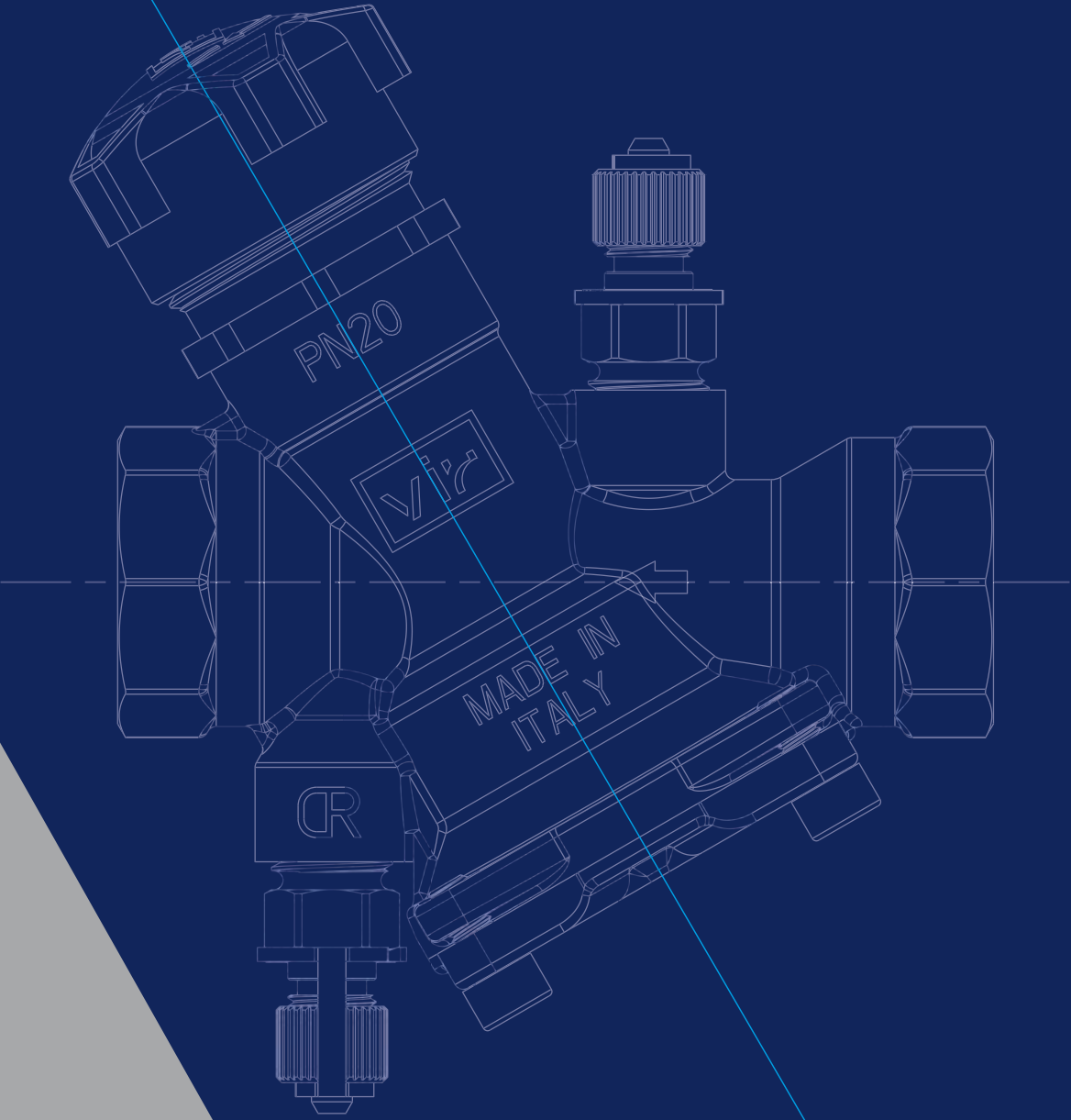




— ITALY —



MIDDLE EAST CATALOGUE 2025



ITALIAN
HISTORICAL
TRADEMARK
REGISTERED



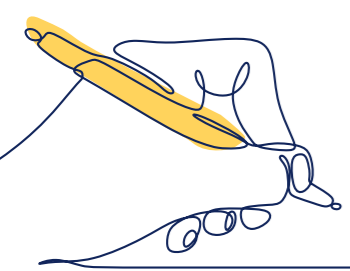
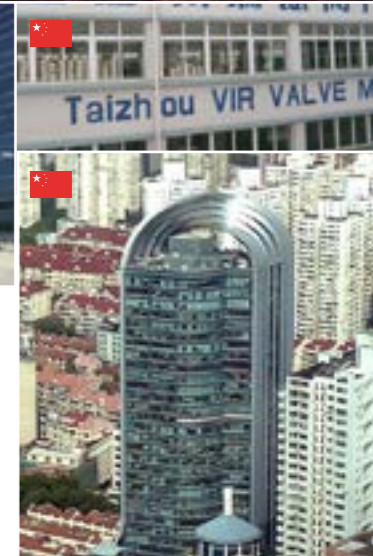
MIDDLE EAST CATALOGUE 2025

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. and its warehouses in Lake Forest (CA), Menlo Park (CA), Arvada (CO), Lakeville (MN), Atlanta (GA), Nashville (TN), Houston (TX); in Asia with its plant in Taizhou and its sales office in Shanghai, and in the Middle East with the Dubai office and warehouse.

More than 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.



Every story has a beginning

VIR 1971	RED-WHITE VALVE CORP. 2003	VIR TRADING SHANGHAI 2010	50° ANNIVERSARY VIR & RWV 2021
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BLUE TAG 1991	VIR TAIZHOU 2008	VIR ME 2017	LITO Sustainability Journey 2024 2025
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Production cycle

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. 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.

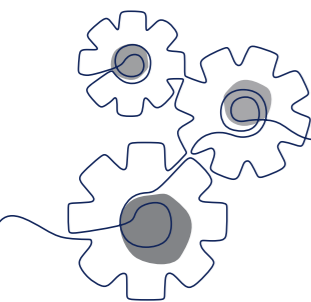
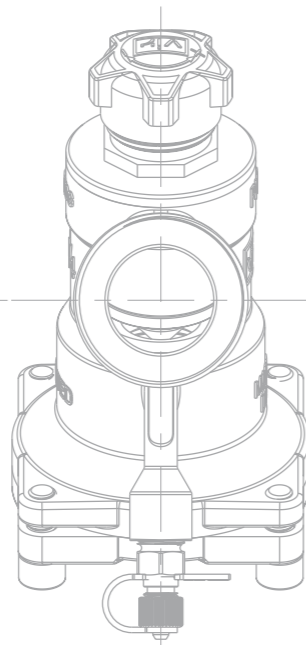
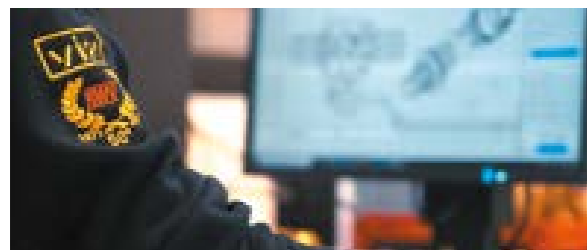
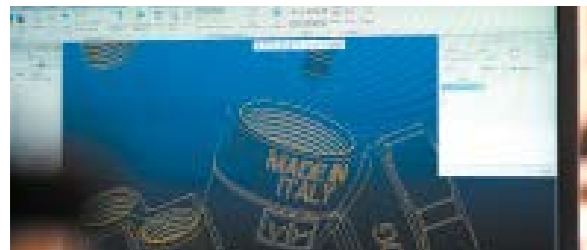
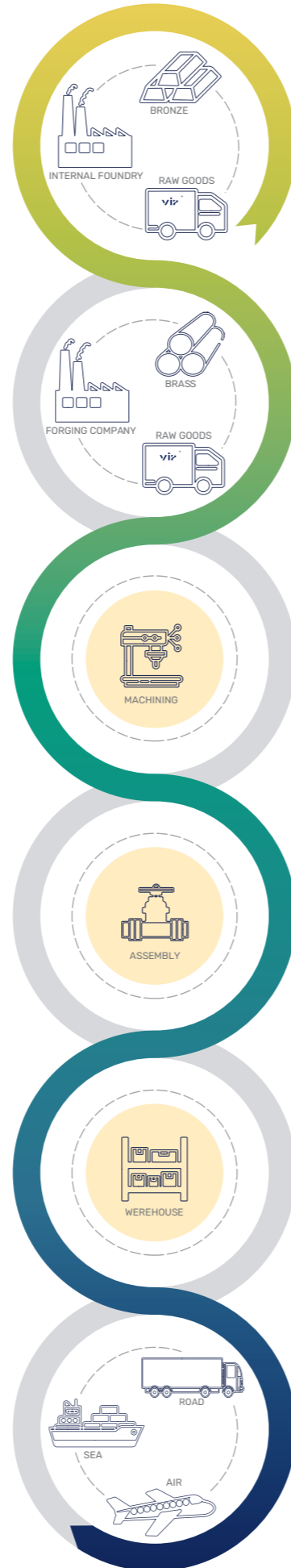
TYPES OF APPLICATIONS

- HVAC
- OEM
- IRRIGATION
- WATER AND GAS DISTRIBUTION NETWORKS

TYPES OF MATERIAL

- BRONZE
- BRASS
- DUCTILE AND CAST IRON
- POLYPROPYLENE
- STAINLESS STEEL

VIR today exports to 75 different countries, using its own five commercial business locations and its fifteen warehouses, branching out its trade and reaching all corners of the world.



More attention to sustainability

WATER AND ENERGY

We, at VIR, believe that the involvement in the process of providing these two essential services above all implies an ethical commitment to the environment and the people.

Because in a world that is constantly and rapidly changing, our sense of responsibility requires us to act concretely and positively for the protection of climate and health, by working every day to contribute to the creation of a safer, fairer and more resourceful world.

HYDRONC BALANCING

Energy saving is the global challenge that we, as a company, are required to cope with: in fact, HVAC systems are amongst the most responsible for energy consumption around the world. This is why we cultivate and promote synergies with the main industry players such as installers, designers, wholesalers, contractors and buyers, to encourage them to make virtuous choices, aimed at reaching comfortable temperatures in buildings, while minimizing the consumption of energy and operating costs, when choosing to use our balancing valves.

THE BENEFITS OF A BALANCED HYDRAULIC SYSTEM:

THERMAL COMFORT

REDUCES MOISTURE ACCUMULATION

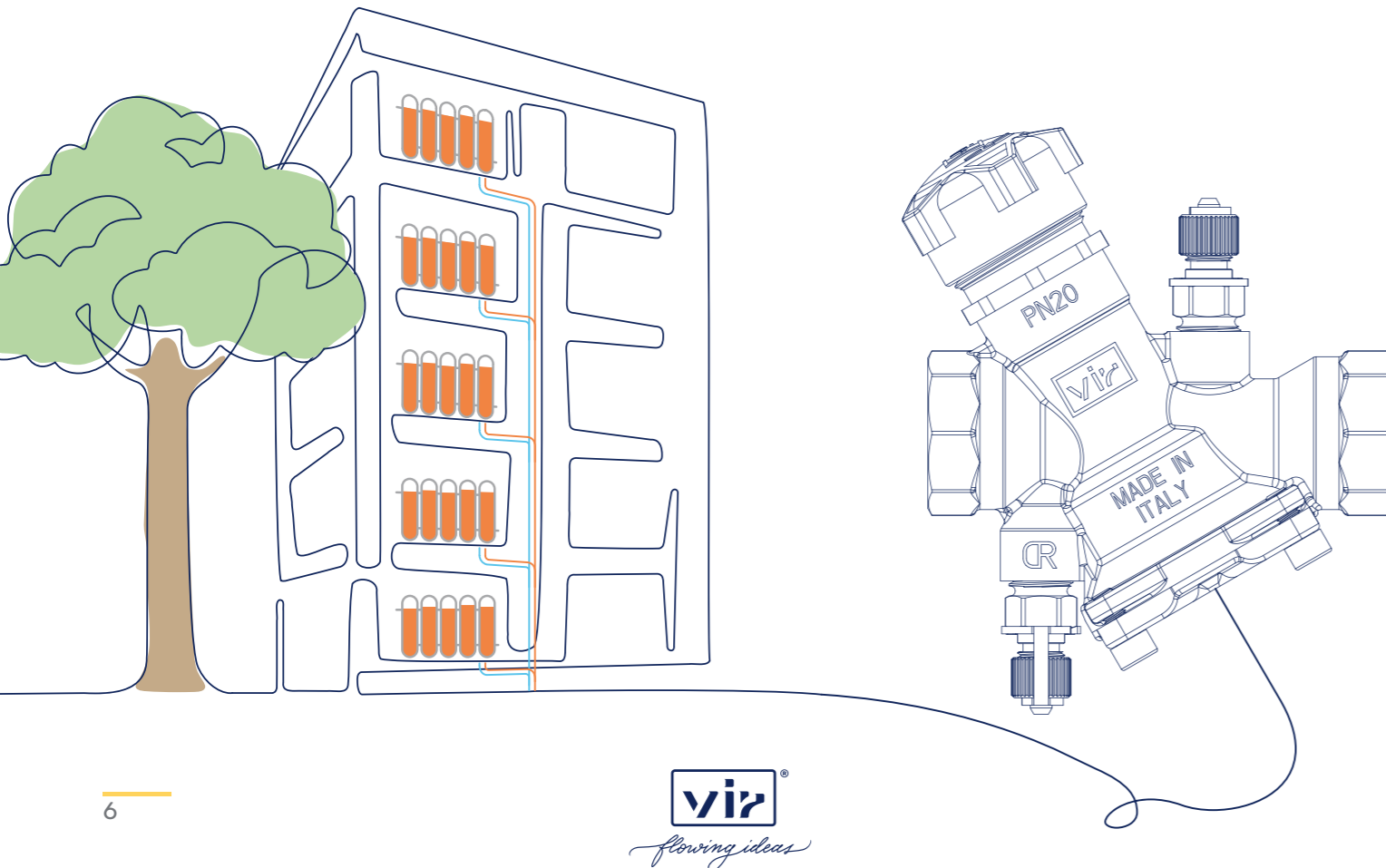
ECOLOGICAL IMPACT ON CONSUMPTION

ENERGY SAVING

HOW TO OBTAIN THESE BENEFITS?

WITH OUR BALANCING VALVES

They correctly distribute the flow of water from the boiler to the radiators, optimizing the yield and efficiency of the systems. In addition to energy consumption, they reduce noise, wear, costs and pollution.



EZ-RECYCLABLE

**Simply One Step!
Remove & Recycle.**



References



BARRAQUER EYE HOSPITAL - DUBAI



EMAAR - VIDA DUBAI MALL RESIDENCES - DUBAI



DEYAAR - BELLA ROSE - DUBAI



EMAAR - GRAND BLUE TOWER - DUBAI

SOBHA HARTLAND - ONE PARK AVENUE - DUBAI



REWAQ CORDOBA MALL - RIYADH - KSA



THE MIDTOWN BY DEYAAR - DUBAI



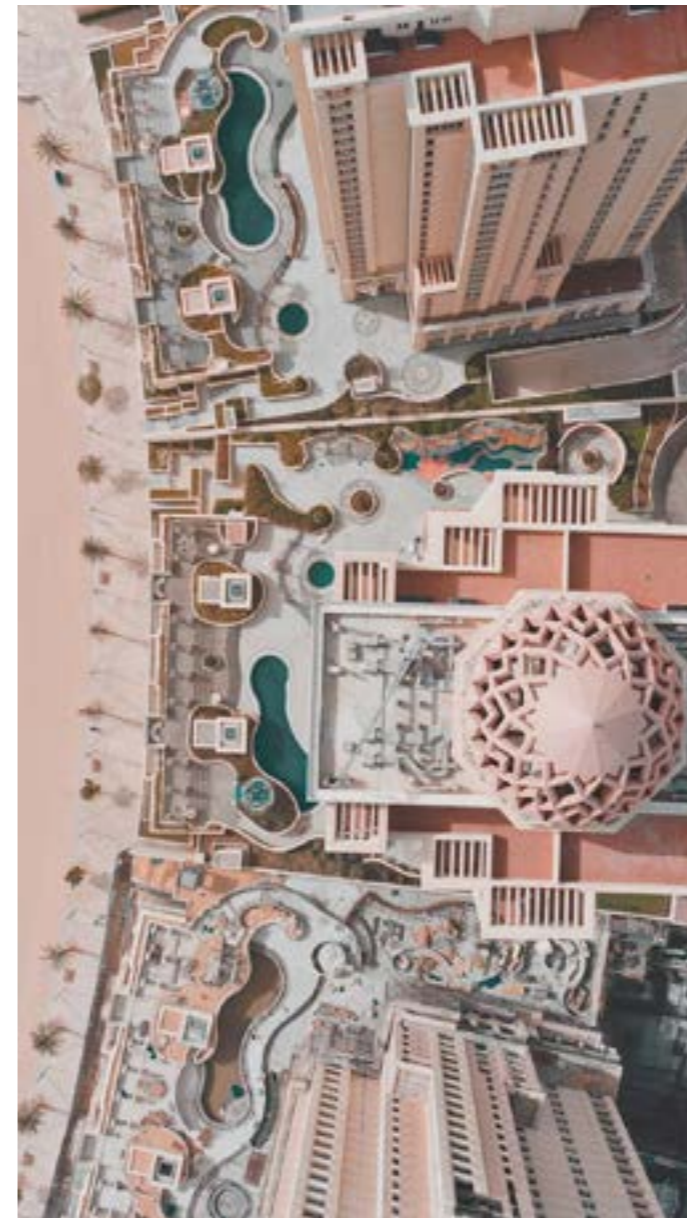
SALALAH GRAND MALL - SALALAH - OMAN



REEM MALL - ABU DHABI



THE PEARL DOHA - QATAR



SOBHA-S TOWER - DUBAI



MERAAS-MADINAT JUMEIRAH LIVING ASAYEL PHASE-2 - DUBAI





WRAS - UK



TR CU 010 - Russia, Belarus and Kazakhstan



STF - Finland



ACS - France



IAPMO - USA



VA - Denmark



CSA - USA, Canada



EN331 - Europe



UL - USA, Canada



FM - USA



NSF 61 e 372 - USA, Canada



GDV - Denmark



SINTEF - Norway



Water Supplies Department - Hong Kong



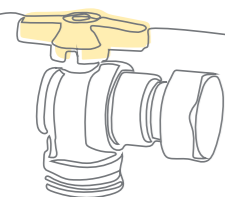
TSSA - Canada



CE PED - Europe



VIR is also 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



BALANCING

p.15



EZCONNECT

p.37



GATE, GLOBE and CHECK

p.47



SHUT-OFF

p.67



STRAINERS

p.103



PLUMBING SPECIALTIES

p.111



REGULATION and CONTROL

p.121



FLEXIBLE JOINTS and AIR VENTS

p.133



GAS

p.141



POLYPROPYLENE

p.147

BALANCING INDEX

9505 9515	p.16 17
9585 9525	p.18 19
9555P 9555H	p.20 21
9400 9450	p.22 23
9905V 9955	p.24 25
9605 9655	p.26 27
9700 - 9705 - 9703 VAURIEN - VAURIEN-M	p.28 29
9610 - 9610DR 9660 - 9660BY	p.30 31
9755 9315 - 95TP	p. 32 33
T650 9TB1	p. 34 35



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 ±5%
(see flow measurement section, test according to BS7350)
Also available:
- With drain on high pressure test point (Fig. 9506)
- With 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

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

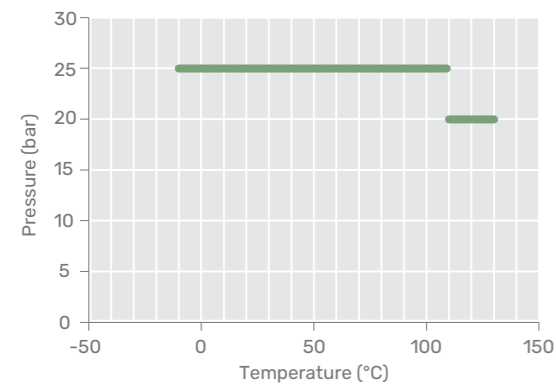
Spare handwheel available (KXV950015.3402) for DN10 - DN50

STF version available on request

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)



9515

FIXED ORIFICE DZR BRASS DOUBLE REGULATING VALVE



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

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

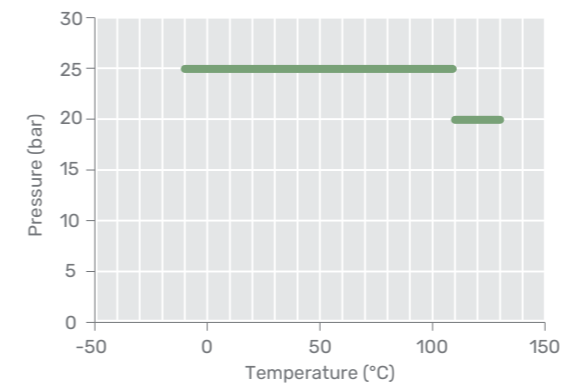
PN25 (Max 25bar up to 110°C, max 20bar above)

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)

Spare handwheel available (KXV950015.3402) for DN10 - DN50

Version with copper pipe adaptors on request



9585

FIXED ORIFICE BRONZE DOUBLE REGULATING VALVE



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

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

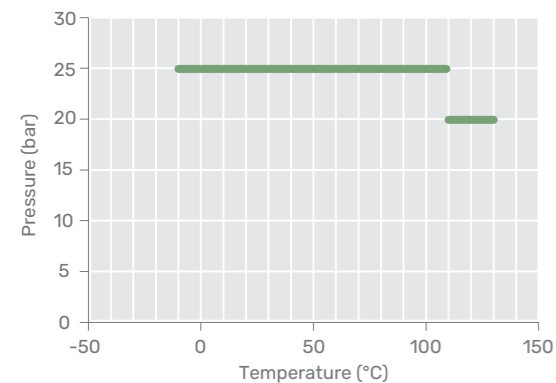
WORKING CONDITIONS

- 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

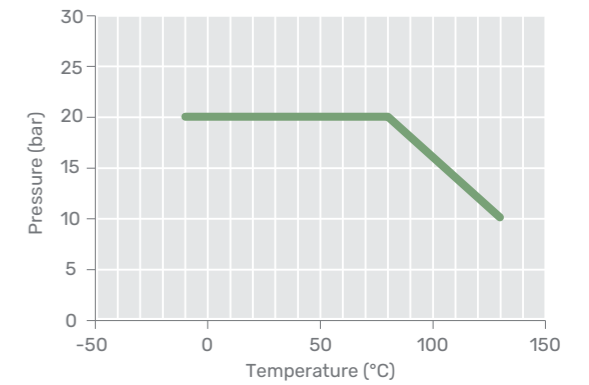
Spare handwheel available (KXV950015.3402) for DN10 - DN50

Version with copper pipe adaptors on request



9525

FIXED ORIFICE DZR BRASS DOUBLE REGULATING 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
WRAS and 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

EAC



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%

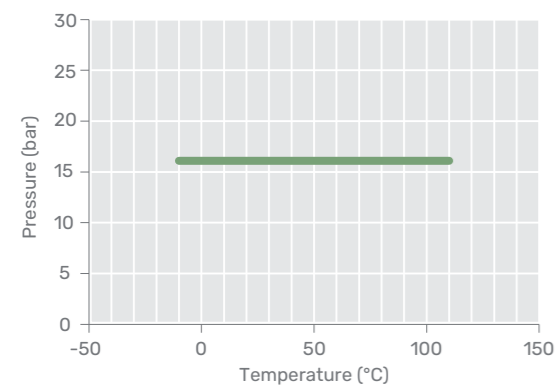
With plugged threaded drains (¼" ISO 7/1Rp) for test points
Provided with test points (given unmounted)
TR CU 010 compliant

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)
F9500I040.1959	040 - 1 1/2"	1	6100	6,1
F9500I050.1959	050 - 2"	1	8300	8,3
F9500I065.1959	065 - 2 1/2"	1	13400	13,4
F9500I080.1959	080 - 3"	1	17500	17,5
F9500I100.1959	100 - 4"	1	24000	24,0
F9500I125.1959	125 - 5"	1	34000	34,0
F9500I150.1959	150 - 6"	1	48500	48,5
F9500I200.1959	200 - 8"	1	114500	114,5
F9500I250.1959	250 - 10"	1	159000	159,0
F9500I300.1959	300 - 12"	1	210500	210,5
F9500I350.3161	350 - 14"	1	375000	375,0
F9500I400.3161	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



9555H

VARIABLE ORIFICE DUCTILE IRON DOUBLE REGULATING VALVE



Variable orifice ductile iron double regulating valve
Flanged PN25 according to EN1092-2 (ex DIN2533)
Lengths according to EN558-1 series 1 (ex DIN3202 F1)
Designed according BS7350

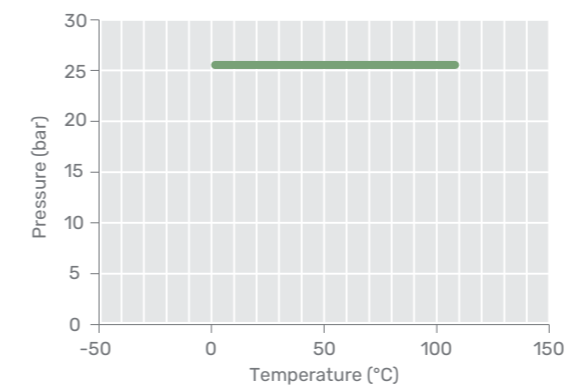
Provided with 2 test points in brass

PN25

WORKING CONDITIONS

- Suitable for: water, 0°C to +110°C
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)
F9555H065.3312	065 - 2 1/2"	1	14700	14,7
F9555H080.3312	080 - 3"	1	17000	17,0
F9555H100.3312	100 - 4"	1	24300	24,3
F9555H125.3312	125 - 5"	1	32700	32,7
F9555H150.3312	150 - 6"	1	44800	44,8
F9555H200.3312	200 - 8"	1	83000	83,0
F9555H250.3312	250 - 10"	1	123000	123,0
F9555H300.3312	300 - 12"	1	16800	168,0



9400

DZR BRASS METERING STATION

EAC



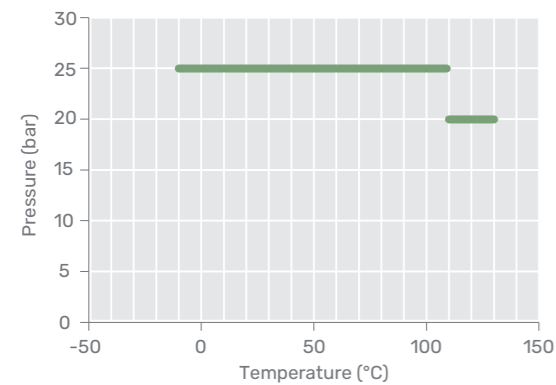
DZR brass metering station
Threaded M/F ISO 7/1 Rp (F side threaded ISO 228/1 on DN15 and DN20)
Design according to BS7350
Tolerance on nominal Kvs ±3% (test according to BS7350)
TR CU 010 compliant

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)

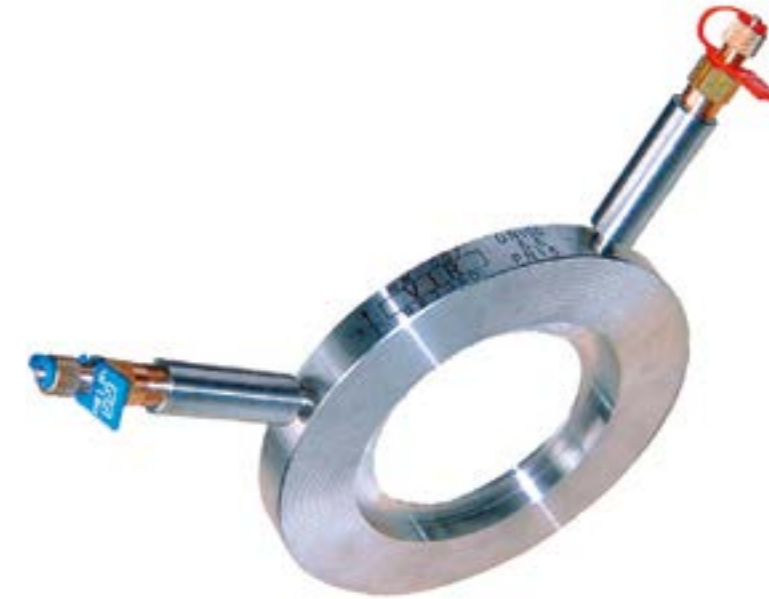
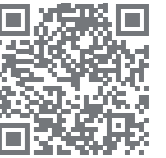
Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F95MS1015.1096	015 - 1/2"	25	213	5,3
F95MS1020.1096	020 - 3/4"	25	254	6,4
F95MS1025.707	025 - 1"	15	353	5,3
F95MS1032.707	032 - 1 1/4"	15	463	6,9
F95MS1040.707	040 - 1 1/2"	10	531	5,3
F95MS1050.707	050 - 2"	10	755	7,6



9450

STAINLESS STEEL WAFER METERING STATION

EAC



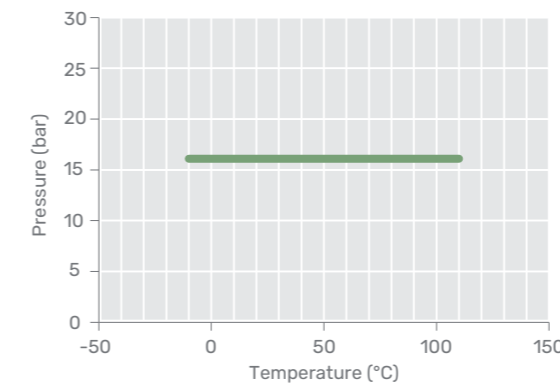
Stainless steel Wafer metering station
For EN1092 PN16 flanges
Design according to BS7350
Tolerance on nominal Kvs ±5% (test according to BS7350)
TR CU 010 compliant

PN16

WORKING CONDITIONS

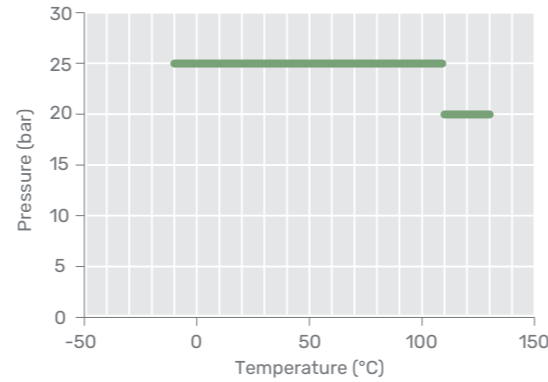
- Suitable for: water, -10°C to +110°C
below 0°C only for water with added antifreeze fluids
over 100°C only for water with added anti-boiling fluids
(Ethylene glycol or propylene glycol mixtures up to 50% may be used)

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

EAC



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

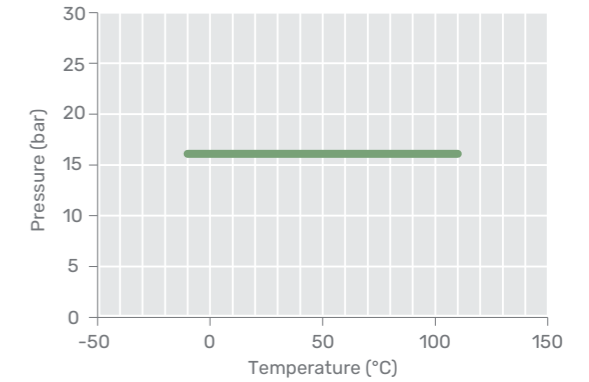
Ver. with plugs available (allow later mounting of test points): F990V0mis.1903

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

EAC



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



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).

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	17-230
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

9TB1

STRAIGHT DZR BRASS AUTOMATIC THERMOSTATIC BALANCING VALVE



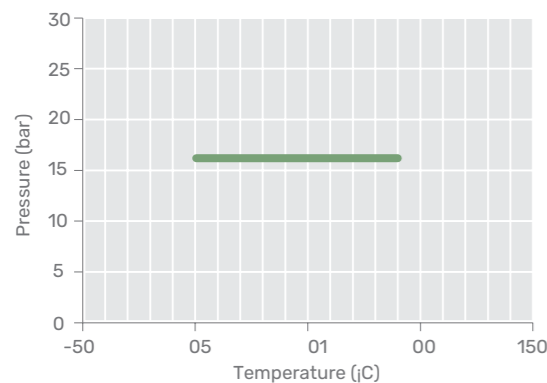
Sn/Ni galvanically plated DZR lead free brass automatic thermostatic balancing valve
 With threaded union F/F ends (ISO 7/1 Rp)
 Double union body for easy installation and maintenance
 Temperature setting done at factory, wide range of setting temperature available (see table)
 Balancing based on temperature, never fully closed
 NSF/ANSI/CAN 61 & 372 compliant

PN16 Valve housing Rating

WORKING CONDITIONS

- Suitable for: water, 0°C to +90°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)	T Set.
F9T1UR104.3596	015 - 1/2"	1	389	0,4	46° C
F9T1UR105.3596	015 - 1/2"	1	398	0,4	49° C
F9T1UR107.3596	015 - 1/2"	1	398	0,4	54° C
F9T1UR109.3596	015 - 1/2"	1	398	0,4	60° C
F9T1UR111.3596	015 - 1/2"	1	398	0,4	66° C
F9T1UR204.3596	020 - 3/4"	1	585	0,6	46° C
F9T1UR205.3596	020 - 3/4"	1	585	0,6	49° C
F9T1UR207.3596	020 - 3/4"	1	585	0,6	54° C
F9T1UR209.3596	020 - 3/4"	1	585	0,6	60° C
F9T1UR211.3596	020 - 3/4"	1	585	0,6	66° C
F9T1UR304.3596	025 - 1"	1	788	0,8	46° C
F9T1UR305.3596	025 - 1"	1	788	0,8	49° C
F9T1UR307.3596	025 - 1"	1	788	0,8	54° C
F9T1UR309.3596	025 - 1"	1	788	0,8	60° C
F9T1UR311.3596	025 - 1"	1	788	0,8	66° C



9605

DIFFERENTIAL PRESSURE CONTROL VALVE (DPCV)



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

PN25 (Max 20Bar above 110°C)

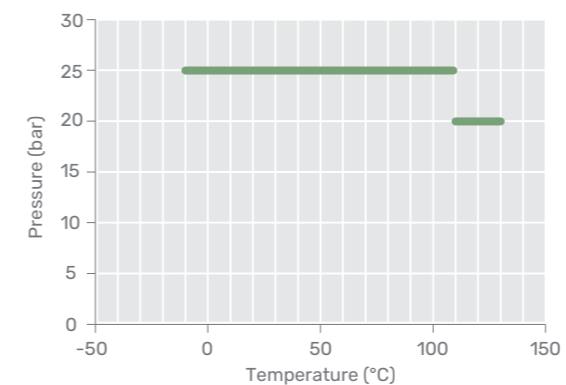
WORKING CONDITIONS

- 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 (DPCV)



Cast Iron differential pressure control valve
 Flanged PN16 according to EN1092-2 (ex DIN2533)
 Available in the following versions:
 - For regulating ΔP range 20-80kPa from DN65 to DN150
 - For regulating ΔP range 80-160kPa from DN65 to DN100
 Tolerance on nominal ΔP ±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)

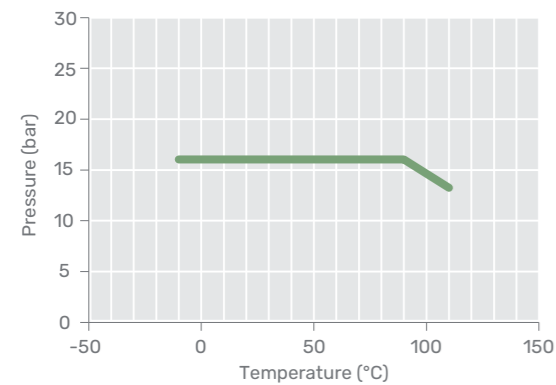
WORKING CONDITIONS

- 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
F9655H080.2499	H 080 - H 3"	1	28100	28,1	80-160 kPa
F96550100.2499	L 100 - L 4"	1	33600	33,6	20-80 kPa
F9655H100.2499	H 100 - H 4"	1	33600	33,6	80-160 kPa
F96550125.2499	125 - 5"	1	46400	46,4	20-80 kPa
F96550150.2499	150 - 6"	1	75400	75,4	20-80 kPa

Spare capillary tube kit

KCN965508.3212		1	240	0,2	
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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: ±5% of max flow or ±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)
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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"	9	1041	8,3	0,120-0,600
F97000032.2436	032 - 1 1/4"	6	1971	7,9	0,200-1,000

Fig. 9705

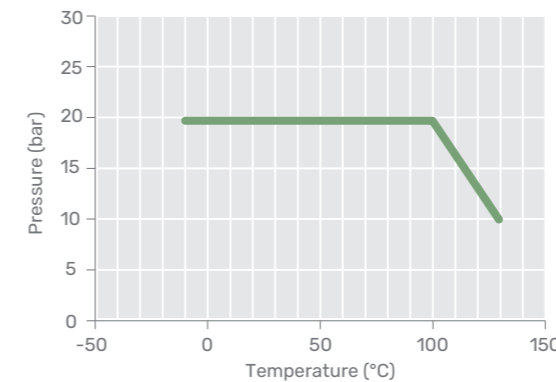
F97050L15.2437	L 015 - L 1/2"	16	414	6,6	0,008-0,039
F97050015.2437	015 - 1/2"	16	414	6,6	0,030-0,150
F97050020.2437	020 - 3/4"	12	617	7,4	0,062-0,311
F97050025.2437	025 - 1"	9	1075	8,6	0,120-0,600
F97050032.2437	032 - 1 1/4"	6	2019	8,1	0,200-1,000

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"	9	1059	8,5	0,120-0,600
F97030032.3055	032 - 1 1/4"	6	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 or 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

9755

CAST IRON PRESSURE INDEPENDENT CONTROL VALVE (PICV)

EAC



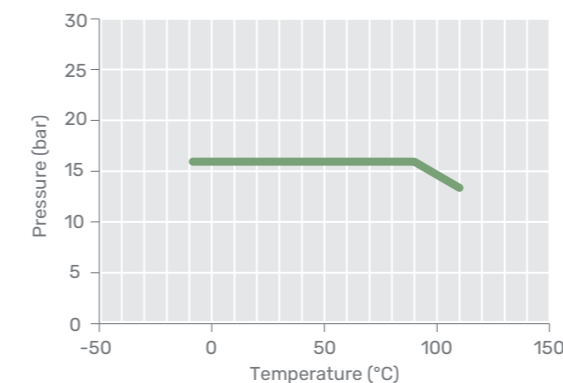
Cast iron pressure independent control valve (PICV)
Flanged PN16 according to EN1092-2 (ex DIN2533)
With differential pressure regulator for ΔP up to 400kPa
Tolerance on nominal regulated flow ±10%
With 0-10VDC modulating actuator, power supply 50Hz/60Hz 24V AC/DC
(IP54, 3,5W, travel 90° in 150 seconds,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



Fig. 9610



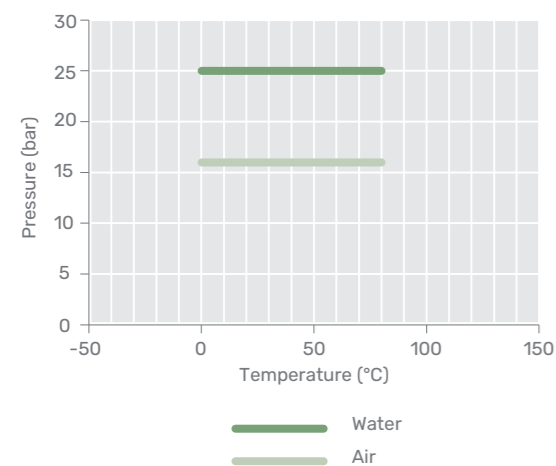
Fig. 9610DR

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 (1/4" 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)
Fig. 9610					
F96100015.3016	015 - 1/2"	30	790	23,7	0,5-3,0
F96100020.3016	020 - 3/4"	20	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	12,6	4,0-8,0
F96100040.3016	040 - 1 1/2"	6	2180	13,1	4,5-8,5
F96100050.3016	050 - 2"	4	3100	12,4	7,5-10
F96100065.3016	065 - 2 1/2"	4	4100	16,4	8,5-11
F96100080.3016	080 - 3"	4	5520	22,1	10-13,2
F96100100.3016	100 - 4"	2	6970	13,9	12-15,6
Fig. 9610DR					
F96100015.2718	015 - 1/2"	30	790	23,7	0,5-3,0
F96100020.2718	020 - 3/4"	20	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"	3	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

9660 - 9660BY

PILOT OPERATED DUCTILE IRON PRESSURE REDUCING VALVE



Fig. 9660



Fig. 9660BY



Fig. 9660



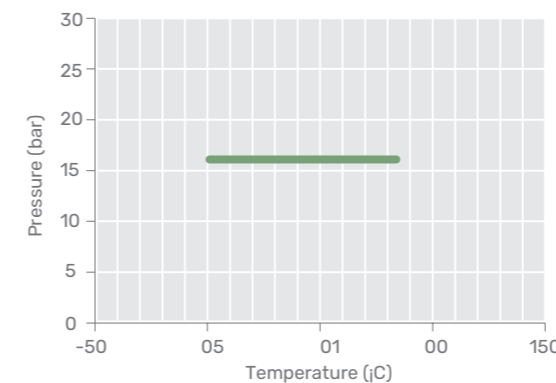
Fig. 9660BY

Pilot operated ductile Iron pressure reducing valve
Flanged PN16 according to EN1092-2 (ex DIN2533)
Length according to EN558-1
Available in the following version:
- FIG. 9660, pressure reducing valve
- FIG. 9660BY, pressure reducing valve with low-flow by-pass
Max pressure reduction ratio 3:1
Downstream setting pressure range from 1bar to 12,0bar
Operation with pilot valve to stabilize the pressure independent of the flow rate
Low-flow direct-acting pressure reducing valve piped in parallel to the main valve side ports (9660BY only)
WRAS compliant (9660BY only)

PN16

WORKING CONDITIONS

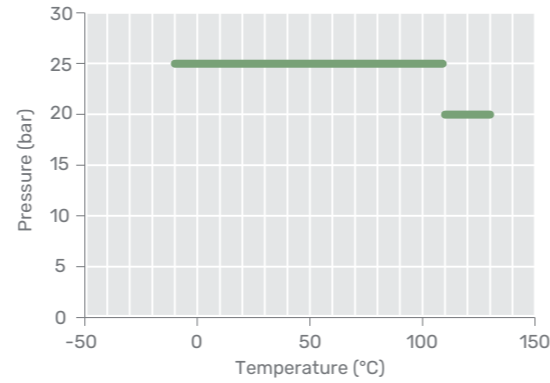
- Suitable for: water, 0°C to +85°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [g]	Box [Kg]
Fig 9660				
F96601050.3070	050 - 2"	1	13050	13,1
F96601065.3070	065 - 2 1/2"	1	18300	18,3
F96601080.3070	080 - 3"	1	23650	23,7
F96601100.3070	100 - 4"	1	31550	31,6
F96601125.3070	125 - 5"	1	42000	42,0
F96601150.3070	150 - 6"	1	74000	74,0
F96601200.3070	200 - 8"	1	140000	140,0
F96601250.3070	250 - 10"	1	237000	237,0
F96601300.3070	300 - 12"	1	330000	330,0
F96601350.3070	350 - 14"	1	380000	380,0
Fig 9660BY				
F96611050.3593	050 - 2"	1	16050	16,0
F96611065.3593	065 - 2 1/2"	1	21300	21,3
F96611080.3593	080 - 3"	1	26650	26,7
F96611100.3593	100 - 4"	1	34500	34,6
F96611125.3593	125 - 5"	1	45000	45,0
F96611150.3593	150 - 6"	1	77000	77,0
F96611200.3593	200 - 8"	1	143000	143,0
F96611250.3593	250 - 10"	1	240000	240,0
F96611300.3593	300 - 12"	1	333000	333,0
F96611350.3593	350 - 14"	1	383000	383,0

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

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)
KDV950008.1151	Red tie	40	160	6,4



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

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

WORKING CONDITIONS

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

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
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

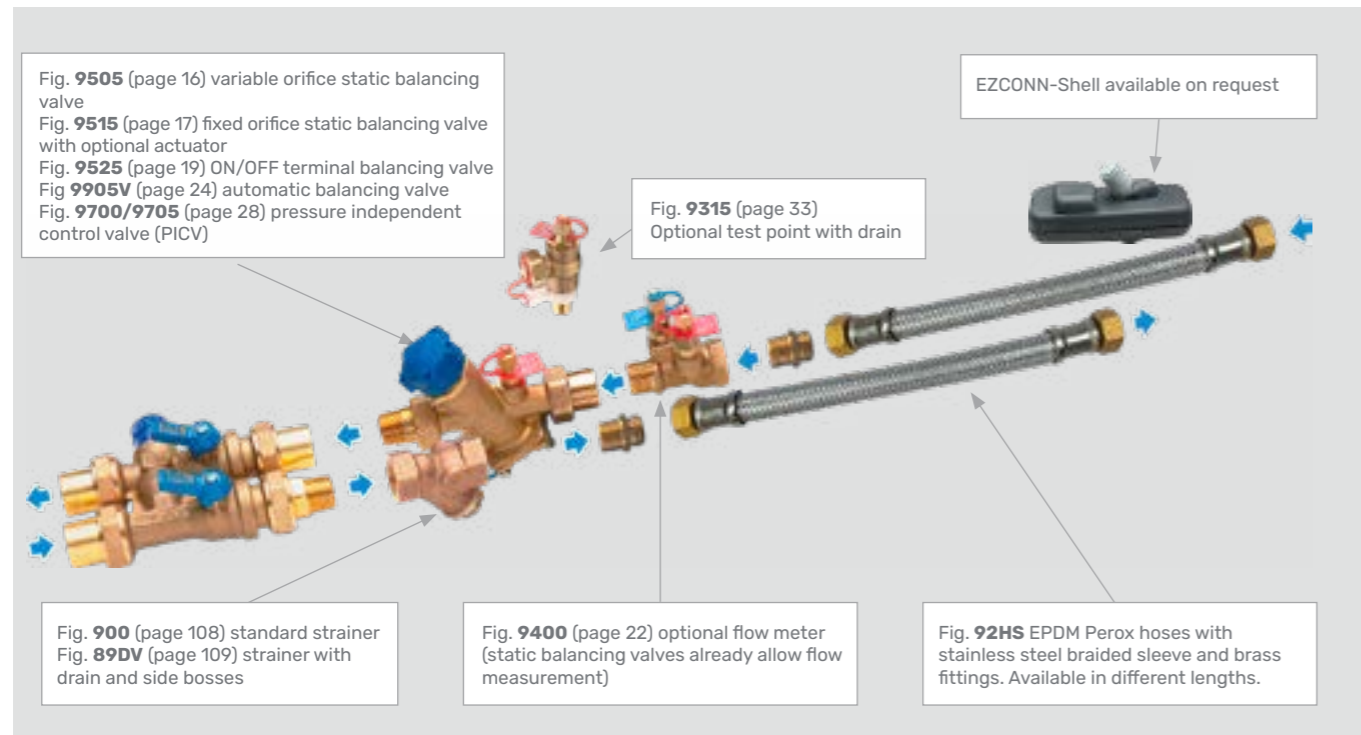
Working ambient temperature: -5° to +50°C
Working fluid temperature: -5° to +90°C

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 INDEX

CONNECTION KIT KIT for 90BY, 9705, 9515	p.38 39
KIT for 90BY, 9525 - EZCONN-Shell 90BY	p.40 41
90BY Components 92HS	p.42 43
CONNECTION KIT 91BY, 9703	p.44 45





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.



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

EZCONNECT-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



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

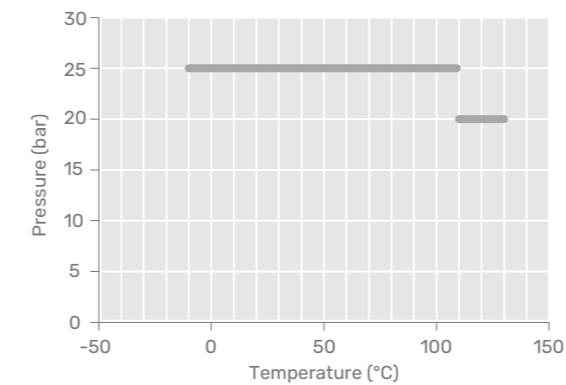
PN25 (Max 25bar up to 110°C, max 20bar above)

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

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



90BY

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 FLEXIBLE HOSES



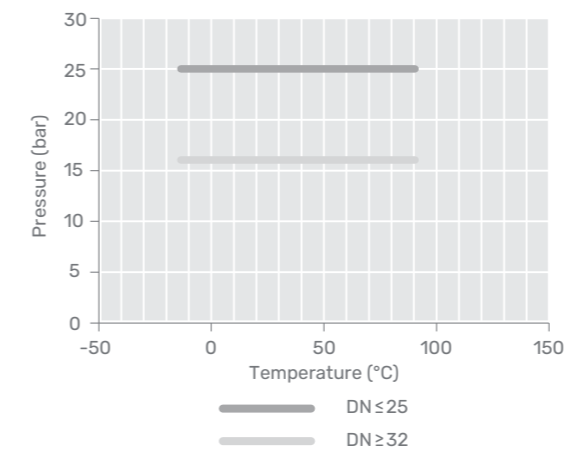
Flexible hose
Threaded connection M ISO 7/1 R and F with swivel nut ISO 228/1
EPDM hoses with stainless steel braided sleeve
DZR brass fitting with EPDM Perox gasket
Length of 12" (300mm)

PN25 for DN≤25
PN16 for DN≥32

WORKING CONDITIONS
- Suitable for: water, -5°C to +90°C

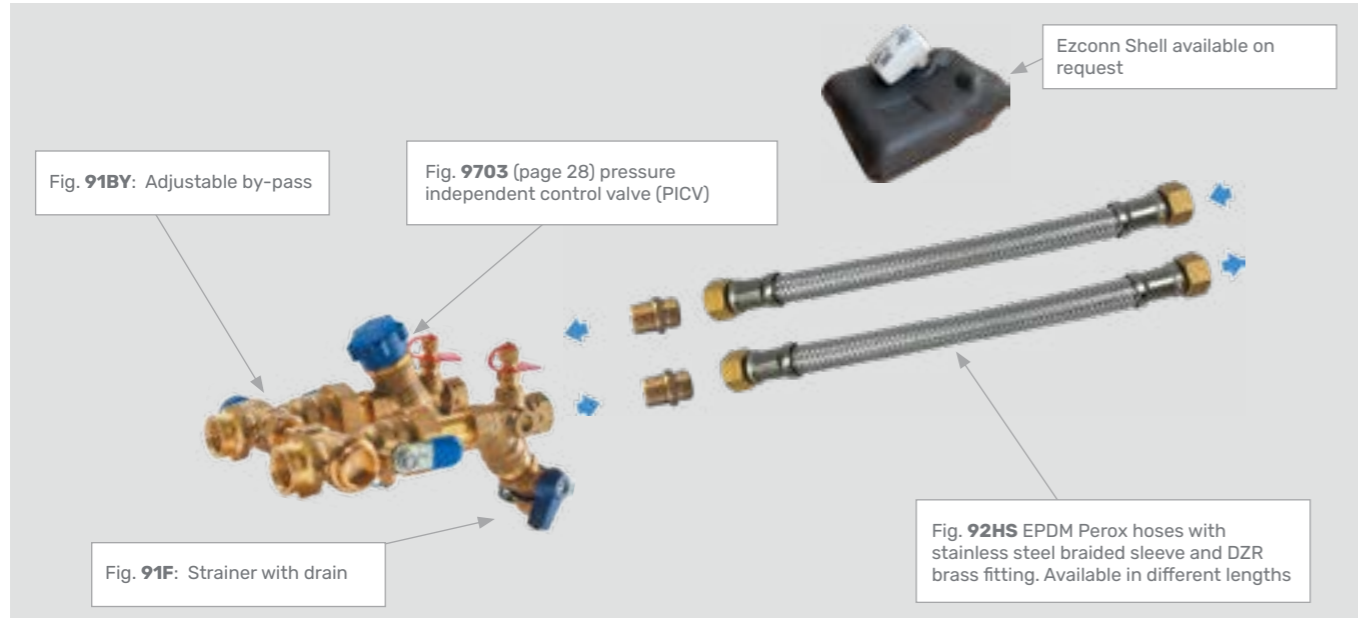
Vir Code	DN mm - inches	Pcs./box	Wgt. [g]	Box [Kg]
KCN9H0015.2801	015 - 1/2"	1	250	0,3
KCN9H0020.2801	020 - 3/4"	1	440	0,4
KCN9H0025.2801	025 - 1"	1	700	0,7
KCN9H0032.2801	032 - 1 1/4"	1	1167	1,2
KCN9H0040.2801	040 - 1 1/2"	1	1577	1,6
KCN9H0050.2801	050 - 2"	1	2332	2,3

Available version with length of 600mm (KCN9H2mis.2801) on request



EZCONNECT

CONNECTION KIT FOR TERMINAL UNITS



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



EZCONN-Shell Shell for fancoil kit



Polyethylene cross linked foam
 Thickness 30mm
 Thermal conductivity (Lambda factor, kcal/mh°C):
 0,0298 at 0°C, 0,0303 at 10°C, 0,0326 at 40°C
 Working conditions: -60°C to +90°C

Vir Code	DN mm - inches	Pcs./box	Wgt. [g]	Box [Kg]
KSHJLQ200.2882	DN015/DN020*	1	65	0,0
KSHJLQ300.2882	DN25**	1	100	0,0

* Shell suitable for fig. JLQ2A5030.3 - JLQ2A5034.3 - JLQ3A5032.3
 ** Shell suitable for fig. JLQ4B5032.3

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

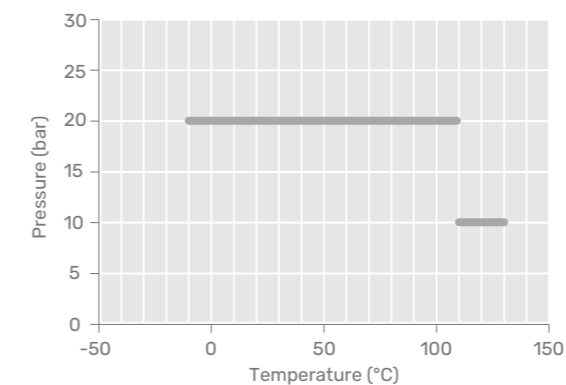
PN20 (Max 20bar up to 110°C, max 10bar above)

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	1/2" - 1/2"	1	1704	1,7
JLQ2A5034.3	3/4" - 1/2"	1	1915	1,9
JLQ3A5032.3	3/4" - 3/4"	1	2020	2,0
JLQ3B5030.3	3/4" - 3/4"	1	2383	2,4
JLQ3B5034.3	1" - 3/4"	1	3105	3,1
JLQ4B5032.3	1" - 1"	1	3820	3,8

* Pipe connection - Nominal size
 (Flexible hoses of different sizes can be connected using dedicated nipples)



EZCONNECT 2.0 BROCHURE (ENG) - DOWNLOAD



Description & benefits
 Main features
 Codes & configurations
 Functional schemes
 Accessories

GATE, GLOBE and CHECK INDEX

40 56	p.48 49
90 - 90LK 100 - 100LK	p.50 51
110 120	p.52 53
914 924	p.54 55
400 - 405 830	p.56 57
835 815V	p.58 59
765K 776	p.60 61
776H 890, 890E	p.62 63
806 790	p.64 65



BRASS METAL SEALED GATE VALVE



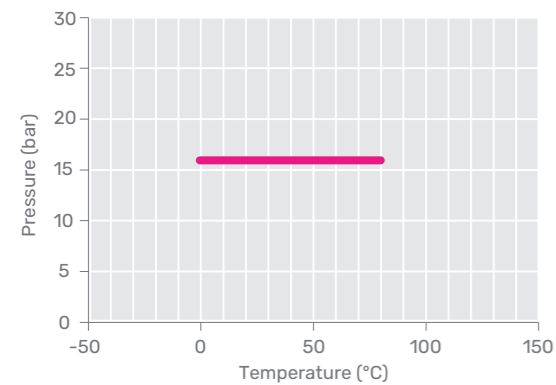
Brass gate valve
Threaded F/F (ISO 228/1)
Non rising blow-out proof stem
Adjustable fiber packing
Metal seal
WRAS and TR CU 010 compliant

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"	48	177	8,5
F040K0020.1872	020 - 3/4"	42	248	10,4
F040K0025.1872	025 - 1"	32	359	11,5
F040K0032.1872	032 - 1 1/4"	27	567	15,3
F040K0040.1872	040 - 1 1/2"	10	750	7,5
F040K0050.1872	050 - 2"	10	1025	10,3
F040K0065.1872	065 - 2 1/2"	10	1620	16,2
F040K0080.1872	080 - 3"	10	2197	21,9
F040K0100.1872	100 - 4"	4	3939	15,8



BRASS METAL SEALED GATE VALVE



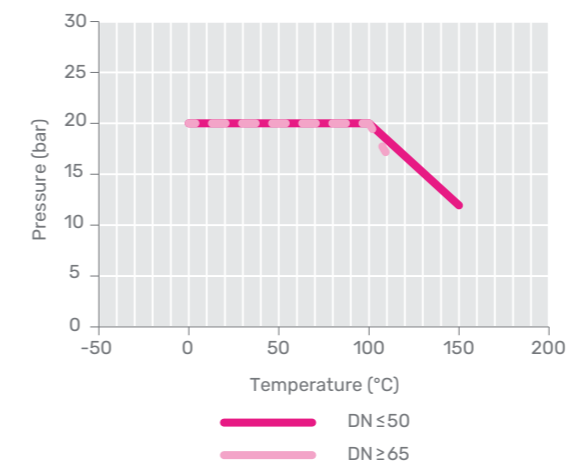
Brass gate valve
Threaded F/F (ISO 228/1)
Non rising blow-out proof stem
Adjustable fiber packing
Metal seal
WRAS and TR CU 010 compliant

PN16

WORKING CONDITIONS

- Suitable for: water, 0°C to +80°C

Vir Code	DN mm - inches	Pcs./box	Wgt. [g]	Box [Kg]
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
F056G0100.945	100 - 4"	2	6960	13,9



90 - 90LK

BRONZE METAL SEALED GATE VALVE



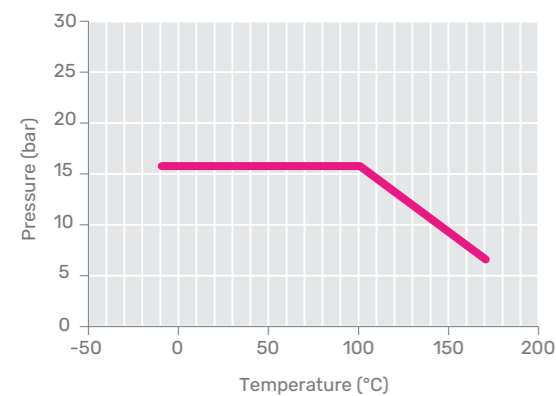
Bronze gate valve
Threaded F/F (ISO 7/1 Rp)
EN12288/B (ex BS5154/B) compliant
Air testing according to EN12266-1
Bronze body and bonnet, DZR brass internals
Non rising blow-out proof stem
Adjustable graphite packing
Metal seal
WRAS and TR CU 010 compliant

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, Bonnet and Wedge
Non rising blow-out proof stem
Adjustable graphite packing
Metal seal
WRAS and TR CU 010 compliant

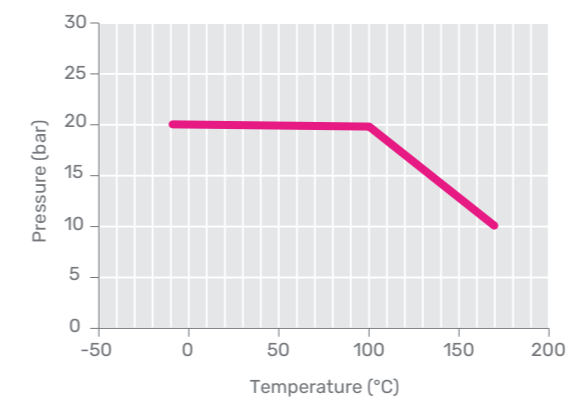
PN20 (Max 20bar up to 100°C, max 10bar at 170°C)

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



110

BRONZE METAL SEALED GATE VALVE



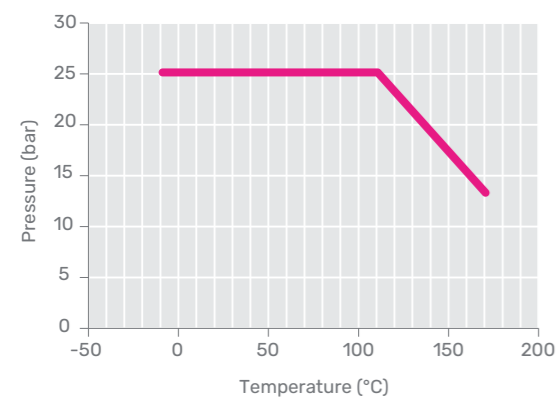
Bronze gate valve
Threaded F/F (ISO 7/1 Rp)
EN12288/B (ex BS5154/B) compliant
Air testing according to EN12266-1
Non rising blow-out proof stem
Adjustable graphite packing
Metal seal

Vir Code	DN mm - inches	Pcs./box	Wgt. [g]	Box [Kg]
F1100B020.2796	020 - 3/4"	30	450	13,5
F1100B025.2796	025 - 1"	15	700	10,5
F1100B032.2796	032 - 1 1/4"	12	1000	12,0
F1100B040.2796	040 - 1 1/2"	10	1390	13,9
F1100B050.2796	050 - 2"	5	2120	10,6

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



120

BRONZE METAL SEALED UNION BONNET GATE VALVE



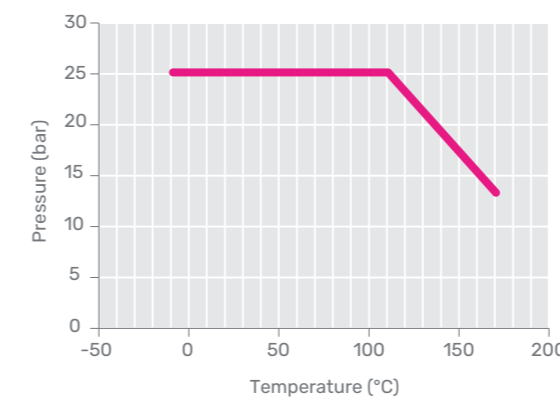
Bronze union bonnet gate valve
Threaded F/F (ISO 7/1 Rp)
EN12288/B (ex BS5154/B) compliant
Air testing according to EN12266-1
Rising stem with backseat
Adjustable graphite packing
Metal seal
TR CU 010 compliant

Vir Code	DN mm - inches	Pcs./box	Wgt. [g]	Box [Kg]
F1200B020.2799	020 - 3/4"	20	615	12,3
F1200B025.2799	025 - 1"	15	940	14,1
F1200B032.2799	032 - 1 1/4"	15	1370	20,6
F1200B040.2799	040 - 1 1/2"	10	1925	19,3
F1200B050.2799	050 - 2"	5	3000	15,0

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



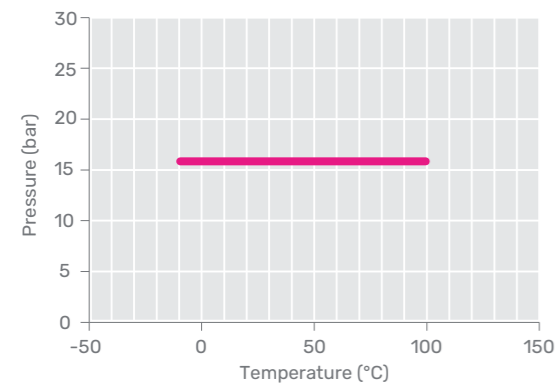
Ductile iron soft sealed gate valve
 Flanged PN16 according to EN1092-2 (ex DIN2533)
 Lengths according EN558-1 series 14 (ex DIN3202 F4)
 Epoxy coating (min. 250µm)
 EPDM coated ductile iron wedge
 Non rising stainless steel stem
 PTFE/EPDM gaskets
 TR CU 010 and WRAS compliant

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



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

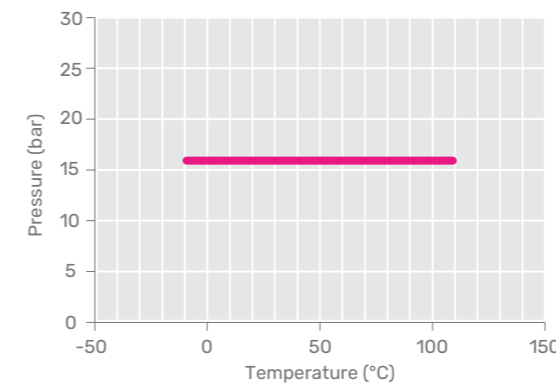
PN16

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

EAC



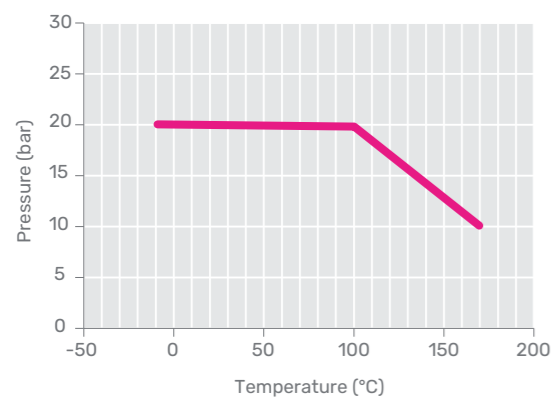
Bronze globe valve
Threaded F/F (ISO 228/1)
Rising stem
FKM (Fig. 400) or NBR (Fig. 405) O-ring + adjustable graphite packing
With PTFE seal (Fig. 400) or metal seal (Fig. 405)
TR CU 010 compliant

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				
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
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



830

BRASS SWING CHECK VALVE

EAC



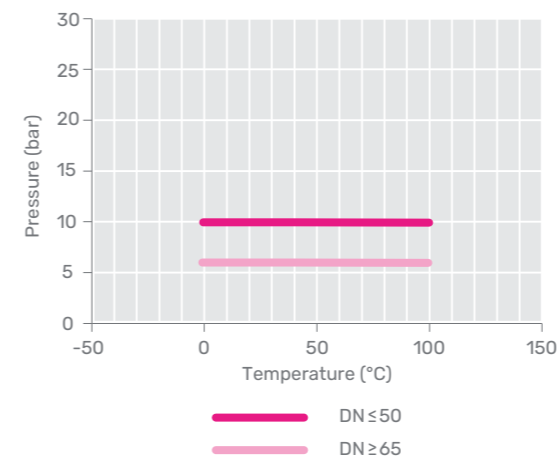
Brass swing check valve
Threaded F/F (ISO 228/1)
NBR seal, fiber gasket
Minimum opening pressure 0,03bar
TR CU 010 compliant

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



835WS

BRONZE SWING CHECK VALVE



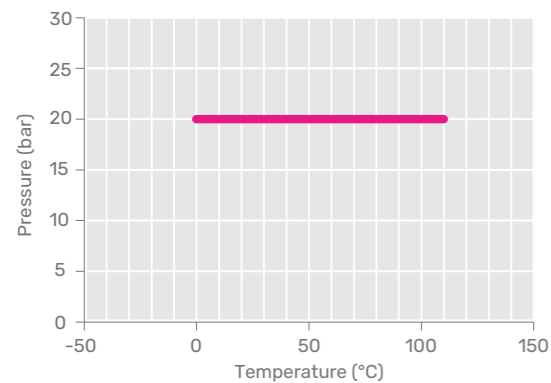
Bronze swing check valve
Threaded F/F (ISO 228/1)
Bronze internal parts, metal seat, PTFE gaskets
WRAS compliant

PN20

WORKING CONDITIONS

- Suitable for: water, 0°C to +110°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F8350B015.3598	015 - 1/2"	1	160	0,2
F8350B020.3598	020 - 3/4"	1	280	0,3
F8350B025.3598	025 - 1"	1	410	0,4
F8350B032.3598	032 - 1 1/4"	1	670	0,7
F8350B040.3598	040 - 1 1/2"	1	860	0,9
F8350B050.3598	050 - 2"	1	1400	1,4



815V

BRASS FOOT VALVE



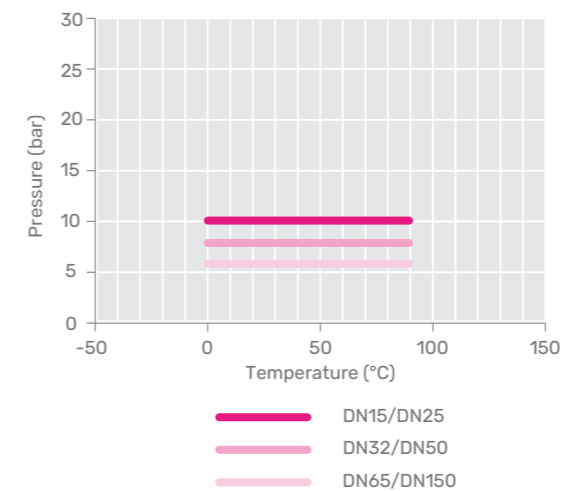
Brass foot valve
Female threaded (ISO 228/1)
SBR seal
Fiber body-strainer gasket
To be installed vertically (with upward flow)
TR CU 010 compliant

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



765K

BRASS SPRING-LOADED CHECK VALVE



Spring-loaded brass check valve
Threaded F/F (ISO 7/1 Rp)
Stainless steel spring
Brass internal parts, EPDM Perox seal
Optional stainless steel foot strainer (mesh 1000µm)
To be installed horizontally or vertically
Minimum opening pressure 0,03bar

PN25 (PN16 for DN65 and DN80, PN12 for DN100)

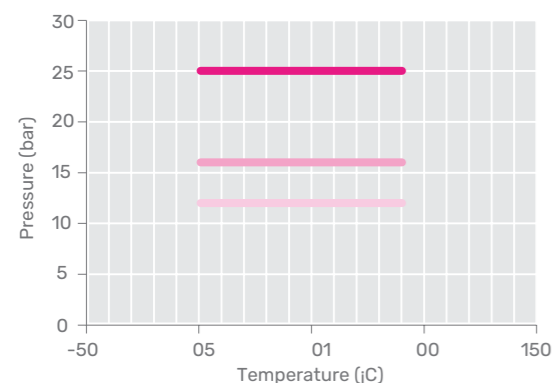
WORKING CONDITIONS

- Suitable for: water, 0°C to +100°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig.765K				
F765K0010.3195	010 - 3/8"	1	87	0,1
F765K0015.3195	015 - 1/2"	1	123	0,1
F765K0020.3195	020 - 3/4"	1	192	0,2
F765K0025.3195	025 - 1"	1	299	0,3
F765K0032.3195	032 - 1 1/4"	1	481	0,5
F765K0040.3195	040 - 1 1/2"	1	627	0,6
F765K0050.3195	050 - 2"	1	999	1
F765K0065.3195	065 - 2 1/2"	1	2120	2,1
F765K0080.3195	080 - 3"	1	3120	3,1
F765K00100.3195	100 - 4"	1	5593	5,6

Optional foot strainer

KFF76K015.1371	015 - 1/2"	1	7	0,1
KFF76K020.1371	020 - 3/4"	1	11	0,1
KFF76K025.1371	025 - 1"	1	20	0,1
KFF76K032.1371	032 - 1 1/4"	1	25	0,1
KFF76K040.1371	040 - 1 1/2"	1	35	0,1
KFF76K050.1371	050 - 2"	1	45	0,1
KFF76K065.1371	065 - 2 1/2"	1	75	0,1
KFF76K080.1371	080 - 3"	1	125	0,1
KFF76K100.1371	100 - 4"	1	175	0,2



— DN10/DN50
— DN65/DN80
— DN100

776

CAST IRON DUAL PLATE CHECK VALVE



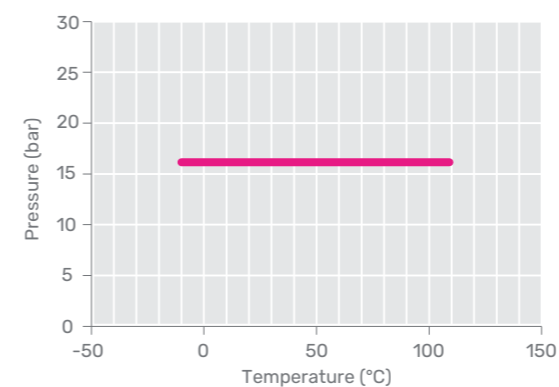
Cast iron dual plate check valve
Wafer type suitable for EN1092 PN16 flanges
Suitable also for flanges PN10 up to DN≤250
Design according to EN12334
Testing according to EN12266-1
Lengths according to EN558-1 series 16
Stainless steel internals, EPDM seat, PTFE washers
To be installed horizontally or 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)

EAC



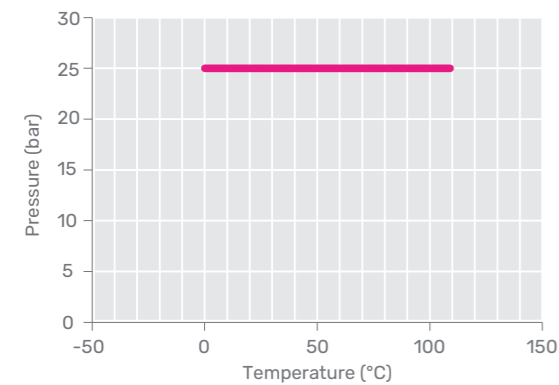
Ductile iron dual plate check valve
Wafer type suitable for EN1092 PN25 flanges
Suitable also for flanges PN10 up to DN≤250
Design according to EN12334
Testing according to EN12266-1
Lengths according to EN558-1 series 16
Stainless steel internals, EPDM seat, PTFE washers
To be installed horizontally 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

EAC



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

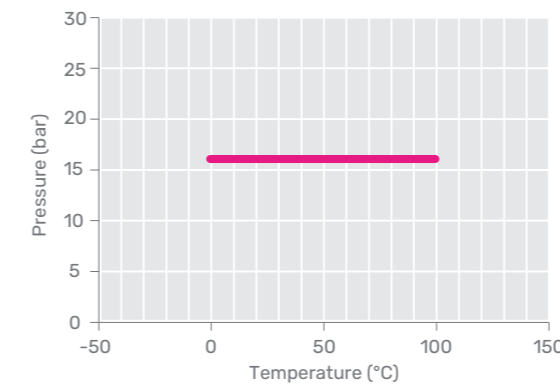
WORKING CONDITIONS

- Suitable for: water, 0°C to +100°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 890 - Metal seat				
F89051040.1015	040 - 1 1/2"	1	8800	8,8
F89051050.1015	050 - 2"	1	12400	12,4
F89051065.1015	065 - 2 1/2"	1	15200	15,2
F89051080.1015	080 - 3"	1	19500	19,5
F89051100.1015	100 - 4"	1	26810	26,8
F89051125.1015	125 - 5"	1	42000	42,0
F89051150.1015	150 - 6"	1	57720	57,7
F89051200.1015	200 - 8"	1	93000	93,0
F89051250.1015	250 - 10"	1	145000	145,0
F89051300.1015	300 - 12"	1	221000	221,0
F89051350.1015	350 - 14"	1	265000	265,0
F89051400.1015	400 - 16"	1	357000	357,0

Fig. 890E - EPDM seat

F89051040.2837	040 - 1 1/2"	1	8800	8,8
F89051050.2837	050 - 2"	1	12400	12,4
F89051065.2837	065 - 2 1/2"	1	15200	15,2
F89051080.2837	080 - 3"	1	19500	19,5
F89051100.2837	100 - 4"	1	26810	26,8
F89051125.2837	125 - 5"	1	42000	42,0
F89051150.2837	150 - 6"	1	57700	57,7
F89051200.2837	200 - 8"	1	93000	93,0
F89051250.2837	250 - 10"	1	145000	145,0
F89051300.2837	300 - 12"	1	221000	221,0
F89051350.2837	350 - 14"	1	265000	265,0
F89051400.2837	400 - 16"	1	357000	357,0



CAST IRON BALL CHECK VALVE



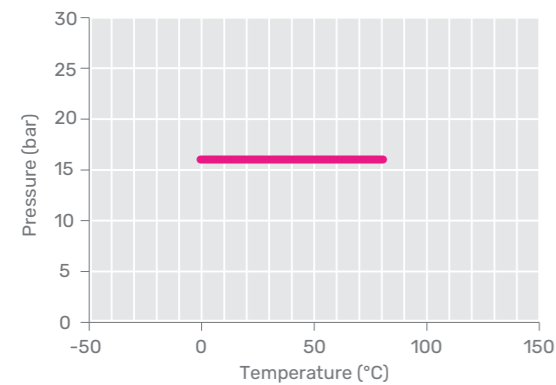
Cast iron ball check valve
 Threaded F/F (ISO 228/1) for DN15-DN50
 Flanged PN16 according to EN1092-2 (ex DIN2533) for DN65-DN300
 Lengths according to EN558-1 series 48 (ex DIN3202 F6) for DN65-DN300
 NBR metal coated ball, NBR gasket
 Minimum opening pressure 0,04bar
 TR CU 010 compliant

PN16

WORKING CONDITIONS

- Suitable for: water, 0°C to +80°C

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



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

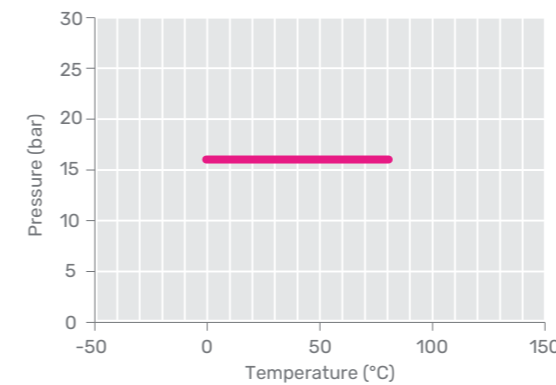
WORKING CONDITIONS

- 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

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



SHUT-OFF INDEX

340 342	p.68 69
33FF 33MF	p.70 71
340LN 340LD	p.72 73
350TAB 340DR	p.74 75
380 380LN	p.76 77
39BVO 310N - 310BF	p.78 79
293LK 322	p.80 81
323 - 324 SPARE PARTS	p.82 83
SPARE PARTS SPARE PARTS	p.84 85
4020L, 4020G 4025L, 4025G	p.86 87
4029L, 4029G 4320L, 4320G	p.88 89
4325L, 4325G 4329L, 4329G	p.90 91
402WL, 402WG 432WL, 432WG	p.92 93
4520L, 4520G 4525L, 4525G	p.94 95
4620L, 4620G 4625L, 4625G	p.96 97
CUTTER-AQ ACCESSORIES	p.98 99
ACCESSORIES	p.100
1FVC 1EFV	plumbing p. 112 113



FULL PORT BRASS BALL VALVE



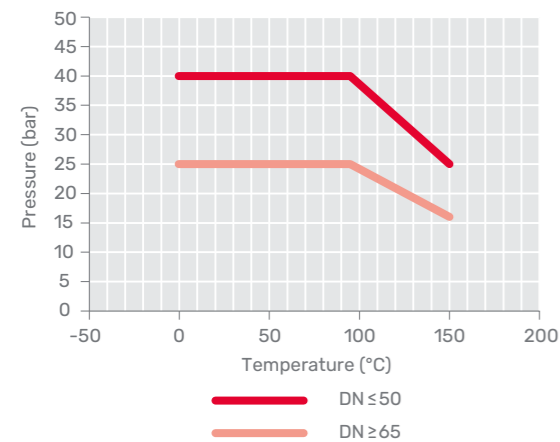
Chromium plated full port brass ball valve
Threaded F/F (ISO 228/1)
Design according to MSS-SP110
Air testing according to EN12266-1
Chromium plated ball, PTFE seats
Blow-out proof stem, adjustable PTFE packing
With handle or butterfly (up to DN≤50)
ACS, VA, WRAS and TR CU 010 compliant

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)				
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



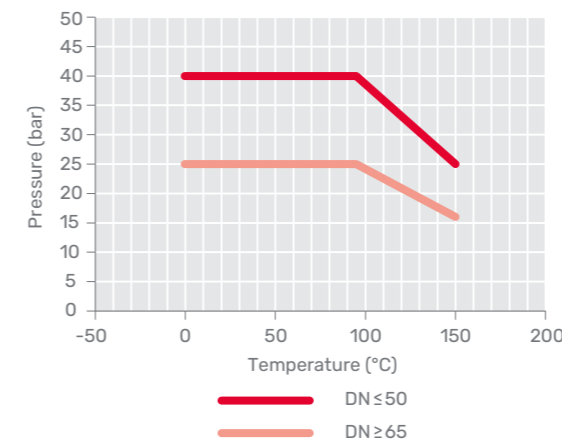
Chromium plated full port brass ball valve with drain
Threaded F/F (ISO 228/1)
Design according to MSS-SP110
Air testing according to EN12266-1
Chromium plated ball, PTFE seats
Blow-out proof stem, adjustable PTFE packing
With handle or butterfly
ACS, VA and TR CU 010 compliant

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				
F3420A015.3594	015 - 1/2"	90	214	19,3
F3420A020.3594	020 - 3/4"	60	305	18,3
F3420A025.3594	025 - 1"	35	514	18,0
F3420A032.3594	032 - 1 1/4"	25	823	20,6
F3420A040.3594	040 - 1 1/2"	16	1219	19,5
F3420A050.3594	050 - 2"	8	1848	14,8
Version with red lever handle available on request (F3400Vmis.153)				
Butterfly handle version				
F3420A015.3595	015 - 1/2"	90	186	16,7
F3420A020.3595	020 - 3/4"	60	276	16,6
F3420A025.3595	025 - 1"	35	467	16,3
F3420A032.3595	032 - 1 1/4"	25	774	19,4
F3420A040.3595	040 - 1 1/2"	16	1150	18,4
F3420A050.3595	050 - 2"	8	1740	13,9
Version with red butterfly handle available on request (F3400Vmis.157)				



33FF

FULL PORT BRASS BALL VALVE WITH REVERSIBLE HANDLE



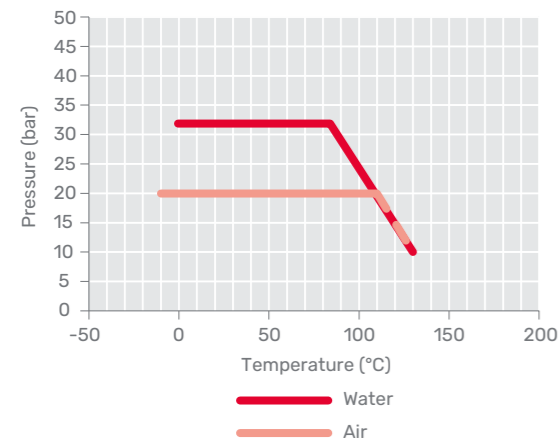
Nickel plated full port brass ball valve
Threaded F/F (ISO 228/1)
Threads and internal parts not plated
Air testing according to EN12266-1
Chromium plated ball, PTFE seats
Blow-out proof stem, FKM + NBR stem O-rings
Reversible handle
WRAS and TR CU 010 compliant

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



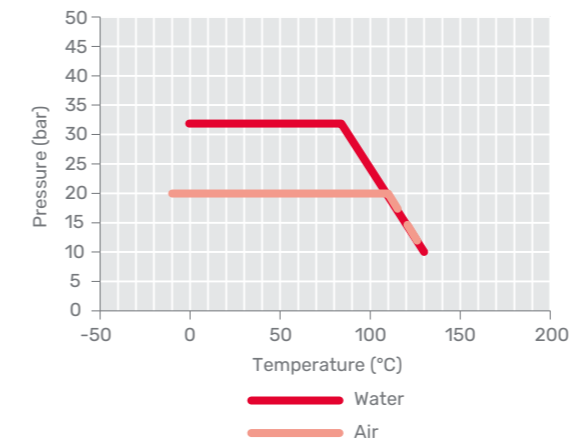
Nickel plated full port brass ball valve
Threaded M/F (ISO 228/1)
Threads and internal parts not plated
Air testing according to EN12266-1
Chromium plated ball, PTFE seats
Blow-out proof stem, FKM + NBR stem O-rings
Reversible handle
WRAS and TR CU 010 compliant

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



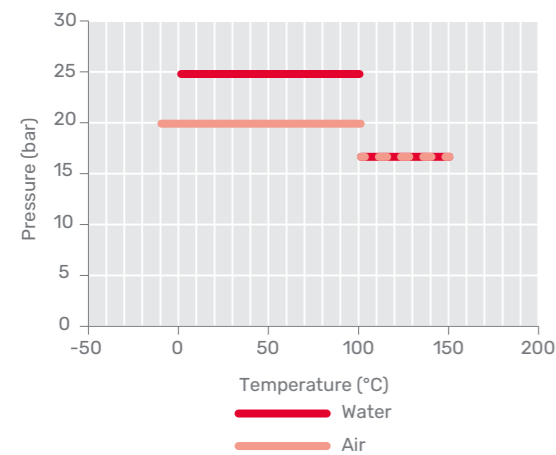
Full port "long neck" brass ball valve
Threaded F/F (ISO 228/1)
Air testing according EN12266-1
Adjustable packing
ACS and VA compliant

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



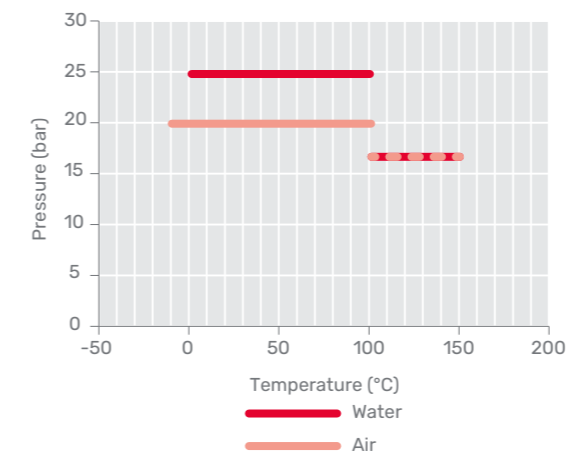
Full port "long neck" brass ball valve with drain
Threaded F/F (ISO 228/1)
Air testing according EN12266-1
Adjustable packing

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



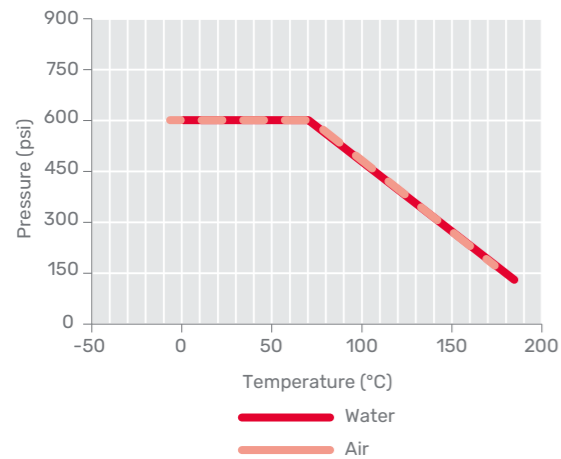
Lead free brass body
Threaded ends (ASME B1.20.1-NPT)
Chrome plated ball
Virgin PTFE seats
Blow-out proof stem
UL, FM, CSA and TR CU 010 compliant
NSF/ANSI 61 & 372

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



340DR

FULL PORT DZR BRASS BALL VALVE

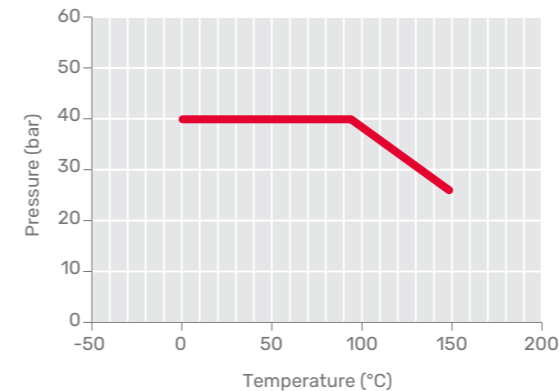


Full port DZR brass ball valve
Threaded F/F (ISO 228/1)
Design according to MSS-SP110
Brass lockshield, NBR seal
Air testing according to EN12266-1
Blow-out proof stem
Adjustable packing
STF, VA and TR CU 010 compliant
PN40 (max 40bar up to 95°C, max 25bar at 150°C)

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



380

FULL PORT BRONZE BALL VALVE



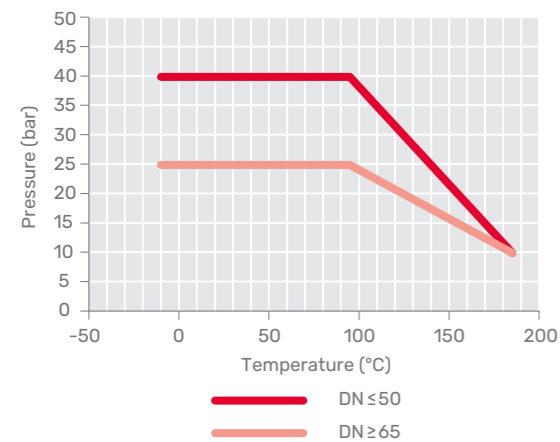
Full port bronze ball valve
Threaded F/F (ISO 228/1)
(available on request with ASME B1.20.1 NPT threads)
Design according to MSS-SP110
Air testing according to EN12266-1
Chromium plated ball, PTFE seats
Blow-out proof stem, adjustable PTFE packing
With handle or butterfly (up to DN50)
VA, GDV and TR 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



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

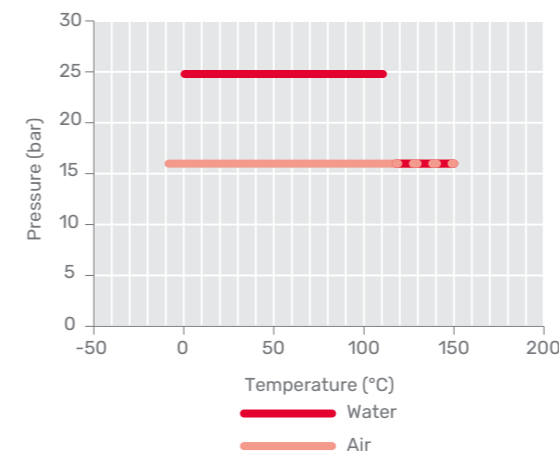
PN25 (Max 25bar up to 110°C, max 16bar above)
PN16 when used with air

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



39BVO

FULL PORT STAINLESS STEEL BALL VALVE

EAC



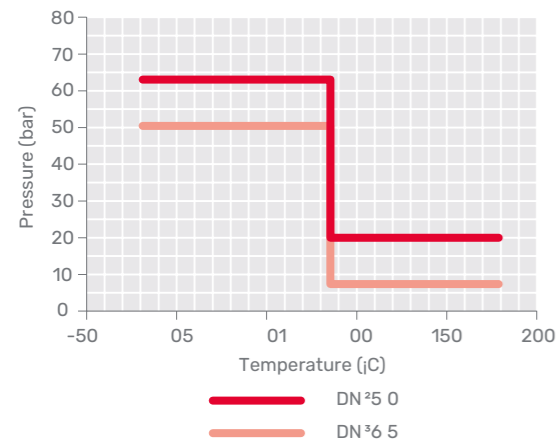
Full port 316 stainless steel ball valve
Threaded F/F (ISO 7/1 Rp)
Stainless steel ball, PTFE seats
Blow-out proof stainless steel stem, adjustable PTFE packing
TR CU 010 compliant

PN64 for DN≤50 (Max 64bar up to 85°C, max 20bar above)
PN50 for DN≥65 (Max 50bar 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
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



310N - 310BF

BRASS BALL BIB COCK

ACS



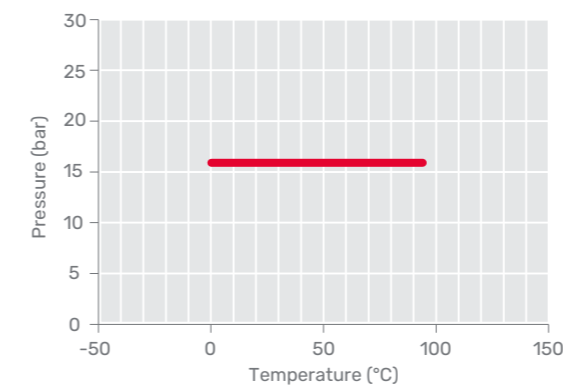
Nickel plated brass ball bib cock
Threaded M (ISO 228/1) with hose union
Available in the following version:
- Fig. 310N, ball bib cock
- Fig. 310BF, ball bib cock with check valve
Air testing according to EN12266-1
Chromium plated ball, PTFE seats
Blow-out proof stem, NBR stem O-rings
POM check valve embedded in the fixed end (310BF only)
With handle or available with butterfly on request
TR CU 010 compliant, ACS compliant version available on request

PN16

WORKING CONDITIONS

- Suitable for: water, 0°C to +95°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 310N				
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
Fig. 310BF				
F310K0015.1917	015 - 1/2"	14	180	2,5
F310K0020.1917	020 - 3/4"	8	295	2,4
F310K0025.1917	025 - 1"	5	450	2,3



293LK

BRASS BIBCOCK WITH LOCKSHIELD AND KEY



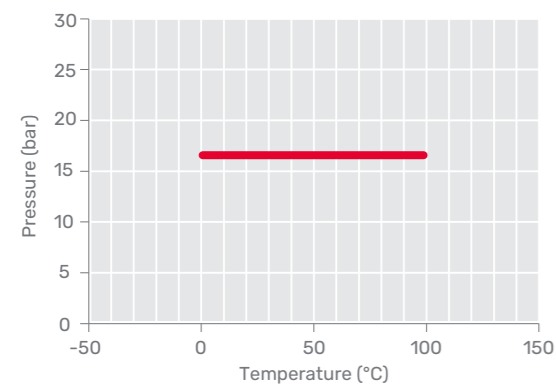
Brass bibcock
Threaded M (ISO 228/1) with hose union
Ring and hose union in brass
Brass lockshield, NBR seal
PTFE packing, brass packing nut
With lockshield and key

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

PN16

WORKING CONDITIONS

- Suitable for: water, 0°C to +100°C



322

BRASS DRAIN VALVE

EAC



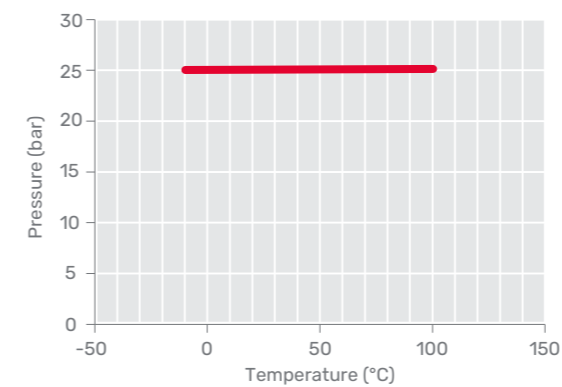
Brass drain valve
Threaded M (ISO 7/1R) on valve side
Threaded M for union (ISO 228/1) on drain side
Chromium plated ball, PTFE seats
Blow out proof stem
EPDM stem O-ring + adjustable PTFE packing

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

PN25

WORKING CONDITIONS

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



323 - 324

BRASS MINI BALL VALVE

EAC



Fig. 324

Fig. 323



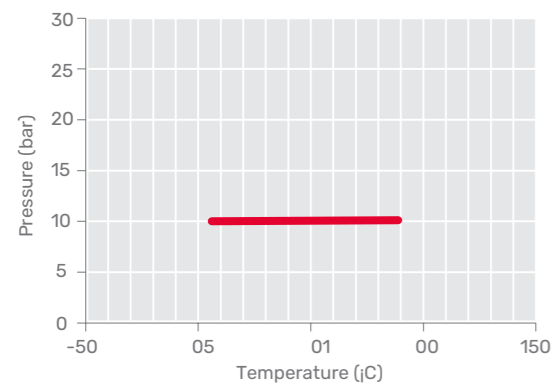
Nickel plated mini brass ball valve
Available in the following versions:
- Fig. 323, threaded M/F (ISO 228/1)
- Fig. 324, threaded F/F (ISO 228/1)
Chromium plated ball, PTFE seats
Blow-out proof stem, NBR stem O-rings
Aluminum handle
TR CU 010 compliant

PN10

WORKING CONDITIONS

- Suitable for: water, 5°C to +90°C

Vir Code	DN mm - inches	Pcs./box	Wgt. [g]	Box [Kg]
Fig. 323				
F3230A008.917	008 - 1/4"	50	90	4,5
F3230A010.917	010 - 3/8"	50	85	4,3
F3230A015.917	015 - 1/2"	50	100	5,0
F3230A020.917	020 - 3/4"	25	150	3,8
Fig. 324				
F3240A008.917	008 - 1/4"	50	90	4,5
F3240A010.917	010 - 3/8"	50	85	4,3
F3240A015.917	015 - 1/2"	50	100	5,0
F3240A020.917	020 - 3/4"	25	150	3,8



ACCESSORIES - 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
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

ACCESSORIES - SPARE PARTS

LOCKABLE HANDLES AND STEM EXTENSIONS



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

Lock One:
Device allowing padlocking
for Fig. 340G



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

Lockable handle 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

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

ACCESSORIES - SPARE PARTS

LOCKABLE HANDLES AND STEM EXTENSIONS



Aluminum extension and brass rod

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 33FF - 33MF				
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 - 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)

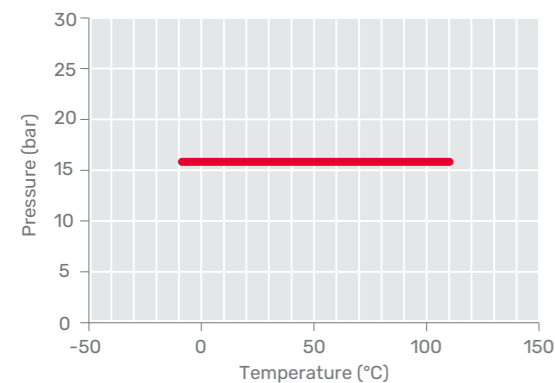
ERC



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



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

4025L - 4025G

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

ERC



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

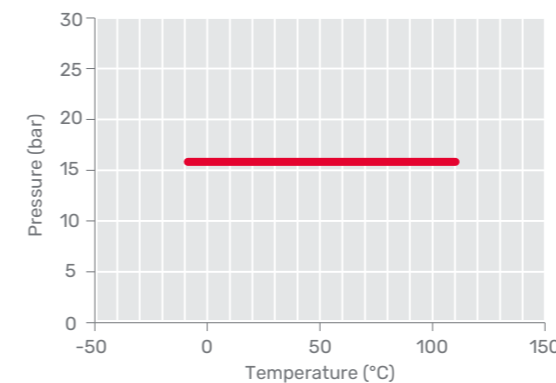
Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 4025L - Aluminium lever				
F4025L032.2302	032 - 1 1/4"	1	2300	2,3
F4025L040.2302	040 - 1 1/2"	1	2600	2,6
F4025L050.2302	050 - 2"	1	3270	3,3
F4025L065.2302	065 - 2 1/2"	1	3970	4,0
F4025L080.2302	080 - 3"	1	4470	4,5
F4025L100.2302	100 - 4"	1	6070	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

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



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
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	8100	8,1
F4025G065.1009	065 - 2 1/2"	1	8900	8,9
F4025G080.1009	080 - 3"	1	9200	9,2
F4025G100.1009	100 - 4"	1	11000	11,0
F4025G125.1009	125 - 5"	1	13000	13,0
F4025G150.1009	150 - 6"	1	12000	12,0
F4025G200.1009	200 - 8"	1	21900	21,9
F4025G250.1009	250 - 10"	1	27400	27,4
F4025G300.1009	300 - 12"	1	39500	39,5
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

4029L - 4029G

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

EAC



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

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

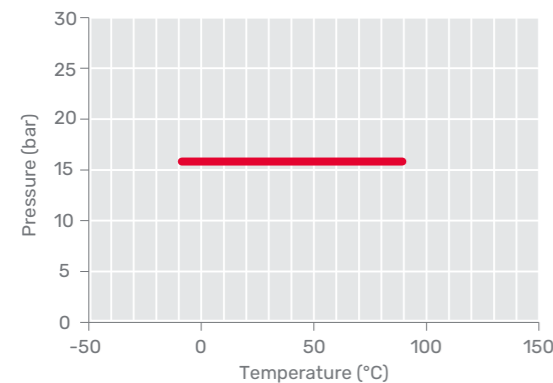
Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 4029G				
F4029G032.1009	032 - 1 1/4"	1	7300	7,3
F4029G040.1009	040 - 1 1/2"	1	7600	7,6
F4029G050.1009	050 - 2"	1	8100	8,1
F4029G065.1009	065 - 2 1/2"	1	8900	8,9
F4029G080.1009	080 - 3"	1	9200	9,2
F4029G100.1009	100 - 4"	1	11000	11,0
F4029G125.1009	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)

EAC



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

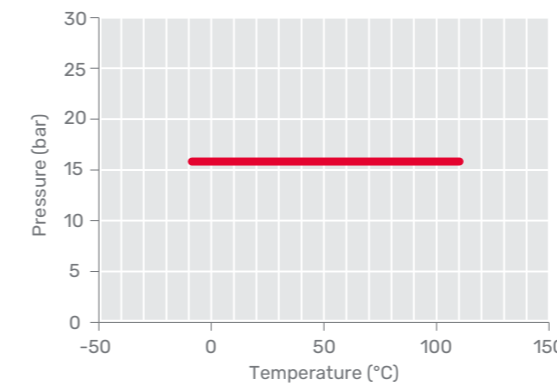
Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 4320L - Aluminium lever				
F4320L032.2301	032 - 1 1/4"	1	2980	3,0
F4320L040.2301	040 - 1 1/2"	1	3300	3,3
F4320L050.2301	050 - 2"	1	4670	4,7
F4320L065.2301	065 - 2 1/2"	1	4970	5,0
F4320L080.2301	080 - 3"	1	5370	5,4
F4320L100.2301	100 - 4"	1	8770	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

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



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

4325L - 4325G

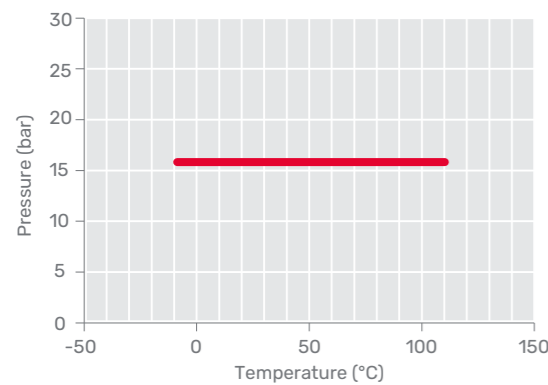
DUCTILE IRON LUG BUTTERFLY VALVE (STAINLESS STEEL DISC AND EPDM SEAT)



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

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

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



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

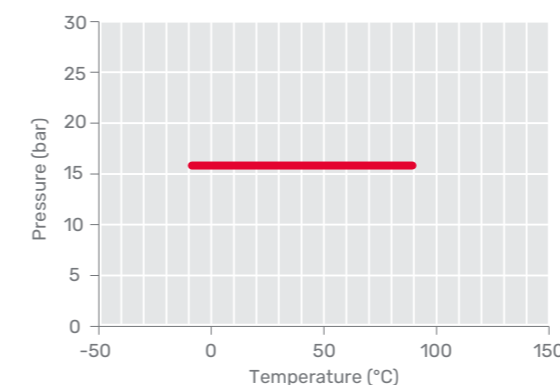
Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 4329L - Aluminium lever				
F4329L032.2302	032 - 1 1/4"	1	4400	4,4
F4329L040.2302	040 - 1 1/2"	1	4600	4,6
F4329L050.2302	050 - 2"	1	5100	5,1
F4329L065.2302	065 - 2 1/2"	1	5000	5,0
F4329L080.2302	080 - 3"	1	5800	5,8
F4329L100.2302	100 - 4"	1	9200	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

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



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

402WL - 402WG

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



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

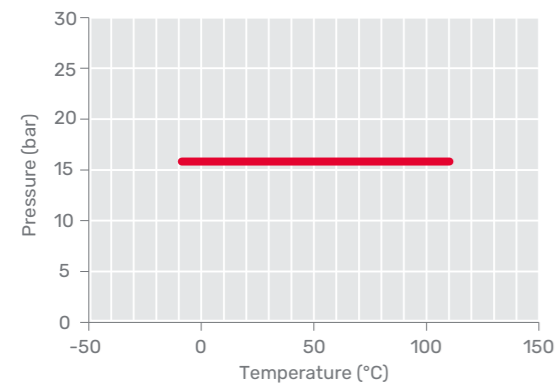
Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 402WG				
F402WG032.928	032 - 1 1/4"	1	7900	7,9
F402WG040.928	040 - 1 1/2"	1	8000	8,0
F402WG050.928	050 - 2"	1	8650	8,7
F402WG065.928	065 - 2 1/2"	1	9700	9,7
F402WG080.928	080 - 3"	1	9500	9,5
F402WG100.928	100 - 4"	1	11200	11,2
F402WG125.928	125 - 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

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



432WL - 432WG

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



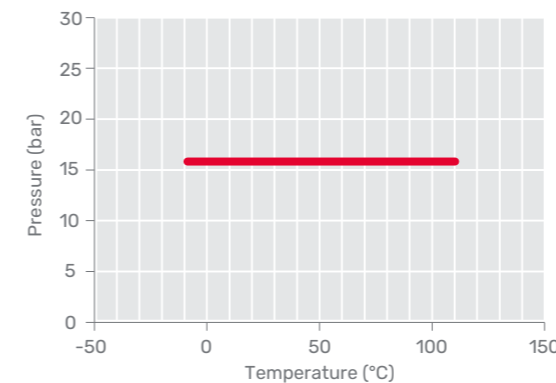
Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 432WL - Aluminium lever				
F432WL032.2904	032 - 1 1/4"	1	3500	3,5
F432WL040.2904	040 - 1 1/2"	1	3800	3,8
F432WL050.2904	050 - 2"	1	5200	5,2
F432WL065.2904	065 - 2 1/2"	1	5500	5,5
F432WL080.2904	080 - 3"	1	5900	5,9
F432WL100.2904	100 - 4"	1	9300	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

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. 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 (DUCTILE IRON DISC AND EPDM SEAT - PN25)

EAC

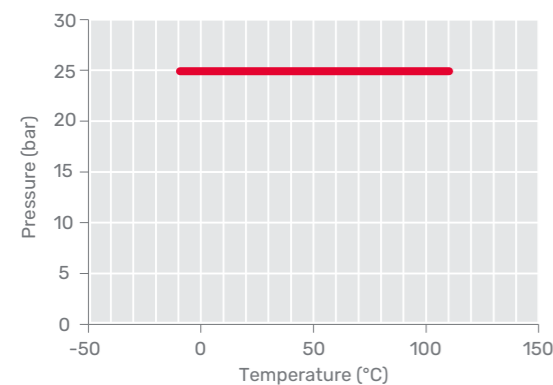


Ductile iron Wafer butterfly valve
For EN1092 PN25 flanges
Lengths according to EN558-1 series 20 (ex DIN3202 K1)
Design according to EN593
Testing according to EN12266-1
Epoxy coating (min. 150µm)
Nikel plated ductile iron disc
EPDM seat, EPDM stem O-rings, PTFE bushing
With lever or manual gear
With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

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 Cast iron lever				
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

4525L - 4525G

DUCTILE IRON WAFER BUTTERFLY VALVE (STAINLESS STEEL DISC AND EPDM SEAT - PN25)

EAC

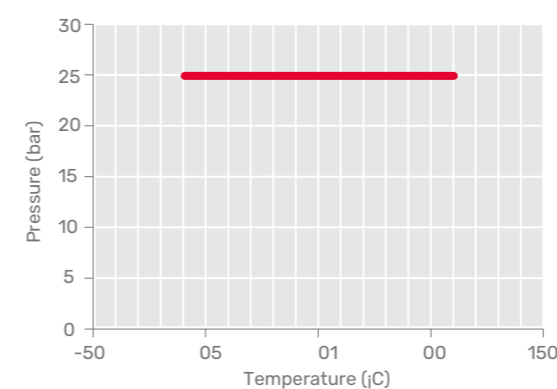


Ductile iron Wafer butterfly valve
For EN1092 PN25 flanges
Lengths according to EN558-1 series 20 (ex DIN3202 K1)
Design according to EN593
Testing according to EN12266-1
Epoxy coating (min. 150µm)
Stainless steel disc
EPDM seat, EPDM stem O-rings, PTFE bushing
With lever or manual gear
With ISO 5211 flange for electric or pneumatic actuator
TR CU 010, ACS and WRAS 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. 4525L Cast iron lever				
F4525L050.929	050 - 2"	1	3800	3,8
F4525L065.929	065 - 2 1/2"	1	4700	4,7
F4525L080.929	080 - 3"	1	4800	4,8
F4525L100.929	100 - 4"	1	6800	6,8
F4525L125.929	125 - 5"	1	8700	8,7
F4525L150.929	150 - 6"	1	11600	11,6

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 4525G				
F4525G050.1009	050 - 2"	1	6700	6,7
F4525G065.1009	065 - 2 1/2"	1	7600	7,6
F4525G080.1009	080 - 3"	1	7700	7,7
F4525G100.1009	100 - 4"	1	9700	9,7
F4525G125.1009	125 - 5"	1	11600	11,6
F4525G150.1009	150 - 6"	1	14500	14,5
F4525G200.1009	200 - 8"	1	23000	23,0
F4525G250.1009	250 - 10"	1	31600	31,6
F4525G300.1009	300 - 12"	1	47600	47,6
F4525G350.1009	350 - 14"	1	53300	53,3
F4525G400.1009	400 - 16"	1	108000	108,0
F4525G450.1009	450 - 18"	1	132000	132,0
F4525G500.1009	500 - 20"	1	174000	174,0

4620L - 4620G

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

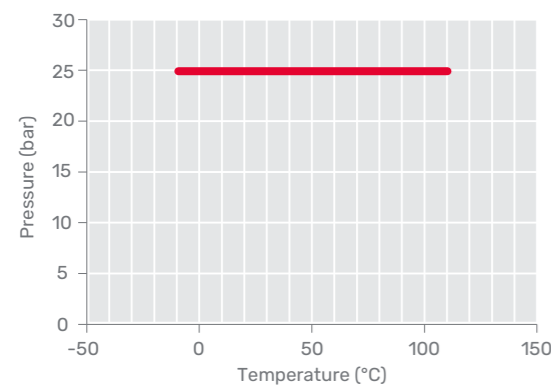
Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 4620L Cast iron lever				
F4620L050.927	050 - 2"	1	5100	5,1
F4620L065.927	065 - 2 1/2"	1	5000	5,0
F4620L080.927	080 - 3"	1	6000	6,0
F4620L100.927	100 - 4"	1	9200	9,2
F4620L125.927	125 - 5"	1	10400	10,4
F4620L150.927	150 - 6"	1	13600	13,6

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
F4620G350.928	350 - 14"	1	75000	75,0
F4620G400.928	400 - 16"	1	100000	100,0
F4620G450.928	450 - 18"	1	125000	125,0
F4620G500.928	500 - 20"	1	140000	140,0

PN25

WORKING CONDITIONS

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



4625L - 4625G

DUCTILE IRON LUG BUTTERFLY VALVE (STAINLESS STEEL DISC AND EPDM SEAT - 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)
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, ACS and WRAS compliant

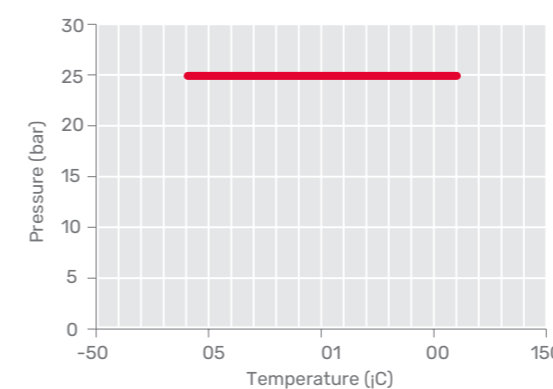
Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 4625L Cast iron lever				
F4625L050.929	050 - 2"	1	4000	4,0
F4625L065.929	065 - 2 1/2"	1	5500	5,5
F4625L080.929	080 - 3"	1	5800	5,8
F4625L100.929	100 - 4"	1	7500	7,5
F4625L125.929	125 - 5"	1	11000	11,0
F4625L150.929	150 - 6"	1	11600	11,6

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 4625G				
F4625G050.1009	050 - 2"	1	7100	7,1
F4625G065.1009	065 - 2 1/2"	1	8600	8,6
F4625G080.1009	080 - 3"	1	8900	8,9
F4625G100.1009	100 - 4"	1	10600	10,6
F4625G125.1009	125 - 5"	1	14100	14,1
F4625G150.1009	150 - 6"	1	14700	14,7
F4625G200.1009	200 - 8"	1	30000	30,0
F4625G250.1009	250 - 10"	1	40000	40,0
F4625G300.1009	300 - 12"	1	65400	65,4
F4625G350.1009	350 - 14"	1	73000	73,0
F4625G400.1009	400 - 16"	1	96300	96,3
F4625G450.1009	450 - 18"	1	121700	121,7
F4625G500.1009	500 - 20"	1	136000	136,0

PN25

WORKING CONDITIONS

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



CUTTER-AQ

ELECTRIC ACTUATOR



Vir Code	DN mm - inches	Pcs./box	Wgt. [g]	Box [Kg]
85-260VAC or 24VDC version				
KACUTAQ00.800	-	1	2500	2,5
KACUTAQ01.800	-	1	2500	2,5
KACUTAQ02.800	-	1	3000	3,0
230VAC version				
KACUTAQ03.800	-	1	10000	10,0
KACUTAQ04.800	-	1	10000	10,0
KACUTAQ06.800	-	1	15000	15,0
KACUTAQ07.800	-	1	15000	15,0
KACUTAQ11.800	-	1	18000	18,0
KACUTAQ12.800	-	1	48000	48,0
KACUTAQ13.800	-	1	58000	58,0
24VDC version				
KACUTAQ08.800	-	1	10000	10,0
KACUTAQ09.800	-	1	10000	10,0
KACUTAQ10.800	-	1	15000	15,0

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

Modulating version with 4-20mA control and 4-20mA position transmitter on request

Vir code	Fig. 4020, 4025, 4029, 402W Fig. 4320, 4325, 4329, 432W	Fig. 4520 Fig. 4620
85-260VAC or 24VDC version		
KACUTAQ00.800	DN032/DN040	-
KACUTAQ01.800	DN050/DN080	-
KACUTAQ02.800	DN100	DN050/DN080
230VAC version		
KACUTAQ03.800	DN125	DN100
KACUTAQ04.800	DN150	DN125
KACUTAQ06.800	DN200	DN150
KACUTAQ07.800	DN250	DN200
KACUTAQ11.800	DN300/DN350	-
KACUTAQ12.800	DN400/DN450	-
KACUTAQ13.800	DN500/DN600	-
24VDC version		
KACUTAQ08.800	DN125	DN100
KACUTAQ09.800	DN150	DN125
KACUTAQ10.800	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	032/080	1	3800	3,8
KXV4PAB00.932	100	1	3800	3,8
KXV4PAC00.932	125/150	1	3800	3,8
KXV4PAD00.932	200	1	8500	8,5
KXV4PAE00.932	250	1	8500	8,5
KXV4PAF00.932	300/350	1	10500	10,5
KXV4PAG00.932	400/450	1	27000	27
KXV4PAH00.932	500	1	27000	27
KXV4PAI00.932	600	1	47500	47,6

Spare pin for handwheel-stem connection:
KVR4PGA00.3320 - DN32 / DN150
KVR4PGD00.3320 - DN200 / DN350

ACCESSORIES

ACCESSORIES FOR BUTTERFLY VALVES



Cast iron gear with chain

Vir Code	DN mm - inches	Pcs./box	Wgt. [g]	Box [Kg]
Chain drive gear				
KXV4PHA00.3321	032 / 150	1	5800	5,8
KXV4PHB00.3321	200 / 250	1	10500	10,5
KXV4PHC00.3321	300 / 350	1	12300	12,3
KXV4PHD00.3321	400 / 600	1	29100	29,1

Spare pin for handwheel-stem connection:
KVR4PGA00.3320 - DN32 / DN150
KVR4PGD00.3320 - DN200 / DN350

For all items except 4820L



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	DN300/350	1	10500	10,5

STRAINERS INDEX

899A | 899S ————— p.104 | 105

900 | 89DV ————— p.106 | 107

895 | 895H ————— p.108 | 109



899A

BRASS STRAINER



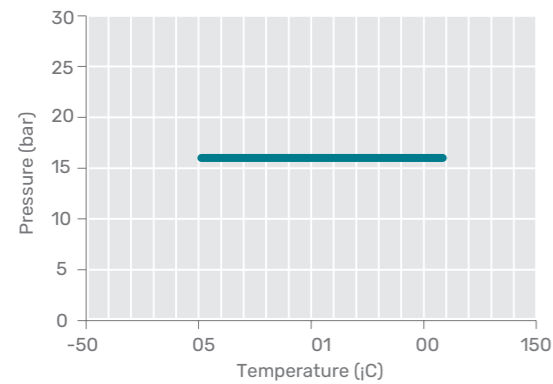
Brass strainer
Threaded F/F (ISO 228/1)
Body/bonnet O-ring in EPDM
Stainless steel strainer
13 Mesh

PN16

WORKING CONDITIONS

- Suitable for: water, 0°C to +110°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F899A0015.3430	015 - 1/2"	1	123	0,1
F899A0020.3430	020 - 3/4"	1	210	0,2
F899A0025.3430	025 - 1"	1	333	0,3
F899A0032.3430	032 - 1 1/4"	1	593	0,6
F899A0040.3430	040 - 1 1/2"	1	709	0,7
F899A0050.3430	050 - 2"	1	1224	1,2



899S

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)

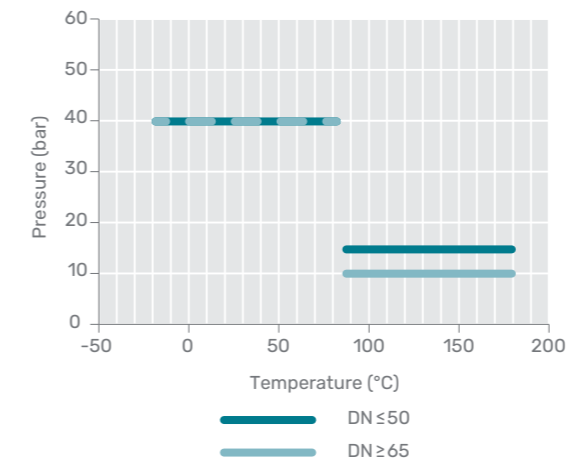
PN40

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



900

BRONZE STRAINER



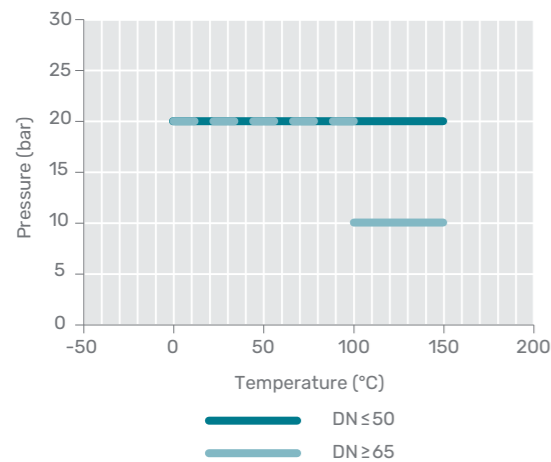
Bronze strainer with brass cap
Threaded F/F (ISO 228/1)
Stainless steel strainer, fiber or PTFE gasket (depending on size)
(mesh Ø0,5mm up to DN≤20, Ø0,8mm above)
WRAS compliant (1/2" - 2")

PN20 (for DN≥65 Max 10bar above 110°C)

WORKING CONDITIONS

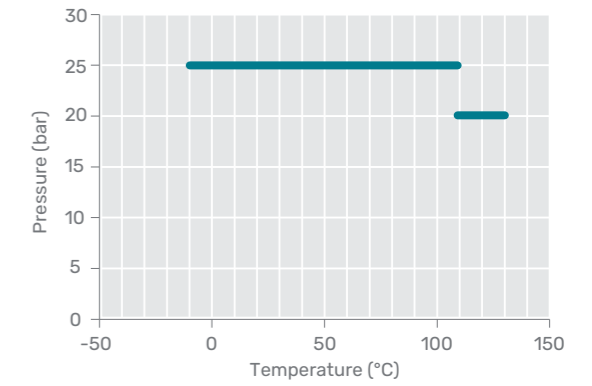
- Suitable for: water, 0°C to +150°C

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



89DV

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.



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

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

WORKING CONDITIONS

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



CAST IRON STRAINER



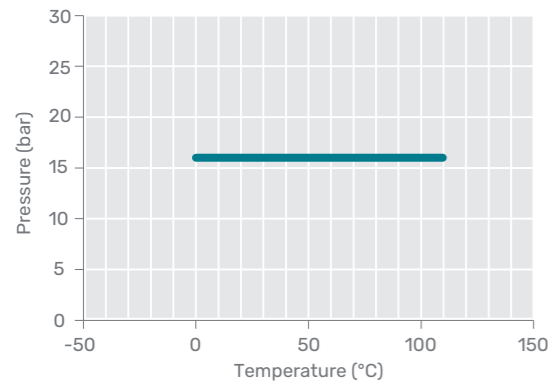
Vir Code	DN mm - inches	Pcs./box	Wgt. [g]	Box [Kg]
F89511015.842	015 - 1/2"	1	2000	2,0
F89511020.842	020 - 3/4"	1	3000	3,0
F89511025.842	025 - 1"	1	4000	4,0
F89511032.842	032 - 1 1/4"	1	6000	6,0
F89511040.842	040 - 1 1/2"	1	7200	7,2
F89511050.842	050 - 2"	1	8390	8,4
F89511065.842	065 - 2 1/2"	1	12700	12,7
F89511080.842	080 - 3"	1	15500	15,5
F89511100.842	100 - 4"	1	21800	21,8
F89511125.842	125 - 5"	1	30500	30,5
F89511150.842	150 - 6"	1	43900	43,9
F89511200.842	200 - 8"	1	78000	78,0
F89511250.842	250 - 10"	1	126000	126,0
F89511300.842	300 - 12"	1	165000	165,0
F89511350.842	350 - 14"	1	293500	293,5
F89511400.842	400 - 16"	1	389000	389,0
F89511450.842	450 - 18"	1	510000	510,0
F89511500.842	500 - 20"	1	640000	640,0
F89511600.842	600 - 24"	1	1072000	1072,0

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 from DN200 up to DN400,
 3,0mm above
 With 1/2" threaded drain
 WRAS compliant from DN32 to DN500

PN16

WORKING CONDITIONS

- Suitable for: water, 0°C to +110°C



Available spare EPDM gasket (KXG895mis.3167) for DN25 - DN400

Spare strainer

KFF895050.2025	050 - 2"	1	2300	2,3
KFF895065.2025	065 - 2 1/2"	1	3200	3,2
KFF895080.2025	080 - 3"	1	4700	4,7
KFF895100.2025	100 - 4"	1	6600	6,6
KFF895125.2025	125 - 5"	1	9500	9,5
KFF895150.2025	150 - 6"	1	13300	13,3
KFF895200.2025	200 - 8"	1	21600	21,6
KFF895250.2025	250 - 10"	1	31900	31,9
KFF895300.2025	300 - 12"	1	44100	44,1
KFF895350.2025	350 - 14"	1	60200	60,2
KFF895400.2025	400 - 16"	1	81300	81,3

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

KFF895025.307s	025 - 1"	1	390	0,4
KFF895032.307s	032 - 1 1/4"	1	450	0,5
KFF895040.307s	040 - 1 1/2"	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

DUCTILE IRON STRAINER (PN25)



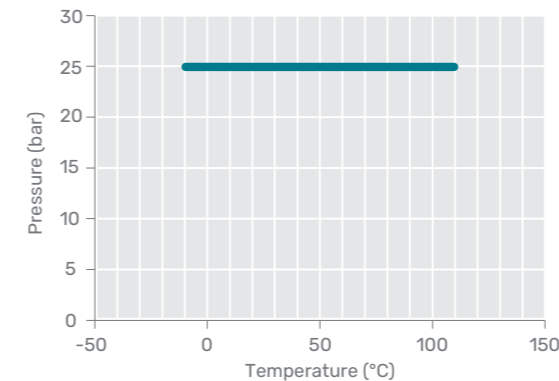
Ductile iron strainer
 Flanged PN25 according to EN1092-2 (ex DIN2533)
 Lengths according to EN558-1 series 1 (ex DIN3202 F1)
 Epoxy coating (min. 200µm)
 Steel strainer in SS304 with round holes mesh
 Hole diameter 1,5mm up to DN≤200, 2,0mm above
 With threaded drain (from 1" to 2" depending on the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



PLUMBING SPECIALTIES INDEX

- 1FVC | 1EFV ————— p.112 | 113
- 1L801 | 1L805 - 1L806 ————— p.114 | 115
- 9TMDR-A5 | 9WH ————— p.116 | 117
- 782DR | THERMOMETER+GAUGE ————— p.118 | 119
- 9TB1 ————— balancing p.35
- 9610 - 9610DR | 9660 - 9660BY ————— balancing p.30 | 31
- 40 ————— gate, globe and check p.48
- 90 - 90LK ————— gate, globe and check p.50
- 835WS ————— gate, globe and check p.58
- 815V ————— gate, globe and check p.59
- 33FF | 33MF ————— shut-off p.70 | 71
- 310N - 310BF ————— shut-off p.79
- 293LK ————— shut-off p.80
- 323 - 324 ————— shut-off p.82
- 899A ————— strainers p.104
- 900 ————— strainers p.106
- 9390 - 9393 ————— flexible joints and air vents p.134



1FVC

FIVE COTTER PIN FLOAT VALVE WITH FLAT ROD



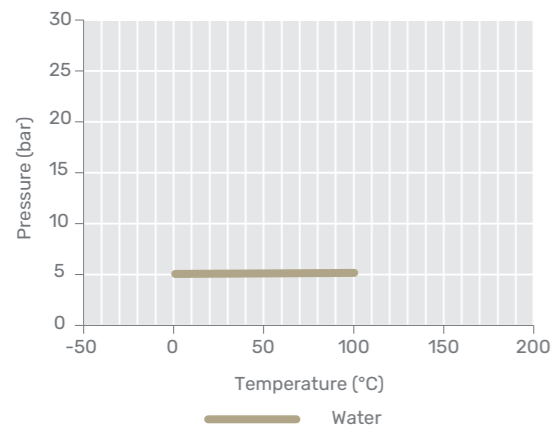
Five cotter pin brass float valve with flat rod (bronze for DN≥65)
Threaded M (ISO 228/1)
Copper floater with brass lock
Available also with plastic HDPE-BL3 floater and steel lock
Adjustable sphere position for opening pressure range 2-5bar
For atmospheric pressure tanks
Not suitable with pressurized 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)
Valve with Copper Floater				
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
Valve with HDPE Floater				
F93FCV020.3361	020 - 3/4"	1	416	0,4
F93FCV025.3361	025 - 1"	1	593	0,6
F93FCV032.3361	032 - 1 1/4"	1	1257	1,3
F93FCV040.3361	040 - 1 1/2"	1	1663	1,7
F93FCV050.3361	050 - 2"	1	2141	2,1
F93FCV065.3361	065 - 2 1/2"	1	4210	4,2
F93FCV080.3361	080 - 3"	1	5901	5,9
F93FCV100.3361	100 - 4"	1	8901	8,9



1EFV

EQUILIBRIUM FLOAT VALVE



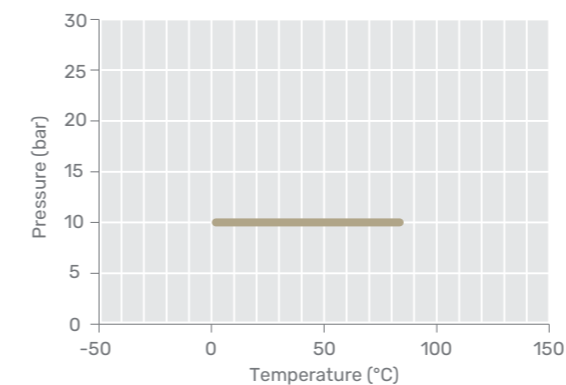
TEquilibrium float valve and floaters
Threaded M (ISO 228/1)
ABS or Copper floater provided separately
For atmospheric pressure tanks
Not suitable with pressurized containers in "CI - CII - CIII - CIV" categories

PN10

WORKING CONDITIONS

- Suitable for: water, 0°C to +85°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Valve without floater				
F1FV01015.3469	015 - 1/2"	1	479	0,5
F1FV01020.3469	020 - 3/4"	1	873	0,9
F1FV01025.3469	025 - 1"	1	1580	1,6
F1FV01032.3469	032 - 1 1/4"	1	3428	3,4
ABS Floater (provided separately)				
KXK1FB015.3477	015 - 1/2"	1	63	0,1
KXK1FB020.3477	020 - 3/4"	1	90	0,1
KXK1FB025.3477	025 - 1"	1	187	0,2
KXK1FB032.3477	032 - 1 1/4"	1	377	0,4
Copper Floater (provided separately)				
KXK1FB015.3534	015 - 1/2"	1	115	0,1
KXK1FB020.3534	020 - 3/4"	1	207	0,2
KXK1FB025.3534	025 - 1"	1	230	0,2
KXK1FB032.3534	032 - 1 1/4"	1	560	0,6



1L801

BRASS ANGLE VALVE



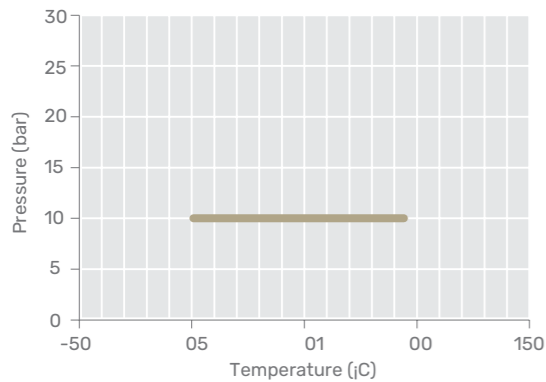
Brass angle valve
 Threaded M (1/2" ISO 228/1) with covering plate on wall side
 Threaded M (1/2" ISO 228/1) on sink side
 Provided with both red and blue plastic cap (given unmounted)
 WRAS compliant

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F1L801015.3397	015 - 1/2"	1	168	0.2

PN10

WORKING CONDITIONS

- Suitable for: water, 0°C to +95°C



1L805 - 1L806

BRASS ANGLE VALVES



Fig. 1L805



Fig. 1L806

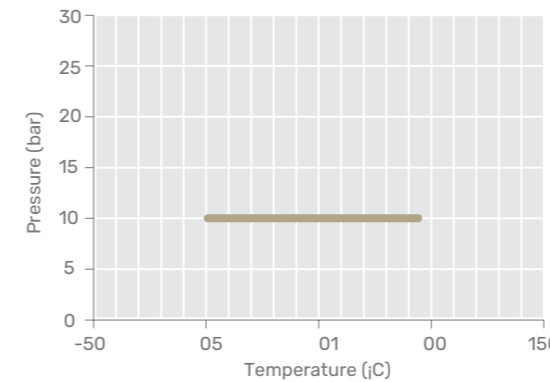
Brass angle valve
 Threaded M (1/2" ISO 228/1) with covering plate on wall side
 Available in the following versions:
 - Fig. 1L805, threaded M (1/2" ISO 228/1) on sink side
 - Fig. 1L806, olive and nut (Ø10 O/N) connection on sink side
 WRAS compliant

Vir Code	DN mm - inches	Pcs./box	Wgt. [g]	Box [Kg]
Fig. 1L805				
F1L805015.3398	015 - 1/2"	1	102	0.1
Fig. 1L806				
F1L806015.3399	015 - 1/2"	1	102	0.1

PN10

WORKING CONDITIONS

- Suitable for: water, 0°C to +95°C



9TMDR-A5

THERMOSTATIC MIXING VALVE



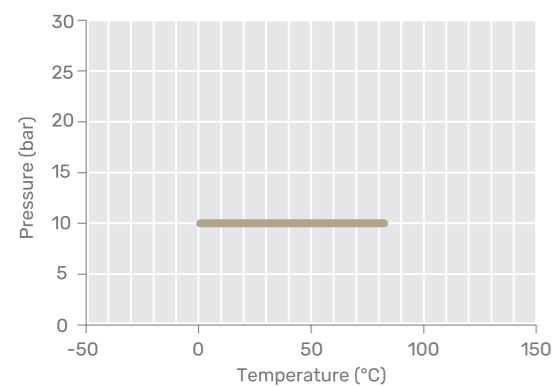
DZR Brass nickel-plated thermostatic mixing valve
With threaded union M/M/M ends (ISO 228/1)
Integral filter and check valves at the inlets
Adjustment cap with tamper-proof feature
Setting range: 38 to 46 °C
WRAS compliant

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F9TM00015.3579	015 - 1/2"	1	540	0,5
F9TM00020.3579	020 - 3/4"	1	630	0,6

PN10

WORKING CONDITIONS

- Suitable for: water, 0°C to +85°C



9WH

WATER HAMMER ARRESTOR



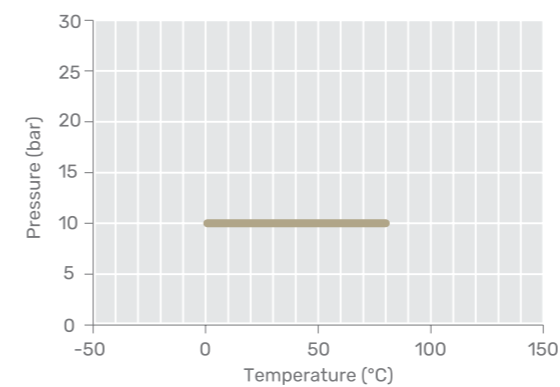
Copper water hammer arrestor
Threaded M (ISO 7/1 R)
Polyamide piston and FKM O-rings
Can be installed vertically, horizontally or at any angle
WRAS compliant

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)	PDI Size	Fixture Units
F9WH01015.3458	015 - 1/2"	1	126	0,1	AA	1-3
F9WH01020.3458	020 - 3/4"	1	181	0,2	B	12-32
F9WH01025.3458	025 - 1"	1	244	0,2	C	33-60

PN10

WORKING CONDITIONS

- Suitable for: water, 0°C to +82°C



782DR

DZR BRASS SPRING-LOADED DOUBLE CHECK VALVE



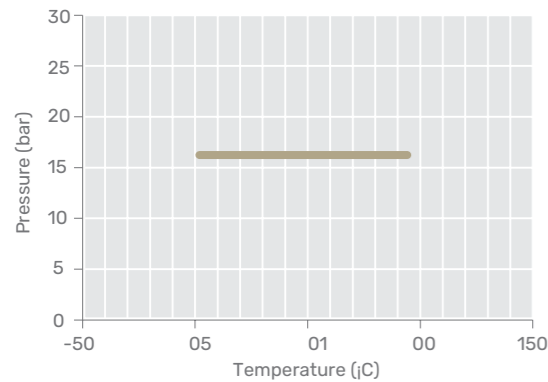
DZR Brass spring-loaded double check valve
Threaded F/F (ISO228/1)
POM check valves with NBR seal embedded in the body
To be installed horizontally or vertically
WRAS compliant

PN16

WORKING CONDITIONS

- Suitable for: water, 0°C to +95°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F78200015.3424	015 - 1/2"	1	137	0,1
F78200020.3424	020 - 3/4"	1	208	0,2
F78200025.3424	025 - 1"	1	344	0,3
F78200032.3424	032 - 1 1/4"	1	578	0,6
F78200040.3424	040 - 1 1/2"	1	743	0,7
F78200050.3424	050 - 2"	1	1377	1,4



THERMOMETER+GAUGE

THERMOMETER, PRESSURE GAUGE AND ACCESSORIES



Fig. TG-IVS

V-Type glass tube thermometer
Straight type in brass finishing, glass tube with alcohol filling
Metal body and brass probe
Body length 200mm x 63mm
Probe connection 1/2" BSP
Range 0 to 60 °C / 32 to 140 °F

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
KTGIVS200.3492	015 - 1/2"	1	286	0,3



Fig. PG-IVA

Stainless steel AISI 304 pressure gauge, glycerin filled
Glass window, accuracy at 20°C 1% FSD
Aluminum dial white background and black and red double scale (bar and psi)
Brass Burdon tube
Dial size 100mm
Bottom connection 1/2" BSPT made in brass
Range 0 to 20bar / 0 to 300psi

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
KPGIVA100.3491	015 - 1/2"	1	600	0,6



Fig. CN-ING

Brass ball valve for pressure gauges
Connections F/F 1/2" BSPT
Black lever handle in polyethylene
PN25 max 25bar up to 50°C, minimum -20°C

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
KCNING015.3494	015 - 1/2"	1	192	0,2



Fig. CN-INU

Black Steel Gauge U Syphon
Connections M/M 1/2" BSPT
Outer diameter Ø21x2,5mm
Supplied with brass fixing nut

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
KCNINU015.3493	015 - 1/2"	1	552	0,5

REGULATIONS and CONTROL INDEX

980S | 980T p.122 | 123
980F | 980FT - 980FL p.124 | 125
AM-980 | AM-980L p.126 | 127
325 | 32TT - 32TG p. 128 | 129
SLOOP II p.130



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- \square 9mm
Characteristic control curve according to VDI 2173
Blow-out proof stem
ACS and TR CU 010 compliant

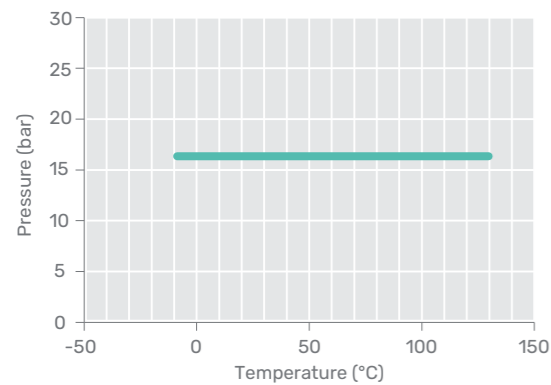
PN16
Shell rating: PN40
Max differential pressure 3,5bar

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



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- \square 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

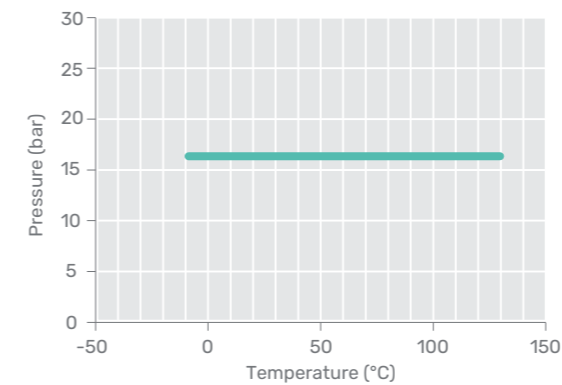
PN16
Shell rating: PN40
Max differential pressure 3,5bar

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

EAC



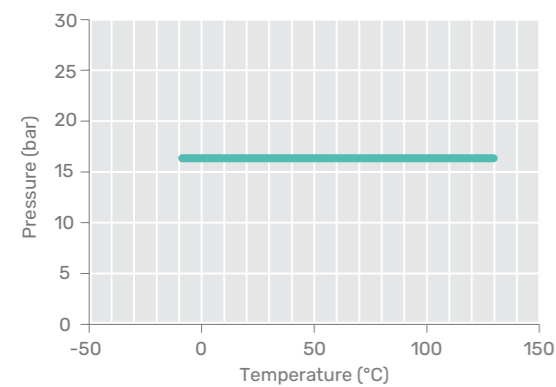
Threaded F/F (ISO 7/1 Rp)
DZR brass body, flange, ball and stem
Chromium plated ball, blow-out proof stem
PTFE seats, EPDM Perox O-rings
Actuator connection according to ISO 5211 F04-□9mm
ACS and TR CU 010 compliant

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

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)
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



980FT - 980FL

DZR BRASS 3-WAY ON/OFF VALVE

EAC



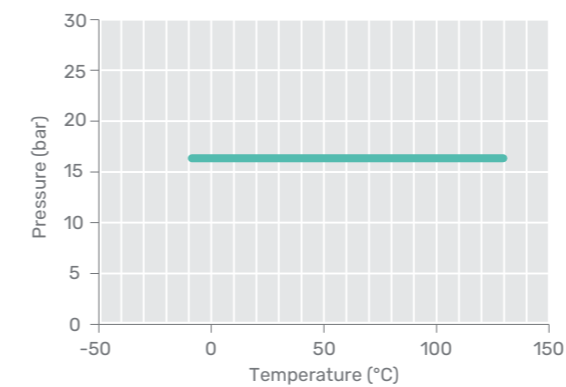
- Fig. 980FT 3-way with "T" ball, threaded F/F/F (ISO 7/1 Rp)
- Fig. 980FL 3-way with "L" ball, threaded F/F/F (ISO 7/1 Rp)
- DZR brass body, flange, ball and stem
Chromium plated ball, blow-out proof stem
PTFE seats, EPDM Perox O-rings
Actuator connection according to ISO 5211 F04-□9mm
ACS and TR CU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

AM-980L

ELECTRIC ACTUATOR



Supply voltage: 24V AC/DC or 230VAC
ISO 5211 F04 - \varnothing 9mm fast connection
Enclosure protection: da IP44 a IP54
Travel time for 90°: 5" to 30"
2 points, 3 points or 0-10V control versions
Integrated manual override

Vir Code	DN mm - inches	Pcs./box	Wgt. [g]	Box [Kg]
230VAC version, travel 30°, 2 points control				
KAM980L00.800	015 - 050	1	505	0,5
230VAC version, travel 30°, 2 points control, 1 auxiliary switch				
KAM980L01.800	015 - 050	1	505	0,5
24VAC version, travel 30°, 2 points control				
KAM980L02.800	015 - 050	1	505	0,5
24VAC version, travel 30°, 2 points control, 1 auxiliary switch				
KAM980L03.800	015 - 050	1	505	0,5
24VDC version, travel 30°, 2/3 points control, 1 auxiliary switch				
KAM980L04.800	015 - 050	1	505	0,5
24V AC/DC version, 0-10V control, 1 auxiliary switch				
KAM980L05.800	015 - 050	1	505	0,5

325

2-WAY BRASS VALVE WITH FLANGE FOR ACUATOR

EAC



F/M Version
(DN15/32)

F/F Version
(DN40/50)

Two way brass ball valve with connection for actuator
Threaded F/M with union (ISO 228/1) up to DN32 included
Threaded F/F (ISO 228/1) for DN40 and DN50
Air testing according to EN12266-1
Chromium plated brass ball, PTFE seats
Blow-out proof brass stem, EPDM Perox O-rings
Actuator connection according to ISO 5211 F03-F05 - (□9mm up to DN32 included, □11mm for DN40 and DN50)
TR CU 010 compliant

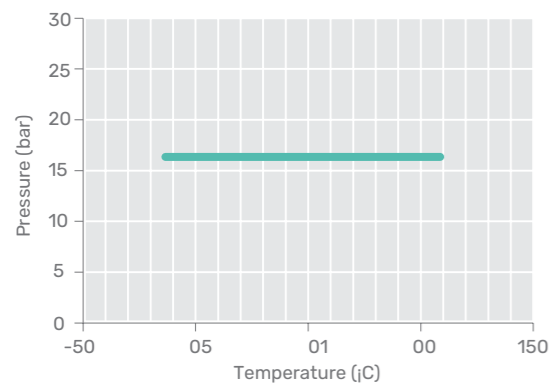
Vir Code	DN mm - inches	Pcs./box	Wgt. [g]	Box [Kg]
F325I0015.829	015 - 1/2"	18	384	6,9
F325I0020.829	020 - 3/4"	18	536	9,6
F325I0025.829	025 - 1"	8	804	6,4
F325I0032.829	032 - 1 1/4"	8	1202	9,6
F325I0040.828	040 - 1 1/2"	4	1297	5,2
F325I0050.828	050 - 2"	4	2098	8,4

Available F/F version (F325I0mis.3166) for DN15 - DN32

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

WORKING CONDITIONS

- Suitable for: water, -15°C to +110°C
below 0°C only for water with added antifreeze fluids
over 100°C only for water with added anti-boiling fluids
(Ethylene glycol and propylene glycol mix. >20% and ≤50% may be used)



32TT - 32TG

3-WAY BRASS VALVE WITH FLANGE FOR ACUATOR

EAC



Three way brass ball valve with connection for actuator
Threaded M/M/M for union ends (ISO228/1) up to DN≤32
Male threaded union ends kit according ISO 228/1 provided separately on request

Threaded F/F/F (ISO228/1) for DN40 and DN50

Available in the following versions:

- Fig. 32TT, diverting valve with one input and two outputs
- Fig. 32TG, mixing valve with two inputs and one output (also usable as distributing valve)

Air testing according to EN12266-1

Chromium plated brass ball, PTFE seats

Blow-out proof brass stem, EPDM Perox O-rings

Actuator connection according to ISO 5211 F03-F05 - (□9mm up to DN32 included, □11mm for DN40 and DN50)

TR CU 010 compliant

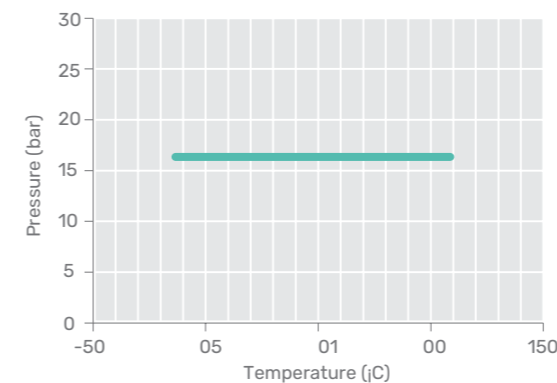
PN16

Shell rating: PN40

Max differential pressure 3,5bar

WORKING CONDITIONS

- Suitable for: water, -15°C to +110°C
below 0°C only for water with added antifreeze fluids
over 100°C only for water with added anti-boiling fluids
(Ethylene glycol and propylene glycol mix. >20% and ≤50% may be used)



Vir Code	DN mm - inches	Pcs./box	Wgt. [g]	Box [Kg]
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Fig. 32TT

F32TTI020.831	020 - 3/4"	8	570	4,6
F32TTI025.831	025 - 1"	8	862	6,9
F32TTI032.831	032 - 1 1/4"	8	1312	10,5
F32TTI040.911	040 - 1 1/2"	4	1834	7,3
F32TTI050.911	050 - 2"	4	3099	12,4

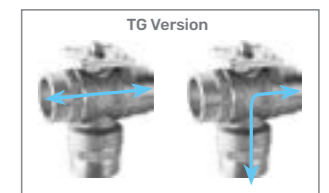
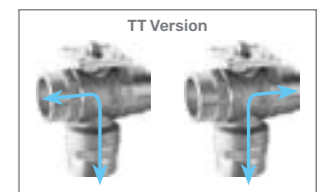
Fig. 32TG

F32TGI020.831	020 - 3/4"	8	550	4,4
F32TGI025.831	025 - 1"	8	819	6,6
F32TGI032.831	032 - 1 1/4"	8	1236	9,9
F32TGI040.911	040 - 1 1/2"	4	1758	7,0
F32TGI050.911	050 - 2"	4	2892	11,6

Kit of unions and nuts (provided separately)

KBC34B020.2897*	020 - 3/4"	1	324	0,3
KBC34B025.2897	025 - 1"	1	549	0,5
KBC34B032.2897	032 - 1 1/4"	1	705	0,7

* version available with reduced 1/2" union, threaded M ISO 7/1 R (KBC91V015.3400)



SLOOP II

ELECTRIC ACTUATOR 15Nm



Supply voltage: 230 VAC or 24 VAC
 F05 flange, \varnothing 9mm or \varnothing 11mm stem connections
 Enclosure protection: IP65
 Travel time for 90°: 60"
 2 or 3 points control
 With aux. open switch or open/close switches connected to supply
 Manual override

Vir Code	DN mm - inches	Pcs./box	Wgt. [g]	Box [Kg]
230VAC version, 2 points control, 1 auxiliary switch				
KASLOOP24.800	up to DN050	5	800	4,0
230VAC version, 2 points control, open/close switches connected to supply				
KASLOOP32.800	up to DN050	5	610	3,1
230VAC version, 3 points control, 1 auxiliary switch				
KASLOOP28.800	un to DN050	5	800	4,0
KASLOOP35.800 (variant of KASLOOP24.800) 10" and 6Nm (up to DN32) alternative				
24VAC version, 2 points control, 1 auxiliary switch				
KASLOOP22.800	up to DN050	5	800	4,0
24VAC version, 2 points control, open/close switches connected to supply				
KASLOOP33.800	up to DN050	5	610	3,1
24VAC version, 3 points control, 1 auxiliary switch				
KASLOOP25.800	up to DN050	5	800	4,0
230VAC version, 2 points control, 1 auxiliary switch + thermal break on stem				
KASLOOP34.800	up to DN050	5	800	4,0

Suitable for 325, 32TT and 32TG valves

FLEXIBLE JOINTS and AIR VENTS INDEX

9390 - 9393 | 9380 ————— p.134 | 135

KGTT | KGTF ————— p.136 | 137

KGTF-HD ————— p.138



9390 - 9393

BRASS AUTOMATIC AIR VENT



Fig. 9390



Fig. 9393

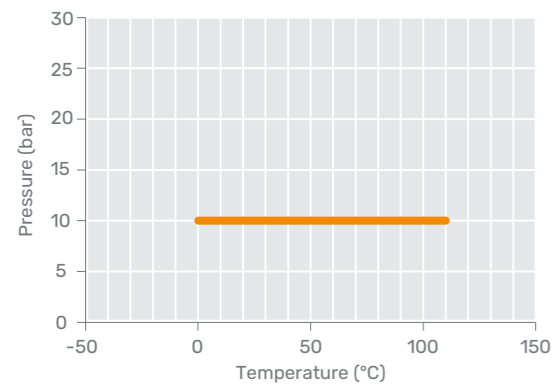
Brass automatic air vent
Threaded M (ISO 228/1)
Available in the following versions:
- Fig. 9390, automatic air vent
- Fig. 9393, automatic air vent with check valve
With plastic internal parts
EPDM body O-ring, polyamide vent plug
TR CU 010 compliant (9390 only)
WRAS compliant (9393 only)

Vir Code	DN mm - inches	Pcs./box	Wgt. [g]	Box [Kg]
9390 - Automatic air vent version				
F93900010.1776	010 - 3/8"	1	150	0,2
F93900015.1776	015 - 1/2"	1	154	0,2
9393 - Automatic air vent with check valve version				
F93930015.2674	015 - 1/2"	1	213	0,3

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



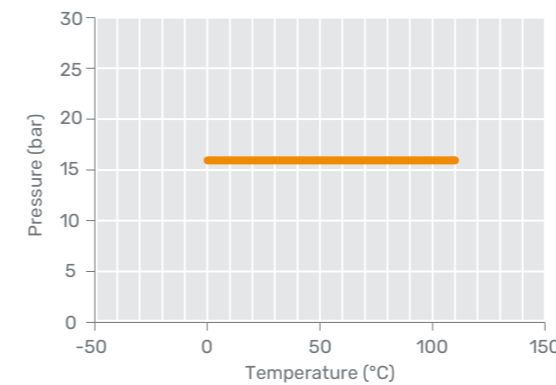
Cast iron automatic air vent
Threaded F (ISO 7/1 Rp)
Epoxy coating
Stainless steel internal parts, EPDM gasket, brass vent

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)
F93801015.2833	015 - 1/2"	1	3500	3,5
F93801020.2833	020 - 3/4"	1	3500	3,5
F93801025.2833	025 - 1"	1	3500	3,5
F93801032.2833	032 - 1 1/4"	1	4000	4,0
F93801040.2833	040 - 1 1/2"	1	4000	4,0
F93801050.2833	050 - 2"	1	4000	4,0



KGTT

DOUBLE SPHERE THREADED RUBBER FLEXIBLE JOINT

EAC



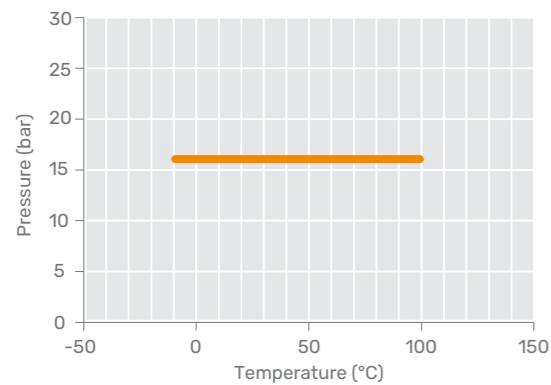
Double sphere threaded rubber flexible joint
Threaded F/F union ends (ISO 228/1)
Polyamide wired reinforced body
Metallic parts in zinc plated cast iron
Zinc plated cast iron connections
TR CU 010 compliant

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



KGTF

SINGLE SPHERE FLANGED RUBBER FLEXIBLE JOINT

EAC



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

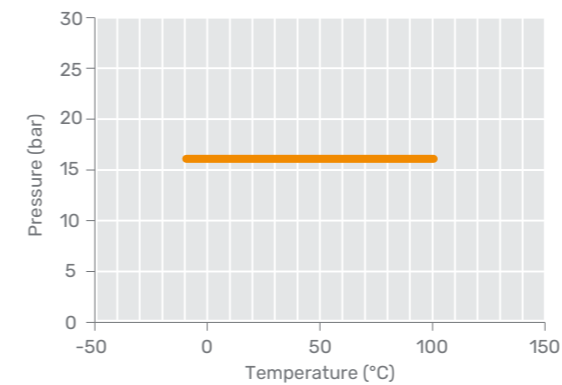
- Suitable for: water, -10°C to +100°C
below 0°C only for water with added antifreeze fluids

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

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

EAC



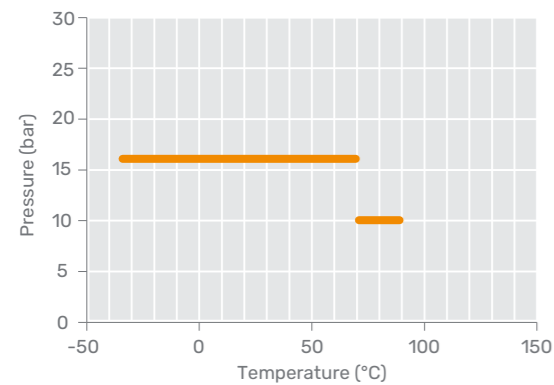
Single sphere flanged rubber flexible joint
Steel flanges according EN1092-1
Polyamide wired reinforced body
Tolerance on length: $\pm 1\%$ (ISO 1307 Standard)
TR CU 010 compliant

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 INDEX

340G | 390G ————— p.142 | 143

4321 ————— p.144



340G

FULL BORE BRASS BALL VALVE FOR GAS



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

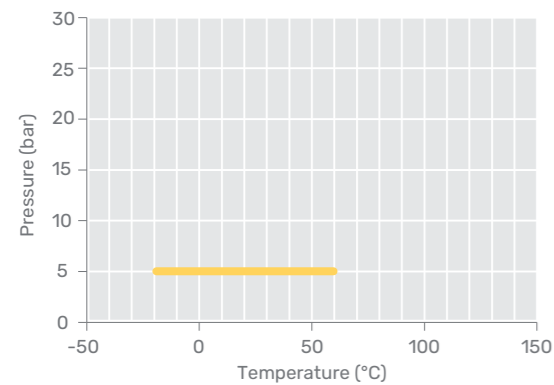
Shell rating: PN25

WORKING CONDITIONS

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

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"	12	1174	18,8
F340GQ050.793	050 - 2"	8	1589	12,7

Butterfly handle option available
Code F340GFmis.874 (up to DN32), F340GFmis.871 (above)



390G

DUCTILE IRON BALL VALVE FOR GAS



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

PN16

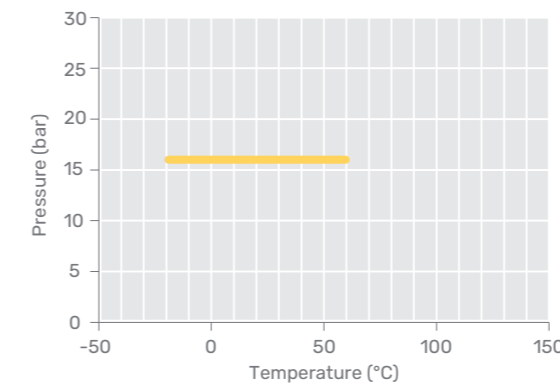
WORKING CONDITIONS

- 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

Optional stem extension

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
KPR390040.266	040 - 050	1	500	0,5
KPR390065.266	065 - 100	1	550	0,6
KPR390125.266	125 - 150	1	600	0,6



DUCTILE IRON LUG BUTTERFLY VALVE FOR GAS

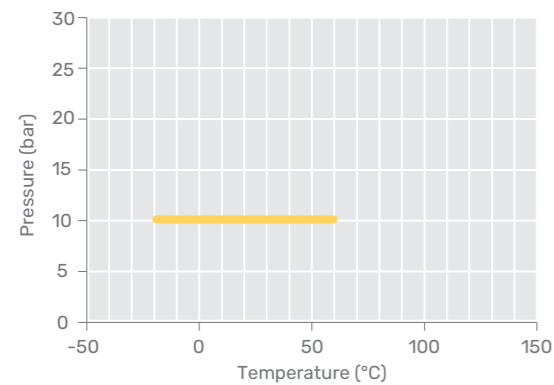


Ductile iron Lug butterfly valve for gas
 Flanged PN16 according to EN1092-2 (ex DIN2533)
 Lengths according to EN558-1 series 20 (ex DIN3202 K1)
 Design according to EN593 + A1
 Testing according to EN12266-1 (leakage rate A)
 Epoxy coating
 TR CU 010 compliant

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 INDEX

220 | 210 ————— p.148 | 149

500 | 500IM - 500IS ————— p.150 | 151



220

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 DN532)
TR CU 010 compliant

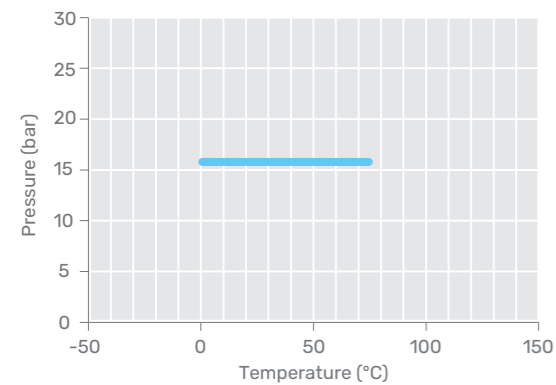
PN16

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



210

POLYPROPYLENE BALL BIB COCK

EAC



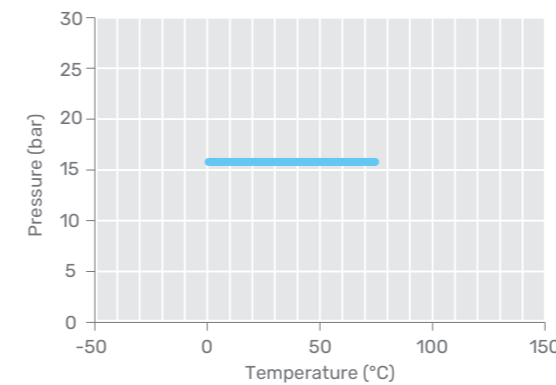
Polypropylene ball bib cock
Threaded M (ISO 228/1) + hose union
One piece body
Brass internal parts and hose union
(plastic hose union available as option)
Chromium plated brass ball, PTFE seats
Blow-out proof brass stem, NBR stem O-rings
With handle or butterfly
TR CU 010 compliant

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



500

POLYPROPYLENE RANDOM BALL VALVE

EAC



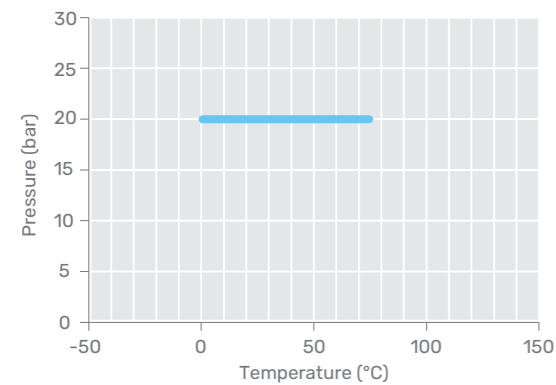
Polypropylene random (PP-R80) ball valve
Soldering ends (DIN 16962)
One piece body
Chromium plated brass ball, PTFE seats
Blow-out proof brass stem, NBR stem O-rings
(ball and stem in stainless steel on request)
With handle or butterfly (up to DN≤32)
TR CU 010 compliant

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



500IM - 500IS

POLYPROPYLENE RANDOM UNDER PLASTER BALL VALVE

EAC



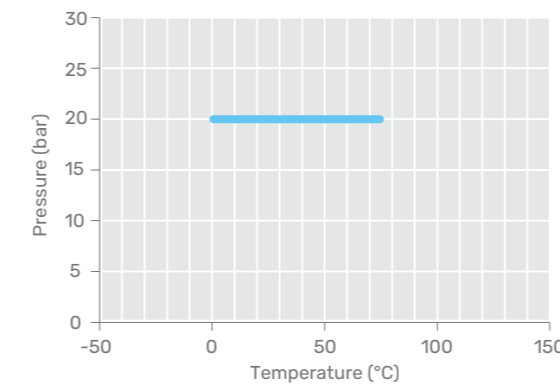
Polypropylene random (PP-R80) under plaster ball valve
Soldering ends (DIN 16962)
One piece body
Chromium plated brass ball, PTFE seats
Blow-out proof brass stem, NBR stem O-rings
(ball and stem in stainless steel on request)
Available in the following versions:
- Fig. 500IM, with triangular brass handle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

PN20

WORKING CONDITIONS

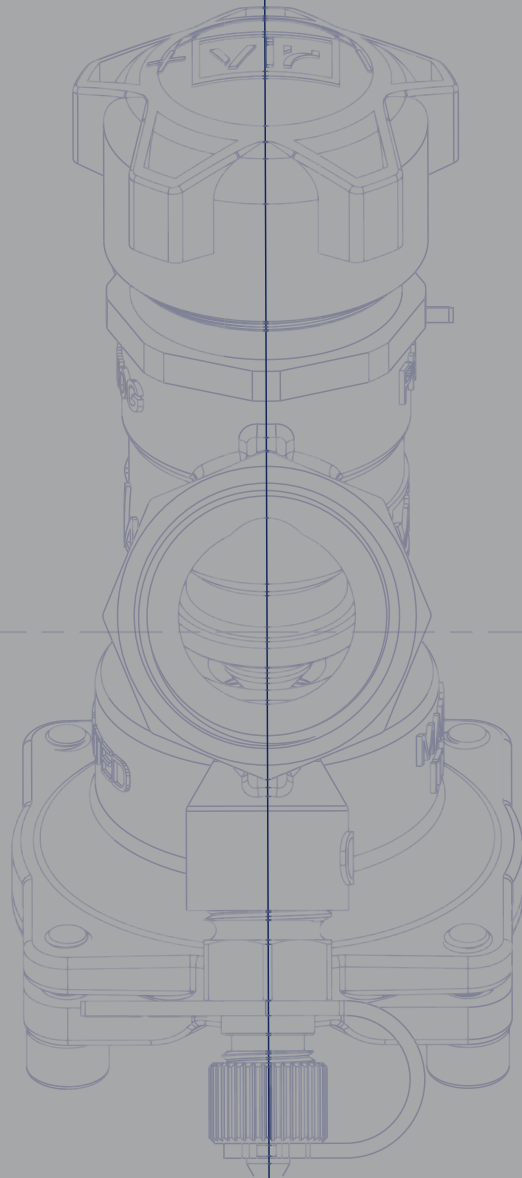
- Suitable for: water, 0°C to +75°C

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 with 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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