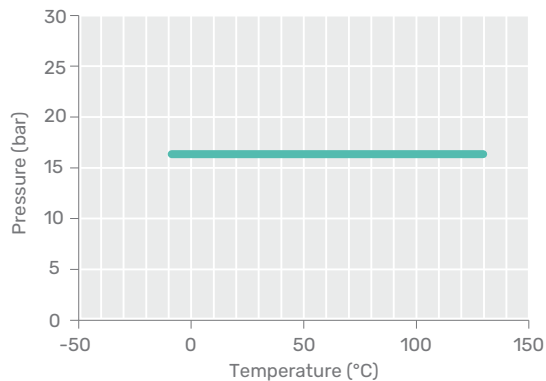
PN16
Shell rating: PN40
Max differential pressure 3,5bar

WORKING CONDITIONS

- Suitable for: water, -10°C to +130°C
below 0°C only for water with added antifreeze fluids
over 100°C only for water with added anti-boiling fluids
(Ethylene glycol and propylene glycol mix. >20% and ≤50% may be used)

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F980Ts015.1861	015 - 1/2"	36	306	11,1
F980Ts020.1861	020 - 3/4"	36	375	13,5
F980Ts025.1861	025 - 1"	18	604	10,9
F980Ts032.1861	032 - 1 1/4"	13	971	12,6
F980Ts040.1861	040 - 1 1/2"	13	1364	17,7
F980Ts050.1861	050 - 2"	3	2266	6,8

Kv100%, DN15: 6,3 (s=1), 4,0 (s=2), 2,5 (s=3), 1,6 (s=4)
Kv100%, DN20: 6,3 (s=1), 4,0 (s=2)
Kv100%, DN25: 10 (s=1)
Kv100%, DN32: 16 (s=1)
Kv100%, DN40: 25 (s=1)
Kv100%, DN50: 63 (s=0), 40 (s=1)



980F

DZR BRASS 2-WAY ON/OFF VALVE

ERC



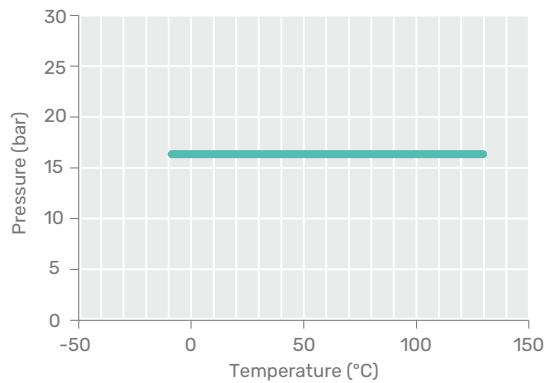
Threaded F/F (ISO 7/1 Rp)
 DZR brass body, flange, ball and stem
 Chromium plated ball, blow-out proof stem
 PTFE seats, EPDM Perox O-rings
 Actuator connection according to ISO 5211 F04-□9mm
 ACS and TR CU 010 compliant

PN16
 Shell rating: PN40
 Max differential pressure 3,5bar

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F980F0015.2390	015 - 1/2"	36	275	9,9
F980F0020.2390	020 - 3/4"	36	360	13,0
F980F0025.2390	025 - 1"	18	465	8,4
F980F0032.2390	032 - 1 1/4"	18	690	12,4
F980F0040.2390	040 - 1 1/2"	13	1120	14,6
F980F0050.2390	050 - 2"	13	1750	22,8

WORKING CONDITIONS

- Suitable for: water, -10°C to +130°C
 below 0°C only for water with added antifreeze fluids
 over 100°C only for water with added anti-boiling fluids
 (Ethylene glycol and propylene glycol mix. >20% and ≤50% may be used)



980FT, 980FL

DZR BRASS 3-WAY ON/OFF VALVE

ERC



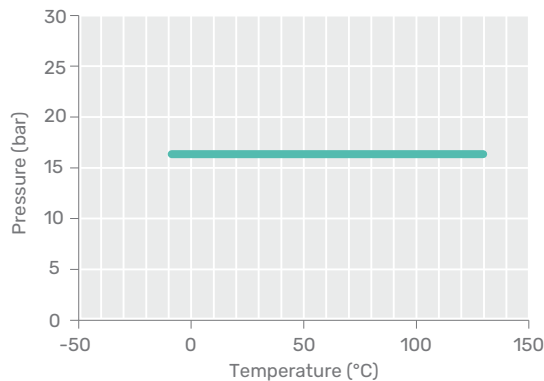
- Fig. 980FT 3-way with "T" ball, threaded F/F/F (ISO 7/1 Rp)
- Fig. 980FL 3-way with "L" ball, threaded F/F/F (ISO 7/1 Rp)
- DZR brass body, flange, ball and stem
- Chromium plated ball, blow-out proof stem
- PTFE seats, EPDM Perox O-rings
- Actuator connection according to ISO 5211 F04-□9mm
- ACS and TR CU 010 compliant

PN16
Shell rating: PN40
Max differential pressure 3,5bar

WORKING CONDITIONS

- Suitable for: water, -10°C to +130°C
below 0°C only for water with added antifreeze fluids
over 100°C only for water with added anti-boiling fluids
(Ethylene glycol and propylene glycol mix. >20% and ≤50% may be used)

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 980FT				
F980FT015.2390	015 - 1/2"	36	310	11,2
F980FT020.2390	020 - 3/4"	18	730	13,1
F980FT025.2390	025 - 1"	18	640	11,5
F980FT032.2390	032 - 1 1/4"	13	960	12,5
F980FT040.2390	040 - 1 1/2"	13	1390	18,1
F980FT050.2390	050 - 2"	3	2280	6,8
Fig. 980FL				
F980FL015.2390	015 - 1/2"	36	320	11,5
F980FL020.2390	020 - 3/4"	18	745	13,4
F980FL025.2390	025 - 1"	18	650	11,7
F980FL032.2390	032 - 1 1/4"	13	985	12,8
F980FL040.2390	040 - 1 1/2"	13	1425	18,5
F980FL050.2390	050 - 2"	3	2360	7,1



AM-980

ELECTRIC ACTUATOR FOR FIG. 9800 AND FIG. 980F



Electric actuator with ISO 5211 connection
Fast bayonet connection with ring for F04-□9mm.
Travel 90°, in 30 to 120 seconds
Manual override
With 120cm electric wire
Enclosure protection IP54 according EN 60529

AVAILABLE IN FOLLOWING VERSIONS

- 2/3 points control, 230VAC
- 2/3 points control, 24VAC
- 0-10V control signal, 24V AC/DC

Ver. 0-10V with equal-percentage, linear or quadratic characteristic
Working ambient temperature: -10° to +55°C (RH 5%-95%, no condensation)

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
230VAC version, travel 120°, 2/3 points control				
KAM15F120.800	015 - 050	1	700	0,7
24VAC version, travel 120°, 2/3 points control				
KAM15F122.800	015 - 050	1	700	0,7
24V AC/DC version, adj. travel 35°/60°/120°, 0-10V control				
KAM15S132.800	015 - 050	1	700	0,7





GATE, GLOBE and CHECK

BRASS METAL SEALED GATE VALVE



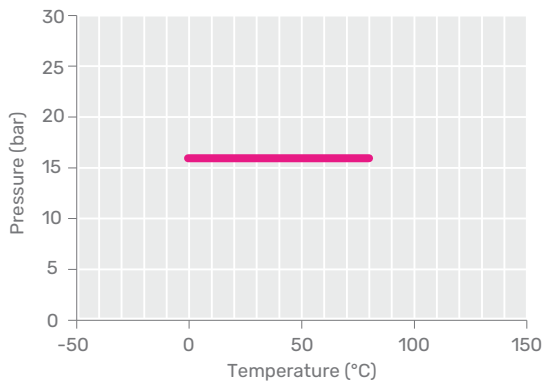
Brass gate valve
 Threaded F/F (ISO 228/1)
 Non rising blow-out proof stem
 Adjustable fiber packing
 Metal seal
 WRAS and TR CU 010 compliant

PN16

WORKING CONDITIONS

- Suitable for: water, 0°C to +80°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F040K0015.1872	015 - 1/2"	80	181	14,5
F040K0020.1872	020 - 3/4"	60	257	15,4
F040K0025.1872	025 - 1"	30	357	10,7
F040K0032.1872	032 - 1 1/4"	20	501	10,0
F040K0040.1872	040 - 1 1/2"	15	667	10,0
F040K0050.1872	050 - 2"	10	1042	10,4
F040K0065.1872	065 - 2 1/2"	10	1620	16,2
F040K0080.1872	080 - 3"	8	2197	17,6
F040K0100.1872	100 - 4"	4	3939	15,8



BRASS METAL SEALED GATE VALVE

EAC



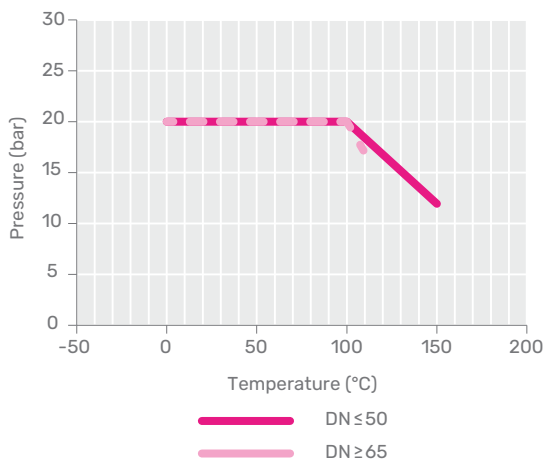
Brass gate valve
Threaded F/F (ISO 228/1)
Compliant to EN12288 (ex BS5154) up to DN50 included
Non rising blow-out proof stem
Adjustable fiber packing
Metal seal

PN20
DN≤50 max 20bar up to 100°C, max 13bar at 150°C
DN≥65 max 20bar up to 100°C, max 18bar at 110°C

WORKING CONDITIONS

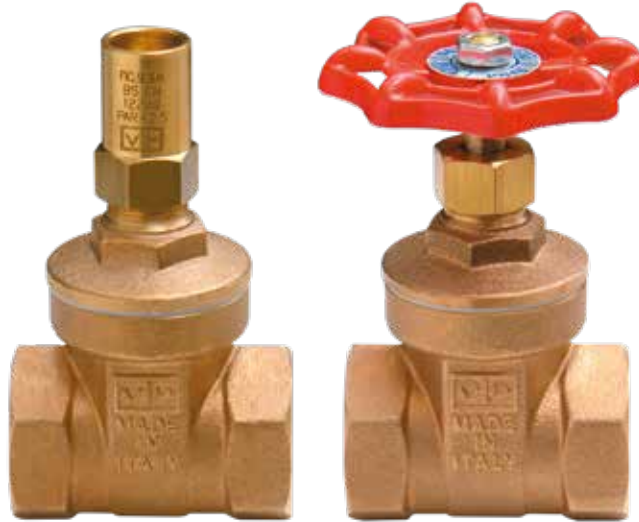
- Suitable for: water, 0°C to +150°C (110°C for DN≥65)

Vir Code	DN mm - inches	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



90, 90LK

BRONZE METAL SEALED GATE VALVE



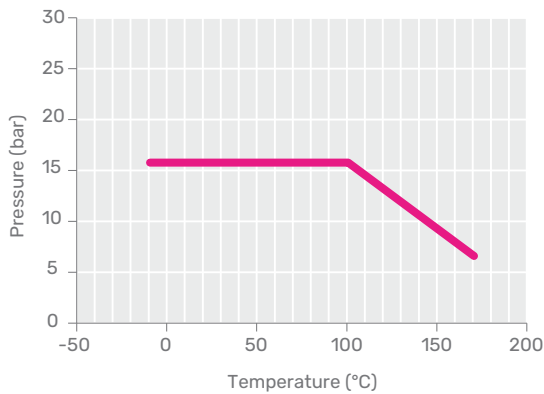
Bronze gate valve
 Threaded F/F (ISO 7/1 Rp)
 EN12288/B (ex BS5154/B) compliant
 Air testing according to EN12266-1
 Bronze body and bonnet, DZR brass internals
 Non rising blow-out proof stem
 Adjustable graphite packing
 Metal seal
 WRAS and TR CU 010 compliant

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

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 90				
F0900B015.2683	015 - 1/2"	60	235	14,1
F0900B020.2683	020 - 3/4"	50	310	15,5
F0900B025.2683	025 - 1"	25	470	11,8
F0900B032.2683	032 - 1 1/4"	15	740	11,1
F0900B040.2683	040 - 1 1/2"	10	920	9,2
F0900B050.2683	050 - 2"	6	1580	9,5
Fig. 90LK				
F090LB015.2714	015 - 1/2"	60	221	13,3
F090LB020.2714	020 - 3/4"	50	298	14,9
F090LB025.2714	025 - 1"	25	459	11,5
F090LB032.2714	032 - 1 1/4"	15	707	10,6
F090LB040.2714	040 - 1 1/2"	10	937	9,4
F090LB050.2714	050 - 2"	6	1536	9,2



100-100LK

BRONZE METAL SEALED GATE VALVE



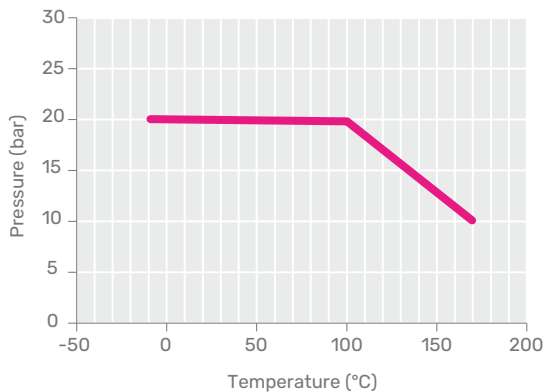
Bronze gate valve
 Threaded F/F (ISO 7/1 Rp)
 EN12288/B (ex BS5154/B) compliant
 Air testing according to EN12266-1
 Bronze body and bonnet, DZR brass internals
 Non rising blow-out proof stem
 Adjustable graphite packing
 Metal seal
 WRAS and TR CU 010 compliant
 PN20 (Max 20bar up to 100°C, max 10bar at 170°C)

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 100				
F1000B015.3000	015 - 1/2"	60	235	14,1
F1000B020.3000	020 - 3/4"	50	310	15,5
F1000B025.3000	025 - 1"	25	470	11,8
F1000B032.3000	032 - 1 1/4"	15	740	11,1
F1000B040.3000	040 - 1 1/2"	10	920	9,2
F1000B050.3000	050 - 2"	6	1580	9,5
Fig. 100LK				
F100LB015.3001	015 - 1/2"	60	221	13,3
F100LB020.3001	020 - 3/4"	50	298	14,9
F100LB025.3001	025 - 1"	25	459	16,1
F100LB032.3001	032 - 1 1/4"	15	707	10,6
F100LB040.3001	040 - 1 1/2"	10	937	9,4
F100LB050.3001	050 - 2"	6	1536	9,2

Lockshield key for Fig. 100LK (KUT090010.2800) available on request



BRONZE METAL SEALED GATE VALVE



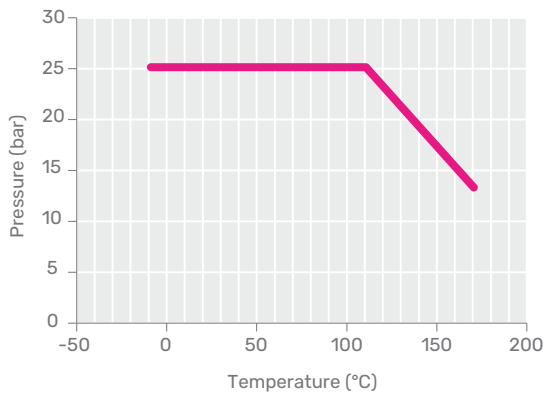
Bronze gate valve
 Threaded F/F (ISO 7/1 Rp)
 EN12288/B (ex BS5154/B) compliant
 Air testing according to EN12266-1
 Non rising blow-out proof stem
 Adjustable graphite packing
 Metal seal

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F1100B020.2796	020 - 3/4"	48	450	21,6
F1100B025.2796	025 - 1"	40	700	28,0
F1100B032.2796	032 - 1 1/4"	20	1000	20,0
F1100B040.2796	040 - 1 1/2"	16	1390	22,2
F1100B050.2796	050 - 2"	12	2120	25,4

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

WORKING CONDITIONS

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



BRONZE METAL SEALED UNION BONNET GATE VALVE

ERC



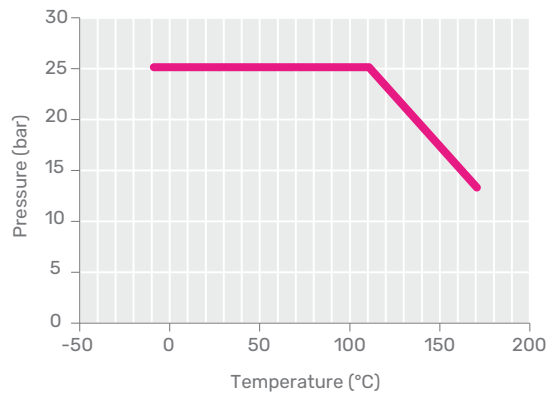
Bronze union bonnet gate valve
 Threaded F/F (ISO 7/1 Rp)
 EN12288/B (ex BS5154/B) compliant
 Air testing according to EN12266-1
 Rising stem with backseat
 Adjustable graphite packing
 Metal seal
 TR CU 010 compliant

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

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

WORKING CONDITIONS

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



DUCTILE IRON SOFT SEALED FLANGED GATE VALVE



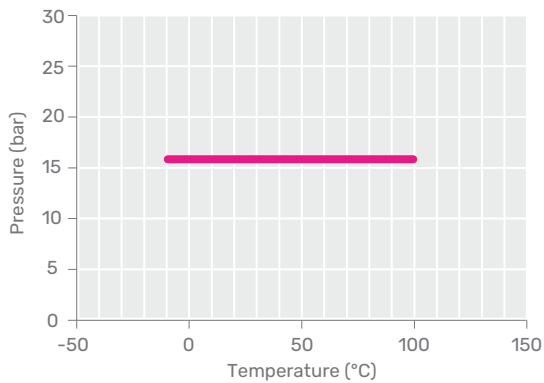
Ductile iron soft sealed gate valve
 Flanged PN16 according to EN1092-2 (ex DIN2533)
 Lengths according EN558-1 series 14 (ex DIN3202 F4)
 Epoxy coating (min. 250µm)
 EPDM coated ductile iron wedge
 Non rising stainless steel stem
 PTFE/EPDM gaskets
 TR CU 010 and WRAS compliant

PN16

WORKING CONDITIONS

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

Vir Code	DN mm - inches	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



CAST IRON METAL SEALED FLANGED GATE VALVE

ERC



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

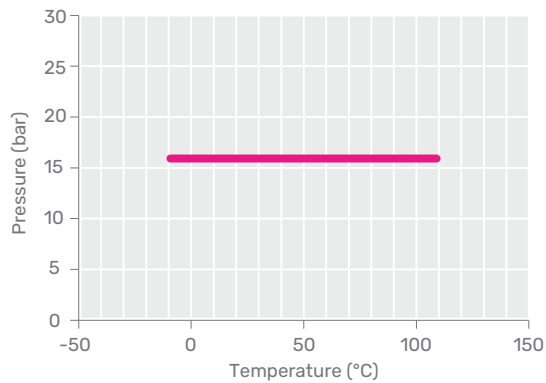
PN16

WORKING CONDITIONS

- Suitable for: water, -10°C to +110°C
 below 0°C only for water with added antifreeze fluids

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F0924I050.2828	050 - 2"	1	15000	15,0
F0924I065.2828	065 - 2 1/2"	1	18100	18,1
F0924I080.2828	080 - 3"	1	22400	22,4
F0924I100.2828	100 - 4"	1	31400	31,4
F0924I125.2828	125 - 5"	1	40450	40,5
F0924I150.2828	150 - 6"	1	56200	56,2
F0924I200.2829	200 - 8"	1	81500	81,5
F0924I250.2829	250 - 10"	1	130300	130,3
F0924I300.2829	300 - 12"	1	187200	187,2

Also available up to DN600 on request



400, 405

BRONZE GLOBE VALVE

ERC



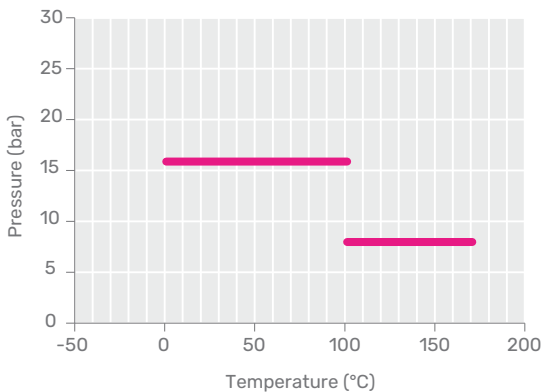
Bronze globe valve
Threaded F/F (ISO 228/1)
Rising stem
FKM (Fig. 400) or NBR (Fig. 405) O-ring + adjustable graphite packing
With PTFE seal (Fig. 400) or metal seal (Fig. 405)
TR CU 010 compliant

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

WORKING CONDITIONS

- Suitable for: water, 0°C to +170°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 400, valve with PTFE seal				
F4000B008.2459	008 - 1/4"	144	195	28,1
F4000B010.2459	010 - 3/8"	144	220	31,7
F4000B015.2459	015 - 1/2"	120	241	28,9
F4000B020.2459	020 - 3/4"	96	312	30,0
F4000B025.2459	025 - 1"	72	445	32,0
F4000B032.2459	032 - 1 1/4"	50	640	32,0
F4000B040.2459	040 - 1 1/2"	30	943	28,3
F4000B050.2459	050 - 2"	20	1160	23,2
F4000B065.2459	065 - 2 1/2"	10	4069	40,7
F4000B080.2459	080 - 3"	8	4800	38,4
F4000B100.2459	100 - 4"	5	7500	37,5
Fig. 405, valve with metal seal				
F4050B008.2459	008 - 1/4"	144	195	28,1
F4050B010.2459	010 - 3/8"	144	218	31,4
F4050B015.2459	015 - 1/2"	120	236	28,3
F4050B020.2459	020 - 3/4"	96	310	29,8
F4050B025.2459	025 - 1"	72	448	32,3
F4050B032.2459	032 - 1 1/4"	50	618	30,9
F4050B040.2459	040 - 1 1/2"	30	943	28,3
F4050B050.2459	050 - 2"	20	1184	23,7
F4050B065.2459	065 - 2 1/2"	10	4033	40,3
F4050B080.2459	080 - 3"	8	4900	39,2
F4050B100.2459	100 - 4"	5	7500	37,5



1510

CAST IRON GLOBE VALVE

ERC



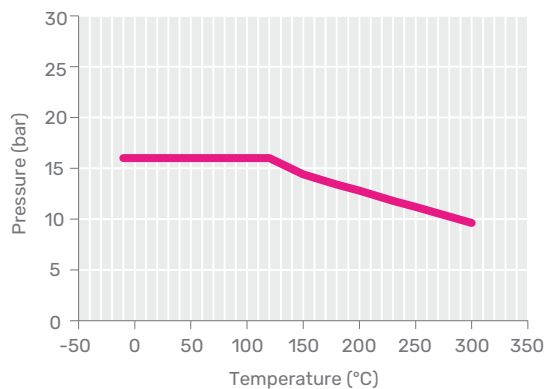
Cast iron globe valve
 Flanged PN16 according to EN1092-2 (ex DIN2533)
 Testing to EN12266-1, lengths to EN558-1 series 1 (ex DIN3202 F1)
 Graphite gasket and packing
 Rising stem, stainless steel internals
 TR CU 010 compliant

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

WORKING CONDITIONS

- Suitable for: water, -10°C to +300°C
 below 0°C only for water with added antifreeze fluids

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F1510I015.1328	015 - 1/2"	1	3300	3,3
F1510I020.1328	020 - 3/4"	1	3800	3,8
F1510I025.1328	025 - 1"	1	5100	5,1
F1510I032.1328	032 - 1 1/4"	1	6600	6,6
F1510I040.1328	040 - 1 1/2"	1	9500	9,5
F1510I050.1328	050 - 2"	1	12000	12,0
F1510I065.1328	065 - 2 1/2"	1	18500	18,5
F1510I080.1328	080 - 3"	1	23500	23,5
F1510I100.1328	100 - 4"	1	35800	35,8
F1510I125.1328	125 - 5"	1	53000	53,0
F1510I150.1328	150 - 6"	1	75000	75,0
F1510I200.1328	200 - 8"	1	140000	140,0
F1510I250.1328	250 - 10"	1	220000	220,0
F1510I300.1328	300 - 12"	1	330000	330,0



BRASS SWING CHECK VALVE

ERC



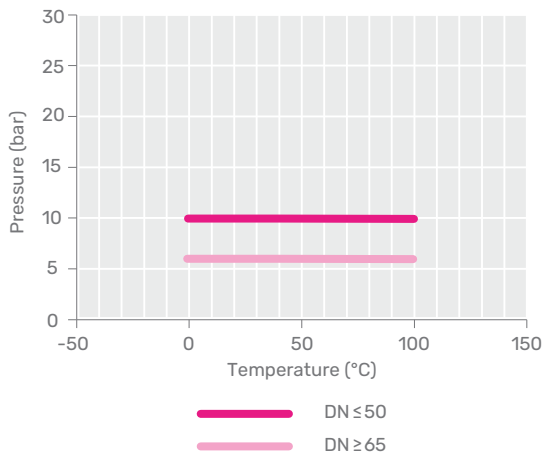
Brass swing check valve
 Threaded F/F (ISO 228/1)
 NBR seal, fiber gasket
 Minimum opening pressure 0,03bar
 TR CU 010 compliant

PN10 (PN6 for DN≥65)

WORKING CONDITIONS

- Suitable for: water, 0°C to +100°C

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



BRONZE SWING CHECK VALVE

EAC



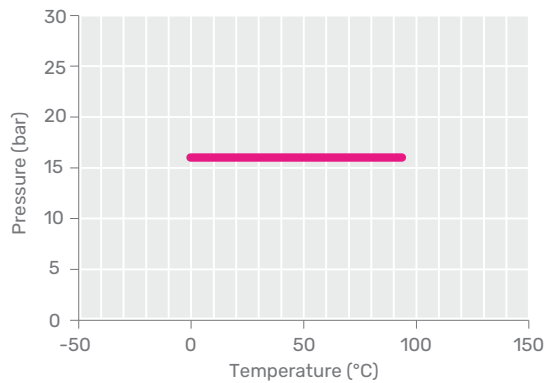
Bronze swing check valve
Threaded F/F (ISO 228/1)
Brass internal parts, metal seat, NBR gaskets
TR CU 010 compliant

PN16

WORKING CONDITIONS

- Suitable for: water, 0°C to +95°C

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



815V

BRASS FOOT VALVE

ERC



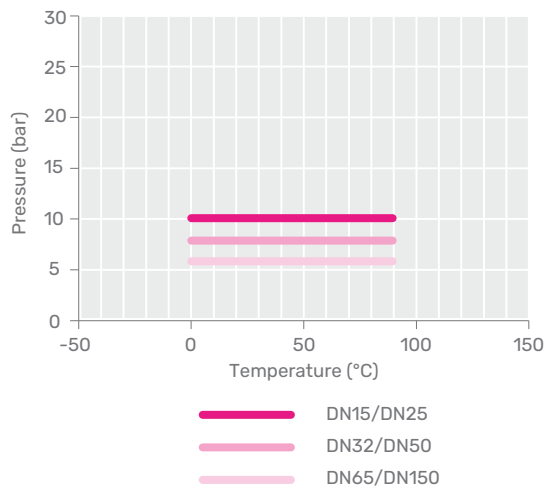
Brass foot valve
Female threaded (ISO 228/1)
SBR seal
Fiber body-strainer gasket
To be installed vertically (with upward flow)
TR CU 010 compliant

PN10
(PN8 for DN32/DN50, PN6 for DN≥65)

WORKING CONDITIONS

- Suitable for: water, 0°C to +90°C

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



SPRING-LOADED BRASS CHECK VALVE

EAC



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

PN16 (PN10 for DN≥65)

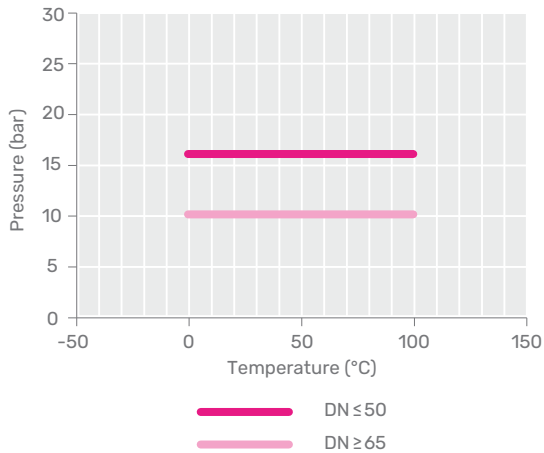
WORKING CONDITIONS

- Suitable for: water, 0°C to +100°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F76500015.1014	015 - 1/2"	1	170	0,2
F76500020.1014	020 - 3/4"	1	155	0,2
F76500025.1014	025 - 1"	1	275	0,3
F76500032.1014	032 - 1 1/4"	1	350	0,4
F76500040.1014	040 - 1 1/2"	1	470	0,5
F76500050.1014	050 - 2"	1	710	0,7
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

KFF760015.1371	015 - 1/2"	1	7	0,1
KFF760020.1371	020 - 3/4"	1	11	0,1
KFF760025.1371	025 - 1"	1	20	0,1
KFF760032.1371	032 - 1 1/4"	1	25	0,1
KFF760040.1371	040 - 1 1/2"	1	35	0,1
KFF760050.1371	050 - 2"	1	45	0,1
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



CAST IRON DUAL PLATE CHECK VALVE



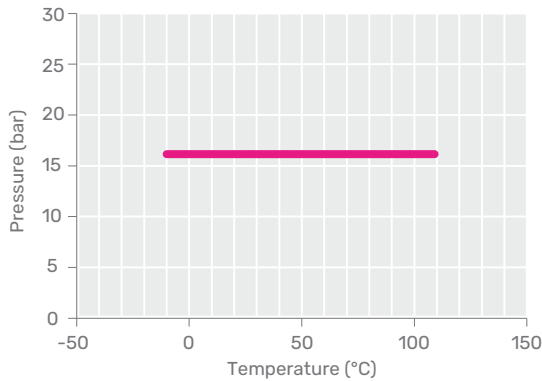
Cast iron dual plate check valve
 Wafer type suitable for EN1092 PN16 flanges
 Suitable also for flanges PN10 up to DN≤250
 Design according to EN12334
 Testing according to EN12266-1
 Lengths according to EN558-1 series 16
 Stainless steel internals, EPDM seat, PTFE washers
 To be installed horizontally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

PN16

WORKING CONDITIONS

- Suitable for: water, -10°C to +110°C
 below 0°C only for water with added antifreeze fluids

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F77600050.1013	050 - 2"	1	1500	1,5
F77600065.1013	065 - 2 1/2"	1	2300	2,3
F77600080.1013	080 - 3"	1	3600	3,6
F77600100.1013	100 - 4"	1	4350	4,4
F77600125.1013	125 - 5"	1	6000	6,0
F77600150.1013	150 - 6"	1	8600	8,6
F77600200.1013	200 - 8"	1	15200	15,2
F77600250.1013	250 - 10"	1	24000	24,0
F77600300.1013	300 - 12"	1	32000	32,0
F77600350.1013	350 - 14"	1	40750	40,8
F77600400.1013	400 - 16"	1	62500	62,5
F77600450.1013	450 - 18"	1	98000	98,0
F77600500.1013	500 - 20"	1	125000	125,0
F77600600.1013	600 - 24"	1	170000	170,0



776H

DUCTILE IRON DUAL PLATE CHECK VALVE (PN25)

ERC



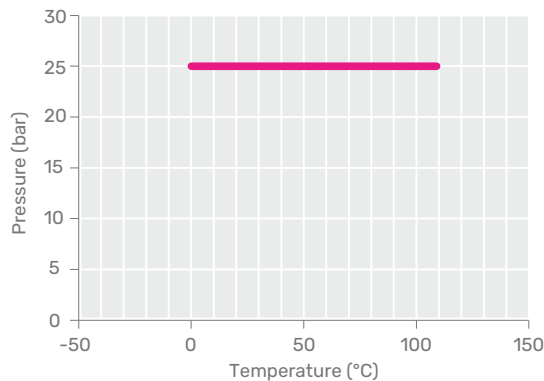
Ductile iron dual plate check valve
 Wafer type suitable for EN1092 PN25 flanges
 Suitable also for flanges PN10 up to DN≤250
 Design according to EN12334
 Testing according to EN12266-1
 Lengths according to EN558-1 series 16
 Stainless steel internals, EPDM seat, PTFE washers
 To be installed horizontally or vertically (with upward flow)
 Provided with eyebolt for DN≥125
 Minimum opening pressure 0,04bar
 TR CU 010 compliant

PN25

WORKING CONDITIONS

- Suitable for: water, 0°C to +110°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F77600050.2918	050 - 2"	1	1500	1,5
F77600065.2918	065 - 2 1/2"	1	2300	2,3
F77600080.2918	080 - 3"	1	3600	3,6
F77600100.2918	100 - 4"	1	4350	4,4
F77600125.2918	125 - 5"	1	6000	6,0
F77600150.2918	150 - 6"	1	8600	8,6
F77600200.2918	200 - 8"	1	15200	15,2
F77600250.2918	250 - 10"	1	22000	22,0
F77600300.2918	300 - 12"	1	30000	30,0
F77600350.2918	350 - 14"	1	48000	48,0



890, 890E

CAST IRON SWING CHECK VALVE

ERC



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)
 Metal seat (890) or EPDM seat (890E)
 Body/bonnet gasket in EPDM
 TR CU 010 compliant

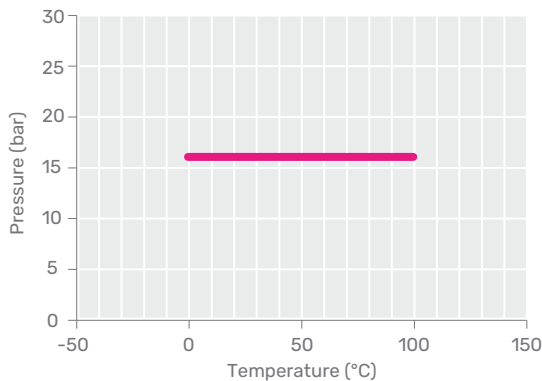
PN16

WORKING CONDITIONS

- Suitable for: water, 0°C to +100°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 890				
F8905I040.1015	040 - 1 1/2"	1	8800	8,8
F8905I050.1015	050 - 2"	1	12400	12,4
F8905I065.1015	065 - 2 1/2"	1	15200	15,2
F8905I080.1015	080 - 3"	1	19500	19,5
F8905I100.1015	100 - 4"	1	26810	26,8
F8905I125.1015	125 - 5"	1	42000	42,0
F8905I150.1015	150 - 6"	1	57720	57,7
F8905I200.1015	200 - 8"	1	93000	93,0
F8905I250.1015	250 - 10"	1	145000	145,0
F8905I300.1015	300 - 12"	1	221000	221,0
F8905I350.1015	350 - 14"	1	265000	265,0
F8905I400.1015	400 - 16"	1	357000	357,0

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 890E				
F8905I040.2837	040 - 1 1/2"	1	8800	8,8
F8905I050.2837	050 - 2"	1	12400	12,4
F8905I065.2837	065 - 2 1/2"	1	15200	15,2
F8905I080.2837	080 - 3"	1	19500	19,5
F8905I100.2837	100 - 4"	1	26810	26,8
F8905I125.2837	125 - 5"	1	42000	42,0
F8905I150.2837	150 - 6"	1	57700	57,7
F8905I200.2837	200 - 8"	1	93000	93,0
F8905I250.2837	250 - 10"	1	145000	145,0
F8905I300.2837	300 - 12"	1	221000	221,0
F8905I350.2837	350 - 14"	1	265000	265,0
F8905I400.2837	400 - 16"	1	357000	357,0



CAST IRON BALL CHECK VALVE

ERC



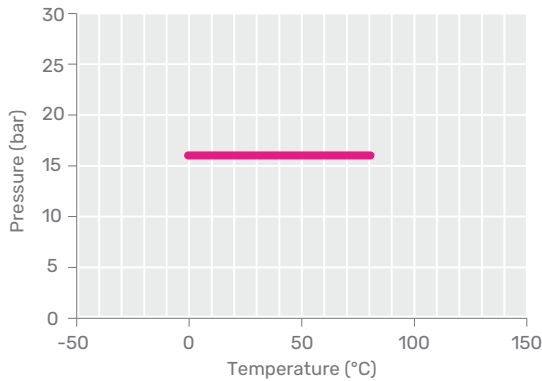
Cast iron ball check valve
 Threaded F/F (ISO 228/1) for DN15-DN50
 Flanged PN16 according to EN1092-2 (ex DIN2533) for DN65-DN300
 Lengths according to EN558-1 series 48 (ex DIN3202 F6) for DN65-DN300
 NBR metal coated ball, NBR gasket
 Minimum opening pressure 0,04bar
 TR CU 010 compliant

PN16

WORKING CONDITIONS

- Suitable for: water, 0°C to +80°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Threaded version				
F8060I025.2245	025 - 1"	1	1330	1,3
F8060I032.2245	032 - 1 1/4"	1	1430	1,4
F8060I040.2245	040 - 1 1/2"	1	2000	2,0
F8060I050.2245	050 - 2"	1	3500	3,5
Flanged version				
F8060I065.2246	065 - 2 1/2"	1	11500	11,5
F8060I080.2246	080 - 3"	1	15100	15,1
F8060I100.2246	100 - 4"	1	21500	21,5
F8060I125.2246	125 - 5"	1	33500	33,5
F8060I150.2246	150 - 6"	1	47000	47,0
F8060I200.2246	200 - 8"	1	85000	85,0
F8060I250.2246	250 - 10"	1	85000	85,0
F8060I300.2246	300 - 12"	1	203000	203,0



CAST IRON SILENT CHECK VALVE

ERC



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

PN16

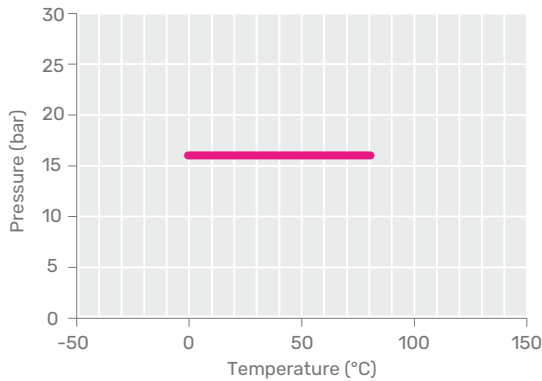
WORKING CONDITIONS

- Suitable for: water, 0°C to +80°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F7900I050.695	050 - 2"	1	5100	5,1
F7900I065.695	065 - 2 1/2"	1	7700	7,7
F7900I080.695	080 - 3"	1	9500	9,5
F7900I100.695	100 - 4"	1	12500	12,5
F7900I125.695	125 - 5"	1	20510	20,5
F7900I150.695	150 - 6"	1	29000	29,0
F7900I200.695	200 - 8"	1	47000	47,0
F7900I250.695	250 - 10"	1	70000	70,0
F7900I300.695	300 - 12"	1	105000	105,0

Optional foot strainer

KFF790050.1582	050 - 2"	1	400	0,4
KFF790065.1582	065 - 2 1/2"	1	700	0,7
KFF790080.1582	080 - 3"	1	800	0,8
KFF790100.1582	100 - 4"	1	1000	1,0
KFF790125.1582	125 - 5"	1	1500	1,5
KFF790150.1582	150 - 6"	1	2700	2,7
KFF790200.1582	200 - 8"	1	3500	3,5
KFF790250.1582	250 - 10"	1	4500	4,5
KFF790300.1582	300 - 12"	1	5250	5,3



CAST IRON PISTON CHECK VALVE

ERC



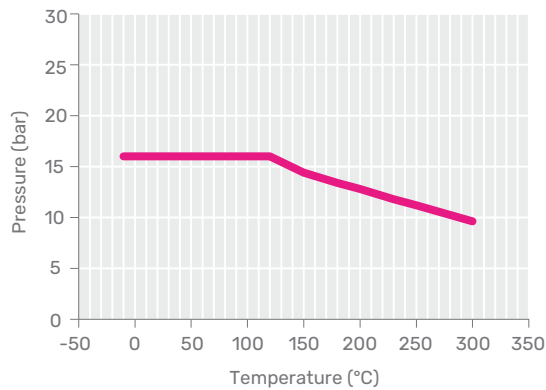
Cast iron piston check valve
 Flanged PN16 according to EN1092-2 (ex DIN2533)
 Lengths according to EN558-1 series 1 (ex DIN3202 F1)
 Stainless steel seat and internals
 TR CU 010 compliant

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

WORKING CONDITIONS

- Suitable for: water, -10°C to +300°C
 below 0°C only for water with added antifreeze fluids

Vir Code	DN mm - inches	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	250000	250,0







STRAINERS

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)

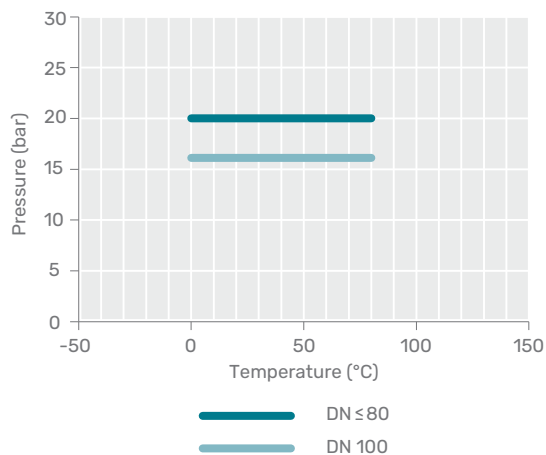
PN20 (PN16 for DN100)

WORKING CONDITIONS

- Suitable for: water, 0°C to +80°C

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

Spare strainer KFF899mis.2342 from DN10 to DN100 available on request



STAINLESS STEEL STRAINER



Stainless steel strainer
 Threaded F/F (ISO 7/1 Rp)
 Stainless steel SS316 body and bonnet
 Body/bonnet gasket in PTFE
 (Mesh 450µm)

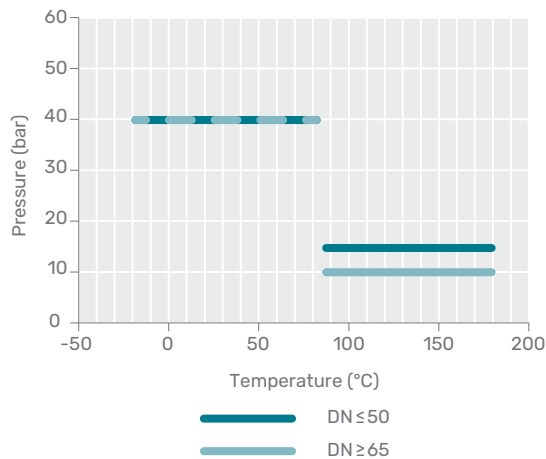
PN40

For DN≤50: max 40bar up to 85°C, max 16bar above
 For DN≥65: max 40bar up to 85°C, max 10bar above

WORKING CONDITIONS

- Suitable for: water, -20°C to +180°C
 below 0°C only for water with added antifreeze fluids

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F8990S015.3017	015 - 1/2"	1	134	0,1
F8990S020.3017	020 - 3/4"	1	286	0,3
F8990S025.3017	025 - 1"	1	350	0,4
F8990S032.3017	032 - 1 1/4"	1	533	0,5
F8990S040.3017	040 - 1 1/2"	1	707	0,7
F8990S050.3017	050 - 2"	1	1018	1,0
F8990S065.3017	065 - 2 1/2"	1	2680	2,7
F8990S080.3017	080 - 3"	1	5380	5,4
F8990S100.3017	100 - 4"	1	5890	5,9



BRONZE STRAINER



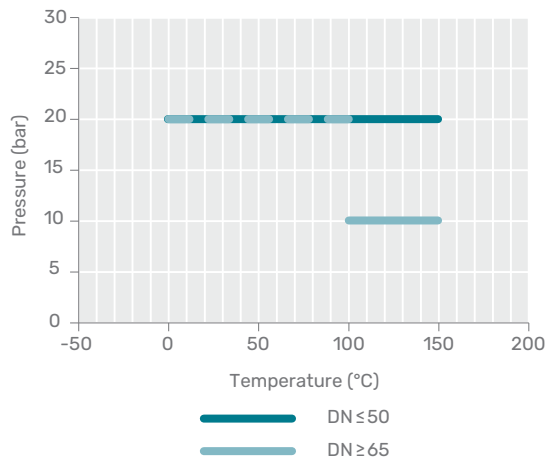
Bronze strainer with brass cap
 Threaded F/F (ISO 228/1)
 Stainless steel strainer, fiber or PTFE gasket (depending on size)
 (mesh $\emptyset 0,5\text{mm}$ up to $\text{DN}\leq 20$, $\emptyset 0,8\text{mm}$ above)
 WRAS compliant (1/2" - 2")

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

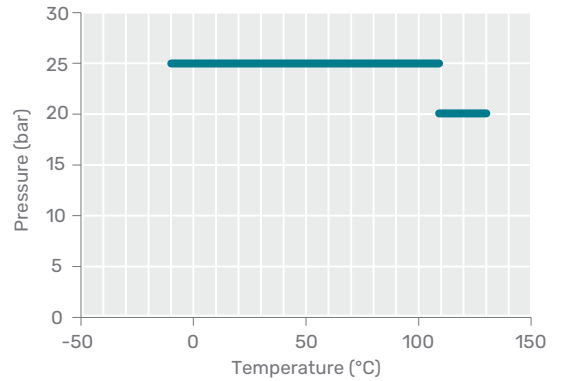
WORKING CONDITIONS

- Suitable for: water, 0°C to +150°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F9000B010.19	010 - 3/8"	100	178	17,8
F9000B015.1553	015 - 1/2"	100	175	17,5
F9000B020.1553	020 - 3/4"	50	290	14,5
F9000B025.1553	025 - 1"	40	410	16,4
F9000B032.1553	032 - 1 1/4"	20	700	14,0
F9000B040.1553	040 - 1 1/2"	10	915	9,2
F9000B050.1553	050 - 2"	10	1390	13,9
F9000B065.19	065 - 2 1/2"	8	2800	22,4
F9000B080.19	080 - 3"	4	3725	14,9
F9000B100.19	100 - 4"	2	6860	13,7



DZR BRASS STRAINER WITH DRAIN AND SIDE BOSSES



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

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

WORKING CONDITIONS

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

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

89DV-241 valve for drain

F241X0010.1962	010 - 3/8"	1	130	0,1
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Can be mounted on drain: Fig. 95TP/Fig. 9315 test point (pag.29 with drain or thermometer. Other accessories available on request.

ERC



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

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

WORKING CONDITIONS

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

CAST IRON STRAINER

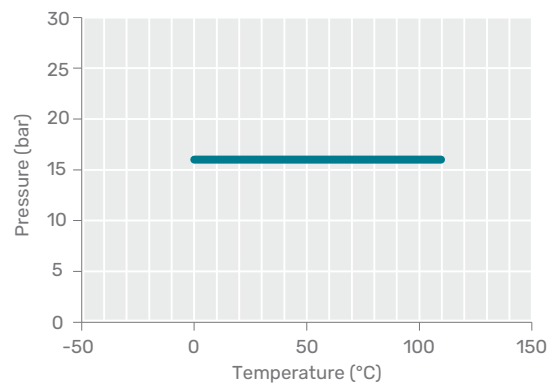


Cast iron strainer in GG25
 Flanged PN16 according to EN1092-2 (ex DIN2533)
 Lengths according to EN558-1 series 1 (ex DIN3202 F1)
 Epoxy coating (min. 200µm)
 Steel strainer in SS304 with round holes mesh, EPDM gasket
 Hole diameter 1,5mm up to DN≤150, 2,0mm above
 With threaded drain (from 1/2" to 1" depending on the sizes)
 WRAS compliant from DN32 to DN500

PN16

WORKING CONDITIONS

- Suitable for: water, 0°C to +110°C



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F8951I015.842	015 - 1/2"	1	2000	2,0
F8951I020.842	020 - 3/4"	1	3000	3,0
F8951I025.842	025 - 1"	1	4000	4,0
F8951I032.842	032 - 1 1/4"	1	6000	6,0
F8951I040.842	040 - 1 1/2"	1	7200	7,2
F8951I050.842	050 - 2"	1	10700	10,7
F8951I065.842	065 - 2 1/2"	1	15300	15,3
F8951I080.842	080 - 3"	1	20100	20,1
F8951I100.842	100 - 4"	1	25400	25,4
F8951I125.842	125 - 5"	1	37600	37,6
F8951I150.842	150 - 6"	1	52870	52,9
F8951I200.842	200 - 8"	1	90600	90,6
F8951I250.842	250 - 10"	1	135500	135,5
F8951I300.842	300 - 12"	1	184500	184,5
F8951I350.842	350 - 14"	1	293500	293,5
F8951I400.842	400 - 16"	1	389000	389,0
F8951I450.842	450 - 18"	1	510000	510,0
F8951I500.842	500 - 20"	1	640000	640,0
F8951I600.842	600 - 24"	1	1072000	1072,0

Spare strainer with 1 mm (KFF895mis.3071) and 0,8mm (KFF-895mis.3072) hole diameter

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
KFF895032.307s	032 - 1 1/2"	1	450	0,5
KFF895040.307s	040 - 1 1/4"	1	1280	1,3
KFF895050.307s	050 - 2"	1	2300	2,3
KFF895065.307s	065 - 2 1/2"	1	3200	3,2
KFF895080.307s	080 - 3"	1	4700	4,7
KFF895100.307s	100 - 4"	1	6600	6,6
KFF895125.307s	125 - 5"	1	9500	9,5
KFF895150.307s	150 - 6"	1	13300	13,3
KFF895200.307s	200 - 8"	1	21600	21,6
KFF895250.307s	250 - 10"	1	31900	31,9
KFF895300.307s	300 - 12"	1	44100	44,1

Spare strainer: KFF895mis.2025
 Spare graphite gasket: KXG895mis.2397

895H

DUCTILE IRON STRAINER (PN25)



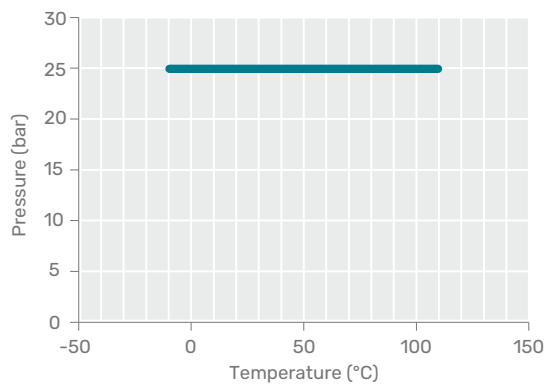
Ductile iron strainer
Flanged PN25 according to EN1092-2 (ex DIN2533)
Lengths according to EN558-1 series 1 (ex DIN3202 F1)
Epoxy coating (min. 200µm)
Steel strainer in SS304 with round holes mesh
Hole diameter 1,5mm up to DN≤200, 2,0mm above
With threaded drain (from 1" to 2" depending on the sizes)

PN25

WORKING CONDITIONS

- Suitable for: water, -10°C to +110°C
below 0°C only for water with added antifreeze fluids

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F89511050.2932	050 - 2"	1	10000	10,0
F89511065.2932	065 - 2 1/2"	1	15000	15,0
F89511080.2932	080 - 3"	1	18000	18,0
F89511100.2932	100 - 4"	1	26000	26,0
F89511125.2932	125 - 5"	1	39000	39,0
F89511150.2932	150 - 6"	1	50000	50,0
F89511200.2932	200 - 8"	1	80000	80,0
F89511250.2932	250 - 10"	1	130000	130,0
F89511300.2932	300 - 12"	1	180000	180,0
F89511350.2932	350 - 14"	1	285000	285,0







DN 65 PN10 - 16

S 23011

FLEXIBLE JOINTS and AIR VENTS

9390

BRASS AUTOMATIC AIR VENT

ERC



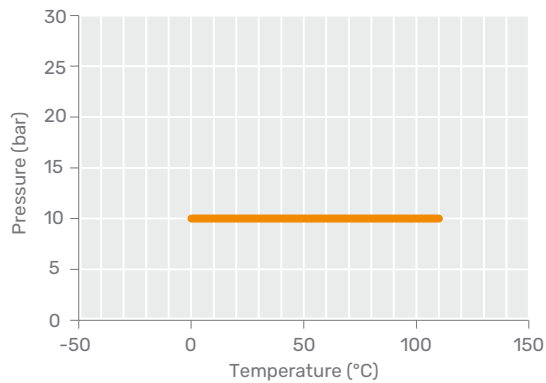
Brass automatic air vent
Threaded M (ISO 228/1)
With plastic internal parts
EPDM body O-ring, polyamide vent plug
TR CU 010 compliant

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F93900010.1776	010 - 3/8"	1	150	0,2
F93900015.1776	015 - 1/2"	1	154	0,2

PN10

WORKING CONDITIONS

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



9380

CAST IRON AUTOMATIC AIR VENT

ERC



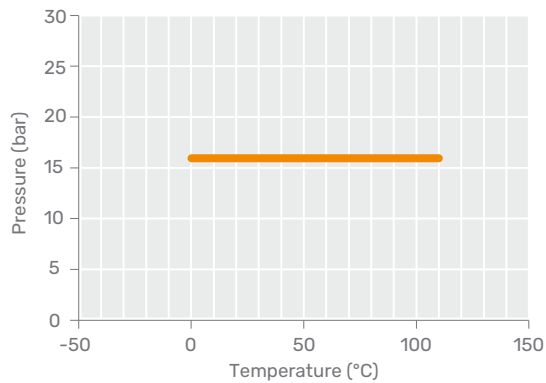
Cast iron automatic air vent
Threaded F (ISO 7/1 Rp)
Epoxy coating
Stainless steel internal parts, EPDM gasket, brass vent

PN16

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F9380I015.2833	015 - 1/2"	1	3500	3,5
F9380I020.2833	020 - 3/4"	1	3500	3,5
F9380I025.2833	025 - 1"	1	3500	3,5
F9380I032.2833	032 - 1 1/4"	1	4000	4,0
F9380I040.2833	040 - 1 1/2"	1	4000	4,0
F9380I050.2833	050 - 2"	1	4000	4,0



DOUBLE SPHERE THREADED RUBBER FLEXIBLE JOINT

EAC



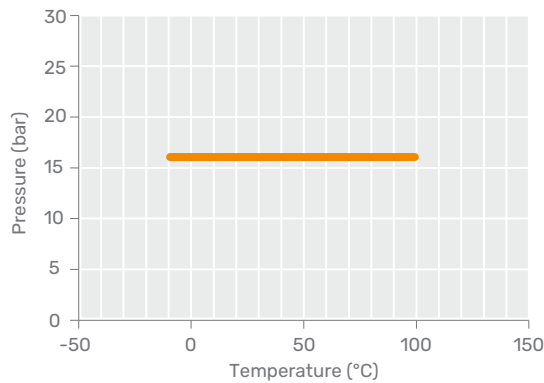
Double sphere threaded rubber flexible joint
 Threaded F/F union ends (ISO 228/1)
 Polyamide wired reinforced body
 Metallic parts in zinc plated cast iron
 Zinc plated cast iron connections
 TR CU 010 compliant

PN16

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
KGT800020.1163	020 - 3/4"	1	700	0,7
KGT800025.1163	025 - 1"	1	1200	1,2
KGT800032.1163	032 - 1 1/4"	1	1500	1,5
KGT800040.1163	040 - 1 1/2"	1	2000	2,0
KGT800050.1163	050 - 2"	1	2600	2,6
KGT800065.1163	065 - 2 1/2"	1	4200	4,2
KGT800080.1163	080 - 3"	1	5500	5,5



SINGLE SPHERE FLANGED RUBBER FLEXIBLE JOINT

ERC

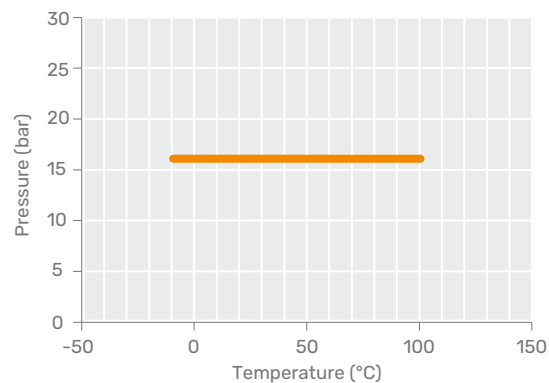


Single sphere flanged rubber flexible joint
 Steel flanges according EN1092-1, PN16
 Polyamide wired reinforced body
 Steel ring reinforced body/flange joint
 Steel flanges
 TR CU 010 compliant

PN16

WORKING CONDITIONS

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



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
KGT800025.1124	025 - 1"	1	2500	2,5
KGT800032.1124	032 - 1 1/4"	1	2800	2,8
KGT800040.1124	040 - 1 1/2"	1	3600	3,6
KGT800050.1124	050 - 2"	1	5200	5,2
KGT800065.1124	065 - 2 1/2"	1	6000	6,0
KGT800080.1124	080 - 3"	1	7200	7,2
KGT800100.1124	100 - 4"	1	8600	8,6
KGT800125.1124	125 - 5"	1	11500	11,5
KGT800150.1124	150 - 6"	1	14700	14,7
KGT800200.1124	200 - 8"	1	20000	20,0
KGT800250.1124	250 - 10"	1	28000	28,0
KGT800300.1124	300 - 12"	1	32000	32,0
KGT800350.1124	350 - 14"	1	65000	65,0
KGT800400.1124	400 - 16"	1	88000	88,0
KGT800450.1124	450 - 18"	1	71000	71,0
KGT800500.1124	500 - 20"	1	105000	105,0
KGT800600.1124	600 - 24"	1	130000	130,0

Version for PN10 flanges (KGT800mis.1836) available for DN200-DN300

Optional tie rods

KVR800050.312	050 - 2"	1	2800	2,8
KVR800065.312	065 - 2 1/2"	1	3500	3,5
KVR800080.312	080 - 3"	1	2700	2,7
KVR800100.312	100 - 4"	1	3200	3,2
KVR800125.312	125 - 5"	1	3600	3,6
KVR800150.312	150 - 6"	1	5600	5,6
KVR800200.312	200 - 8"	1	6400	6,4
KVR800250.312	250 - 10"	1	12600	12,6
KVR800300.312	300 - 12"	1	13800	13,8

KGTF-HD

SINGLE SPHERE FLANGED RUBBER FLEXIBLE JOINT "HEAVY DUTY"

ERC



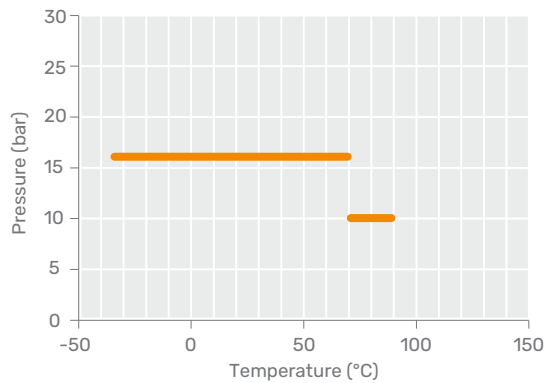
Single sphere flanged rubber flexible joint
 Steel flanges according EN1092-1
 Polyamide wired reinforced body
 Tolerance on length: $\pm 1\%$ (ISO 1307 Standard)
 TR CU 010 compliant

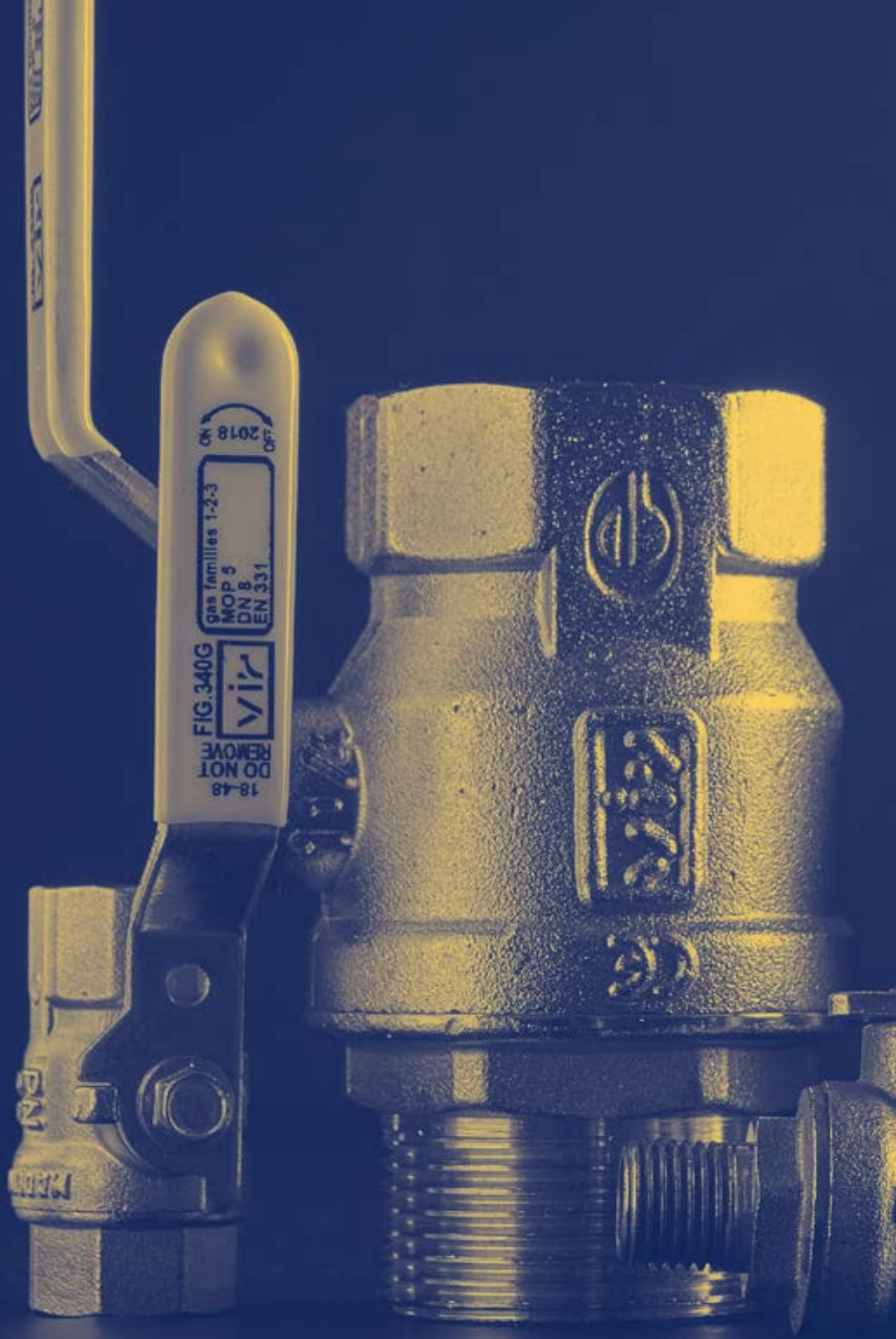
PN16 (max 16bar up to 70°C, max 10bar above)
 Bursting pressure of 50bar

WORKING CONDITIONS

- Suitable for: water, -35°C to +90°C
 below 0°C only for water with added antifreeze fluids

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
KGT800050.3259	050 - 2"	1	4600	4,6
KGT800065.3259	065 - 2 1/2"	1	5300	5,3
KGT800080.3259	080 - 3"	1	7000	7,0
KGT800100.3259	100 - 4"	1	7600	7,6
KGT800125.3259	125 - 5"	1	9900	9,9
KGT800150.3259	150 - 6"	1	12400	12,4
KGT800200.3259	200 - 8"	1	17700	17,7







GAS

340G

FULL BORE BRASS BALL VALVE FOR GAS

ERC

euroGAS

UNI EN
331



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

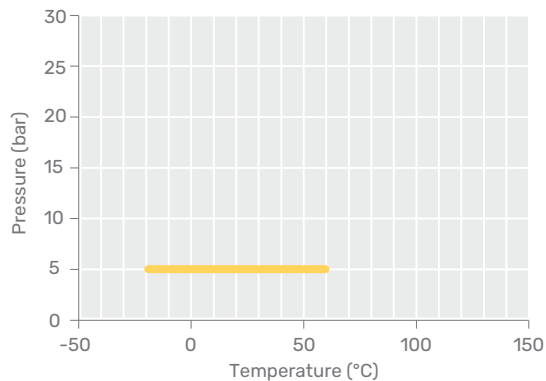
Shell rating: PN25

WORKING CONDITIONS

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

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F340GM008.792	008 - 1/4"	125	125	15,6
F340GM010.792	010 - 3/8"	125	117	14,6
F340GM015.792	015 - 1/2"	80	206	16,5
F340GM020.792	020 - 3/4"	60	288	17,3
F340GM025.792	025 - 1"	40	453	18,1
F340GQ032.793	032 - 1 1/4"	25	653	16,3
F340GQ040.793	040 - 1 1/2"	16	1174	18,8
F340GQ050.793	050 - 2"	8	1589	12,7

Butterfly handle option code F340GF***.874 (up to DN32), F340GF***.871 (above)



390G

DUCTILE IRON BALL VALVE FOR GAS

ERC



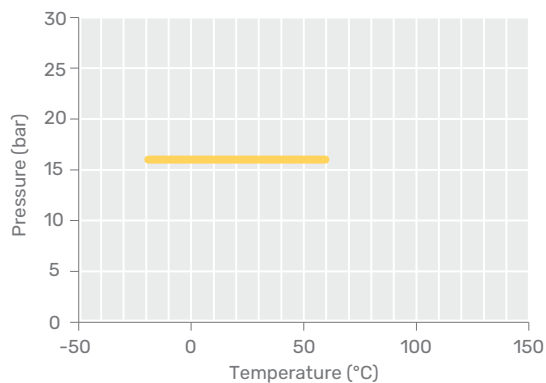
Ductile iron GGG40 ball valve
 Flanged PN16 according to EN1092-2 (ex DIN2533)
 Testing according to EN12266-1
 Lengths according to EN558-1 series 14 (ex DIN3202 F4)
 (EN558-1 series 15, ex DIN3202 F5, for DN200)
 Chromium plated ball, PTFE seats
 FKM stem O-rings, PTFE body O-ring
 Version with locking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

PN16

WORKING CONDITIONS

- Suitable for: gas, -20°C to +60°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F3900I025.867	025 - 1"	1	3200	3,2
F3900I032.867	032 - 1 1/4"	1	4400	4,4
F3900I040.867	040 - 1 1/2"	1	5500	5,5
F3900I050.867	050 - 2"	1	8500	8,5
F3900I065.867	065 - 2 1/2"	1	11500	11,5
F3900I080.867	080 - 3"	1	15500	15,5
F3900I100.867	100 - 4"	1	20000	20,0
F3900I125.867	125 - 5"	1	30000	30,0
F3900I150.867	150 - 6"	1	36000	36,0
F3900I200.867	200 - 8"	1	93000	93,0



DUCTILE IRON LUG BUTTERFLY VALVE FOR GAS



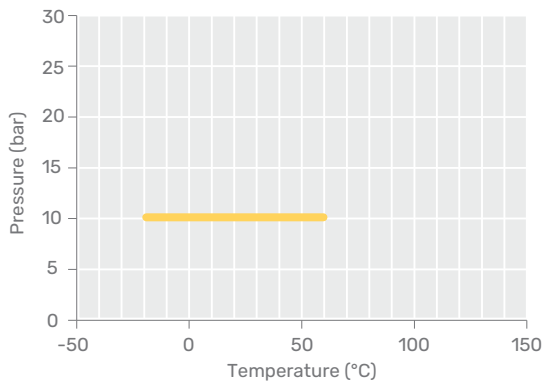
Ductile iron Lug butterfly valve for gas
 Flanged PN16 according to EN1092-2 (ex DIN2533)
 Lengths according to EN558-1 series 20 (ex DIN3202 K1)
 Design according to EN593 + A1
 Testing according to EN12266-1 (leakage rate A)
 Epoxy coating
 TR CU 010 compliant

Shell rating: PN16
 Working conditions: Max 10bar

WORKING CONDITIONS

- Suitable for: gas, -20°C to +60°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F4321L032.931	032 - 1 1/4"	1	1400	1,4
F4321L040.931	040 - 1 1/2"	1	2000	2,0
F4321L050.931	050 - 2"	1	3000	3,0
F4321L065.931	065 - 2 1/2"	1	3600	3,6
F4321L080.931	080 - 3"	1	4000	4,0
F4321L100.931	100 - 4"	1	5500	5,5
F4321L125.931	125 - 5"	1	7500	7,5
F4321L150.931	150 - 6"	1	8600	8,6
F4321L200.931	200 - 8"	1	12700	12,7
F4321L250.931	250 - 10"	1	22200	22,2
F4321L300.931	300 - 12"	1	30800	30,8







POLYPROPYLENE

POLYPROPYLENE BALL VALVE

EAC



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

PN16

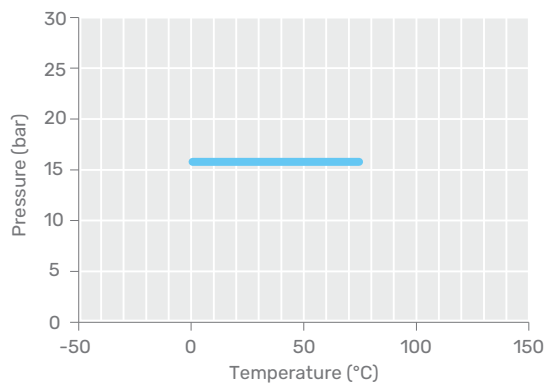
WORKING CONDITIONS

- Suitable for: water, 0°C to +75°C

Vir Code	DN mm - inches	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

NPT or ISO 7/1 Rp threads on request

Version with butterfly handle (F2200Lmis.246) available up to DN32



POLYPROPYLENE BALL BIB COCK

EAC

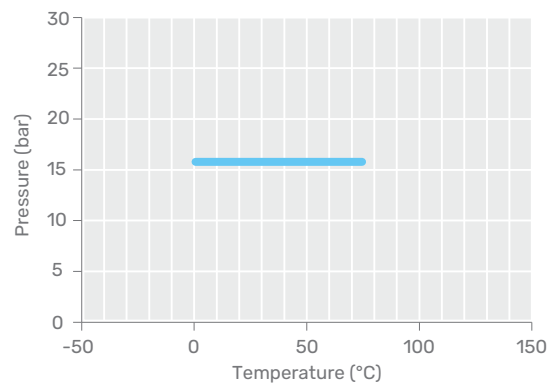


Polypropylene ball bib cock
 Threaded M (ISO 228/1) + hose union
 One piece body
 Brass internal parts and hose union
 (plastic hose union available as option)
 Chromium plated brass ball, PTFE seats
 Blow-out proof brass stem, NBR stem O-rings
 With handle or butterfly
 TR CU 010 compliant

PN16

WORKING CONDITIONS

- Suitable for: water, 0°C to +75°C



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Lever version, brass hose union				
F2100L010.247	010 - 3/8"	50	149	7,2
F2100L015.247	015 - 1/2"	40	153	5,9
F2100L020.247	020 - 3/4"	25	246	6,2
F2100L025.247	025 - 1"	15	397	5,7
Butterfly version, brass hose union				
F2100L010.246	010 - 3/8"	50	145	7,3
F2100L015.246	015 - 1/2"	40	149	6,0
F2100L020.246	020 - 3/4"	25	245	6,1
F2100L025.246	025 - 1"	15	396	5,9
Lever version, plastic hose union				
F2100L010.836	010 - 3/8"	50	129	6,5
F2100L015.836	015 - 1/2"	40	172	6,9
F2100L020.2737	020 - 3/4"	25	263	6,6
Butterfly version, plastic hose union				
F2100L010.893	010 - 3/8"	50	131	6,6
F2100L015.893	015 - 1/2"	40	168	6,7
F2100L020.2738	020 - 3/4"	25	262	6,6

POLYPROPYLENE RANDOM BALL VALVE

ERC



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

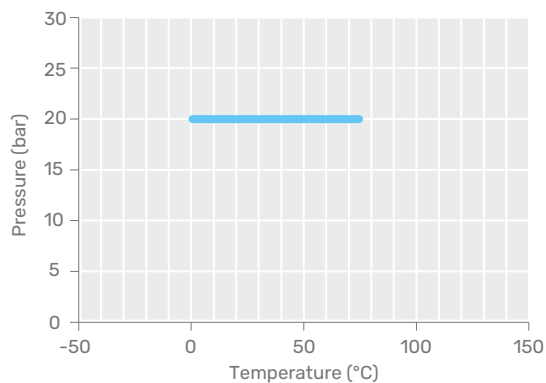
PN20

WORKING CONDITIONS

- Suitable for: water, 0°C to +75°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F5000V020.400	020 - 3/4"	50	123	6,2
F5000V025.400	025 - 1"	25	135	3,4
F5000V032.400	032 - 1 1/4"	15	192	2,9
F5000V040.400	040 - 1 1/2"	10	347	3,5
F5000V050.400	050 - 2"	6	571	3,4
F5000V063.400	063 - 2 1/2"	5	935	4,7
F5000V075.400	075 - 3"	4	1400	5,6
F5000V090.400	090 - 4"	2	2482	5,0

Version with butterfly handle available up to DN32



500IM, 500IS

POLYPROPYLENE RANDOM UNDER PLASTER BALL VALVE

ERC



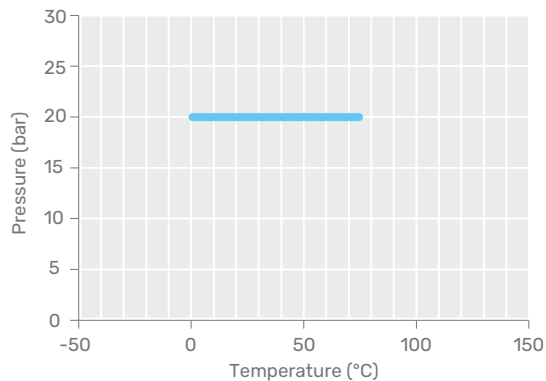
Polypropylene random (PP-R80) under plaster ball valve
Soldering ends (DIN 16962)
One piece body
Chromium plated brass ball, PTFE seats
Blow-out proof brass stem, NBR stem O-rings
(ball and stem in stainless steel on request)
Available in the following versions:
- Fig. 500IM, with triangular brass handle
- Fig. 500IS-L, with light cover and plate
- Fig. 500IS-H, with heavy cover and plate
TR CU 010 compliant

PN20

WORKING CONDITIONS

- Suitable for: water, 0°C to +75°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 500IM with triangular handle				
F5000V020.448	020 - 3/4"	20	327	6,5
F5000V025.448	025 - 1"	15	339	5,1
F5000V032.448	032 - 1 1/4"	10	396	4,0
Fig. 500IS-L with light cover and plate				
F5000V020.447	020 - 3/4"	20	217	4,3
F5000V025.447	025 - 1"	15	229	3,4
F5000V032.447	032 - 1 1/4"	10	286	2,9
Fig. 500IS-H with heavy cover and plate				
F5000V020.428	020 - 3/4"	20	270	5,4
F5000V025.428	025 - 1"	15	282	4,2
F5000V032.428	032 - 1 1/4"	10	339	3,4



notes



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