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01/HVAC

Premium functionality

HVAC

Room Thermostat

H 7711



Room Modulating Thermostat with Digital Display

- Supply voltage: 24V/50Hz
- Temperature Range: 5°C - 35°C
- Easy Temperature adjustments with up - down arrows
- Auto fan with adjustable 3 fan speed
- 0-10v/4-20mA modulating valve control
- Dimension; 86 x 86 x 23 mm

Order number	Supply voltage
H 7711	24 V

H 7712



HERZ Room Thermostat with Large Digital Display

- Supply voltage : 230V/50 Hz
- Temperature Range : 5°C - 35°C
- Easy Temperature adjustments with up - down arrows
- Auto fan with adjustable 3 fan speed
- 7 days programmable with timer function
- Dimension : 90 x 90 x 15 mm

Order number	Supply voltage
H 7712	230 V

H 7713



HERZ Economic Digital Room Thermostat

- Supply voltage : 230V/50 Hz
- Temperature Range : 5°C - 35°C
- Easy Temperature adjustments
- Auto fan with adjustable 3 fan speed
- Dimension 86 x 86 x 13 mm

Order number	Supply voltage
H 7713	230 V

H 7720



Fan Coil Thermostat

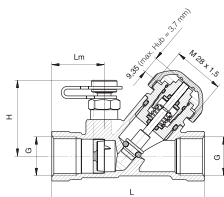
- Electrical Rating: 220V, 50/60Hz
- Fan 3-speed, on/off valve
- Standard, Modbus, WIFI model optional
- Embeded mounted

Order number	Supply voltage
H 7720	220 V



FODRV Control Valve

7217 V



Technical data:

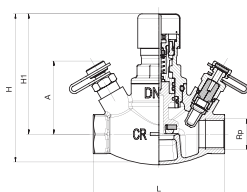
- Max. operating temperature: 130 °C
- Max. operating pressure: 20 bar
- Max. differential pressure on the seat: 10 bar

Material: DZR

STRÖMAX	Order number	DN	L	Lm	Rp	H	SW	Kv	Kvs Fixed Orifice
TS-V LF	1 7217 50	15	83	28,5	1/2	41	27	0,07 - 0,45	0,48
TS-V MF	1 7217 59	15	83	28,5	1/2	41	27	0,32 - 0,88	0,97
TS-V	1 7217 51	15	83	28,5	1/2	41	27	0,51 - 1,70	1,95
TS-V	1 7217 52	20	91	31	3/4	41	32	0,33 - 3,40	3,95

FODRV Control Valve

7217 GV



Technical data:

- Max. operating pressure: 16 bar
- Max. diff. pressure on the body: 4 bar
- Max. diff. pressure on the seat: 4 bar
- Min. operating temp.: 2 °C (pure water)

Materials:

- Body: DZR (CC752S)
- Bonnet: DZR (CW602)
- Sealings and O-rings EPDM

Order number	DN	Rp	L	H	H1	H + actuator	A	Kvs	M
1 7217 71	15	1/2	90	101	82	162	50	5	M 28 x 1.5
1 7217 72	20	3/4	97	101	82	162	50	5.6	M 28 x 1.5
1 7217 73	25	1	110	114	88	168	50	7.78	M 28 x 1.5

Control Valve with reverse function

7760 RD



Technical data:

- Body: Brass nickel plated
- Spindle: Stainless steel
- Sealings: EPDM
- Connections: Outside threads with cone to connect with compression units
- Actuating Thread M28 x 1,5
- Max. operating temperature: 120°C
- Min. operating temperature: -20°C
- Max. operating pressure: 16 bar

Order number	DN	Dim.	Kvs
1 7760 51	15	G 3/4	2.81
1 7760 52	20	G 1	3.21

Adapter

7708



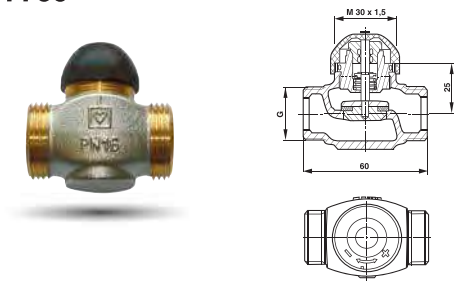
Order number	Dim.
1 7708 86	M30 x 1.5

Adapter for HERZ Actuator, light gray for use with thermostatic valves M 30 x 1.5.

HVAC

Thermostatic Valve

7760



Order number	DN	G	Kvs	Stroke [mm]
1 7760 21	10	1/2	0.16	4
1 7760 01	10	1/2	0.4	4
1 7760 02	10	1/2	0.6	4
1 7760 03	10	1/2	1.0	4
1 7760 04	10	1/2	1.6	4
1 7760 05	15	3/4	2.5	4
1 7760 07	15	3/4	3.5	4
1 7760 08	20	1	4.5	4

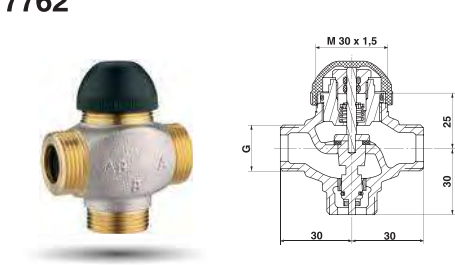
Technical data:

- Max. operating temperature: 120°C
- Min. operating temperature: -20°C
- Max. operating pressure: 16 bar

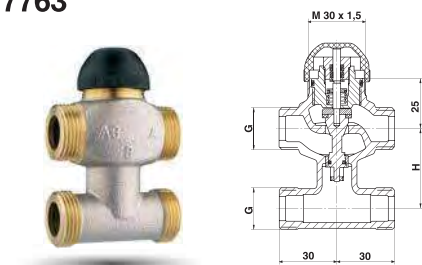
Material: DZR

Thermostatic Three-Port Valves

7762



7763



Technical data:

- Max. operating temperature: 120°C
- Min. operating temperature: -20°C
- Max. operating pressure: 16 bar

Material: DZR CWC14N

Order number	DN	G	Kvs-value straight flow	Kvs-value bypass flow	Stroke [mm]	H
1 7762 50	10	1/2	0.4	0.3	3.7	40
1 7762 60	10	1/2	0.6	0.5	3.7	40
1 7762 70	10	1/2	1.0	0.8	3.7	40
1 7762 80	10	1/2	1.6	1.2	3.7	40
1 7762 51	15	3/4	2.5	1.9	3.7	40
1 7762 61	15	3/4	4.0	3.0	3.7	40
1 7762 62	20	1	5.0	3.8	3.7	40

CALIS-TS-RD Three-Port Valve for thermostatic operation

7761 RD



Technical data:

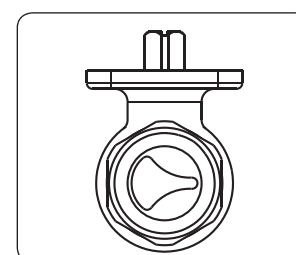
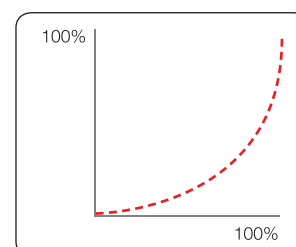
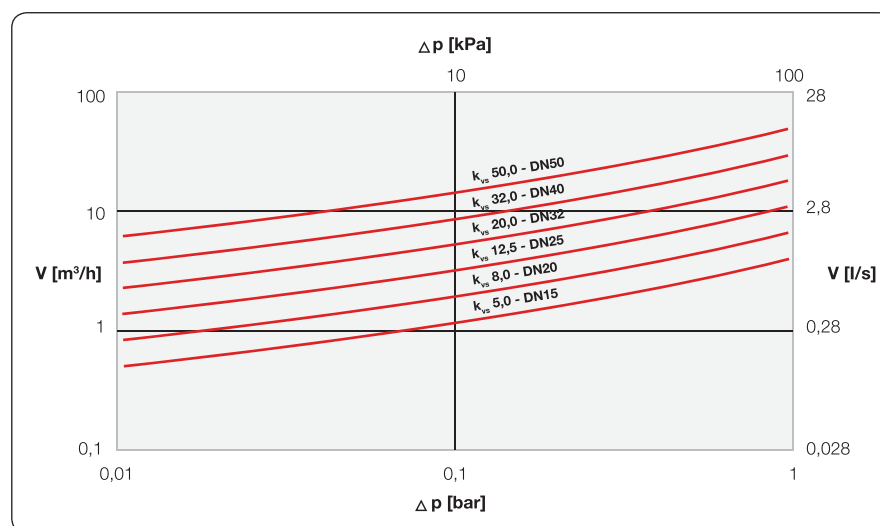
- Valve body: brass (CC754S-GM)
- Spindle: stainless steel
- Seals: EPDM
- Upper part: cover blue plastic cap
- Thermostat threaded connection: M 28 x 1,5
- Max. operating temperature: 120 °C
- Min. operating temperature: 2 °C
- Max. operating pressure: DN 15, 20 10 bar
- Max. operating pressure: DN 25, 32 16 bar
- Max. pressure drop for thermostatic operation: 0.2 bar

Order number	DN	R	Kvs
1 7761 38	15	3/4	3.00
1 7761 39	20	1	3.00
1 7761 40	25	1 1/4	6.27
1 7761 41	32	1 1/2	6.44



Flow diagram-2117

Flow Diagram



Description

The HERZ-control valve is characterized with high reliability and precision. The spindle of the ball valve is connected to the axle of the drive automatically. The ball is made of forged brass. This is realized by means of a profiled orifice in the ball. The seat seal is provided by a teflon collar sleeve insert. EPDM O-Rings are inserted behind these two collar sleeve insert. EPDM O-Rings are inserted behind these two sleeves. These O-Rings allow the ball and both collars a small axial movement, which realizes a high density and low torques. The spindle is sealed by two O-Rings. O-Rings can not be replaced.

Properties

HERZ two-port ball valve with internal thread for precise control, without leakage. Control ball valve for continuous control of cold water, hot water or air in closed circuits.

Ball with equal percentage characteristic
Spindle with large sliding surface and teflon sealing ring
Highest ratio 500:1
Low torque due to the collar sealed with O-Ring

Material

- Body forged brass (CW602N) acc. to EN 12165
- End connections forged brass (CW602N) acc. to EN 12420
- Ball pressed brass (CW602N), V-shape bore, machined to a microsmooth finish, chrome plated EN 12165
- Ball seat Teflon (PTFE) with O-Ring (EPDM)
- Spindle brass (CW614N)
- Spindle sealing O-Ring double (EPDM)
- Spindle seat Teflon (PTFE)
- Connections Female threads acc. to ISO 7-1

Operating data:

- Maximum operating pressure PN 40 from DN15 to DN25, PN25 from DN32 to DN50
- Operating temperature - 10 °C to 110 °C
- Medium cold and hot water, water with max. 50% volume of glycol
- Angle of rotation (Spindle) 90° Torque (at nominal voltage): < 8 Nm

Control Ball Valve with handle

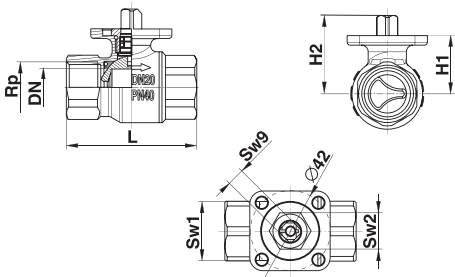
2117



Order number	DN	PN	Rp	L	H1	H2	SW1	SW2	Kvs	
1 2117 01	15	40	1/2"	60	27,5	38	25	19	5	0.252
1 2117 02	20	40	3/4"	68	30,5	41	31	19	8	0.364
1 2117 03	25	40	1"	81	38	48,5	41	20	12.5	0.671
1 2117 04	32	25	1-1/4"	95	41,5	52	51	20	20	1.024
1 2117 05	40	25	1-1/2"	106	47	57,5	55	20	32	1.496
1 2117 06	50	25	2"	127	54,8	65,3	70	20	50	2.652

Technical data:

- Max. operating pressure: PN 40 from DN15 to DN25, PN25 from DN32 to DN50
- Operatring temperature: - 10 °C to 110 °C
- Medium: cold and hot water, water with max. 50% volume of glycol
- Angle of rotation (Spindle): 90°Torque (at nominal voltage): < 8 Nm



HERZ-Rotary Actuator for 2-Port Control Ball Valves

7712



Order number	Type	Torque	Nominal voltage	Control
1 7712 33	Actuator for 2-Port Control Ball Valve	8 Nm	230 V / AC	2 / 3-Point
1 7712 35	Actuator for 2-Port Control Mixing Valve	8 Nm	24 V / AC / DC	Modulating
1 7712 60	Actuator for 2 -Port Control Ball Valve	10 Nm	230 V / AC	Open / Close
1 7712 62	Actuator for 2-Port Control Ball Valve	10 Nm	24 V / AC	Modulating

Technical data:

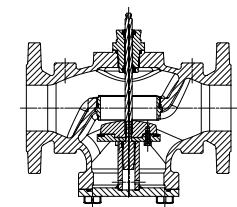
- Synchronous motor with control and shutoff electronics
- Protection class: IP 54

Two-Port Flanged Valve

F 4035



Order number PN16	DN	Stroke [mm]	Kvs	D	L	z	d	d _k	h1	H	
F 4035 16	50	20	40	165	230	4	19	125	90	305	12.5
F 4035 07	65	20	63	185	290	4	19	145	135	315	20
F 4035 08	80	20	100	200	310	8	19	160	150	350	26
F 4035 09	100	40	160	220	350	8	19	180	160	480	38
F 4035 10	125	40	250	250	400	8	19	210	185	520	64
F 4035 41	150	40	330	285	480	8	23	240	180	525	77



Technical data:

Body material: **PN 16:** EN-GJL-250 (EN 1561), flange according to EN1092-2
 PN 25: EN-GJS-400-18-LT (EN 1563), flange according to EN1092-2
Temperature range: 5°C to 140°C



Three-Port Mixing Valve with handle

2137



Technical data:

- Body: forged brass (CW602N)
- according to EN 12420
- Ball: brass
- Sealing: EPDM (Gasket)
- Nominal pressure: 10 bar
- Operational temperature: -10 °C - 110 °C
- Short time op. temperature: 130 °C

Order number	DN	PN	Sw	G	Kvs	
1 2137 01	15	10	27	1/2"	4	0.403
1 2137 02	20	10	31	3/4"	6.3	0.447
1 2137 03	25	10	39	1"	10	0.790
1 2137 04	32	10	49	1-1/4"	16	1.041
1 2137 05	40	10	59	1-1/2"	25	1.712
1 2137 06	50	10	72	2"	40	2.585

Three-Port Mixing Valve with 3-Point Actuator (1 **7712** 25, 27)

2137



Order number	DN
1 2137 11	15
1 2137 12	20
1 2137 13	25
1 2137 14	32
1 2137 15	40
1 2137 16	50

7712



Order number	Type	Torque	Nominal voltage	Control
1 7712 25	Actuator for 2/3-Port	10 Nm	230 V / AC	2/3-Point
1 7712 27	Actuator for 2/3-Port	10 Nm	24 V / AC / DC	2/3-Point / Modulating
1 7712 63	Actuator for 3-Point Control Mixing Valve	5 Nm	230 V / AC	3-Point

Four-Port Mixing Valve with handle (1 **2100** 95)

2138



Technical data:

- Female end connections
- Body and cone dezincification Brass
- EPDM gasket
- Medium temperature -10 °C – 120 °C

Order number	DN	Sw	G	Kvs	PN	
1 2138 01	15	27	1/2"	4	10	0.442
1 2138 02	20	31	3/4"	6,3	10	0.472
1 2138 03	25	39	1"	10	10	0.872
1 2138 04	32	49	1-1/4"	16	10	1.122

Four-Port Mixing Valve with 3-Point Actuator (1 **7712** 25, 27)

2138



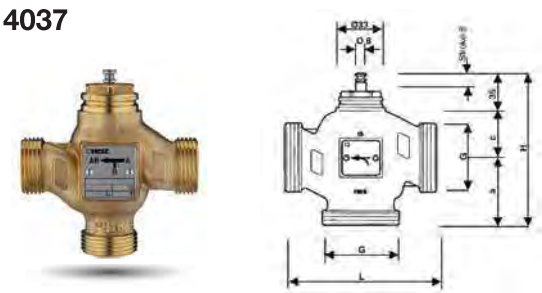
HERZ rotary drive for HERZ mixer 2137

- Supply voltage 230 V AC
- Control: 2-point or 3-point, disengageable gearbox for positioning of the mixing valve and for manual adjustment, synchronous motor with control and shutoff electronics
- Torque 10 Nm, operating time 120 s
- Protection class IP 54
- Suitable for all installation orientations

Order number	DN
1 2138 21	15
1 2138 22	20
1 2138 23	25
1 2138 24	32

Three-Port Mixing and Diverting Valve

4037



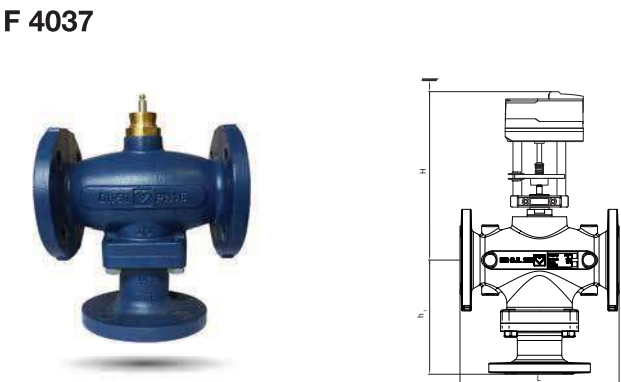
Technical data:

- Max. operating temperature: 15 - 130 °C
- Max. operating pressure: 16 bar / 130 °C till DN 32
- Max. operating pressure: 16 bar /110 °C for DN 40 & DN 50
- When the temperature < 0 °C we recommend to use the gland sealing heater, when the temperature > 100 °C - use the temperature adapter
- Valve characteristic: linear
- Leakage rate norm branch < 0,02 % from the Kv-value

Order number	Dim.	G	a	c	L	H	dp max.	Kvs
1 4037 15	1/2	G3/4B	50	32	100	117	4 bar	4
1 4037 20	3/4	G1 B	50	33	100	118	3 bar	6.3
1 4037 25	1	G1 1/2B	55	36	110	126	2 bar	10
1 4037 32	1 1/4	G2B	60	38	120	133	1,5 bar	16
1 4037 40	1 1/2	G2 1/4B	70	48	130	153	1 bar	25
1 4037 50	2	G2 3/4B	75	54	150	164	0,8 bar	40

Three-Port Flanged Valve

F 4037



Technical data:

- Min. operating temperature: 5 °C
- Max. operating temperature: 140 °C
- Valve curve characteristic: equal percentage
- Sealing material: FPM (ISO1629)
- Valve seat material: WN1.4021
- Valve cone material: up to DN 50 WN1.4021
- from DN 65 to DN 150 GG 25/WN1.4021
- Stem material: WN1.4057

Body materials:

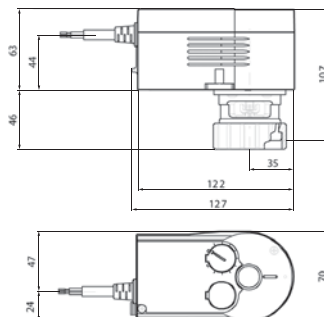
- **PN 16:** EN-GJL-250 (EN 1561), flange according to EN1092-2
- **PN 25:** EN-GJS-400-18-LT (EN 1563), flange according to EN1092-2

Order number PN16	DN	Stroke [mm]	Kvs	D	L	z	d	dk	h1	H	Icon
F 4037 01	15	10	1	95	130	4	14	65	110	250	5
F 4037 11	15	10	1.6	95	130	4	14	65	110	250	5
F 4037 21	15	10	2.5	95	130	4	14	65	110	250	5
F 4037 31	15	14	4	95	130	4	14	65	110	250	5
F 4037 03	25	20	6.3	115	160	4	14	85	121	255	8
F 4037 13	25	20	10	115	160	4	14	85	121	255	8
F 4037 04	32	20	16	140	180	4	19	100	142	305	11,5
F 4037 05	40	20	25	150	200	4	19	110	149	315	13
F 4037 16	50	20	40	165	230	4	19	125	167	305	16
F 4037 07	65	20	63	185	290	4	19	145	208	315	25
F 4037 08	80	20	100	200	310	8	19	160	233	350	31
F 4037 09	100	40	160	220	350	8	19	180	262	480	46
F 4037 10	125	40	250	250	400	8	19	210	268	520	72
F 4037 41	150	40	330	285	480	8	23	240	261	525	91



Valve Drives for Three-Port Valve,14037 Actuating Power 500N

7712



Technical data 1 7712 11:

- Operation time: 60 / 120 s
- Stroke: 8 mm
- Pushing force: 500 N
- Weight: 0,7 kg
- Max. operating temperature: 100 °C on valve body
- Ambient temperature: -10 to 55 °C
- Ambient humidity: 5 to 95% r.F.
- Electrical protection: IP 54 (EN 60529)
- Control signal: 0 to 10 V, Rj >100 kOhm
- Positional feedback signal: 0 to 10 V, load > 10 kOhm
- Starting point U0: 0 to 10 V
- Power consumption: 60 s
- Operating: 7 VA
- Response time: 200 ms

Order number	Type	Nominal voltage	
1 7712 11	Actuation of three-way valves	24V	For controllers with continuous output (0-10 V) or switching output (2-point or 3-point control)
1 7712 50	Actuation of three-way valves	230V	For controllers with a switching output (2/3-point control).
1 7712 51	Actuation of three-way valves	24V	For controllers with a switching output (2/3-point control)

Technical data 1 7712 50/51:

- Operation time 120 s
- Stroke 8 mm
- Pushing force 500 N
- Weight 0,7 kg
- Max. operating temperature 100 °C on valve body
- Ambient temperature -10 to 55 °C
- Ambient humidity 5 to 95% r.F.
- Electrical protection IP 54 (EN 60529)
- Power consumption: 120 s
- Operating: 1.5 VA
- Response time 100 ms

Handwheel for Three-Port Mixing and Diverting Valves

9102



Order number
1 9102 40

HERZ-Hand Wheel for HERZ-Three-Port Mixing and Diverting Valve 4037, not supplied with valve drive.

Adjusting Key

4006



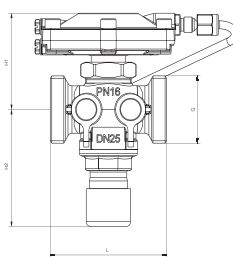
Order number
1 4006 02

for HERZ-Flow controller 4001
for HERZ-Differential pressure controller 4002
for HERZ-Combi Valve 4006 / 4206

Pressure Independent Control Valve [PICV]

4006

4206



Technical data:

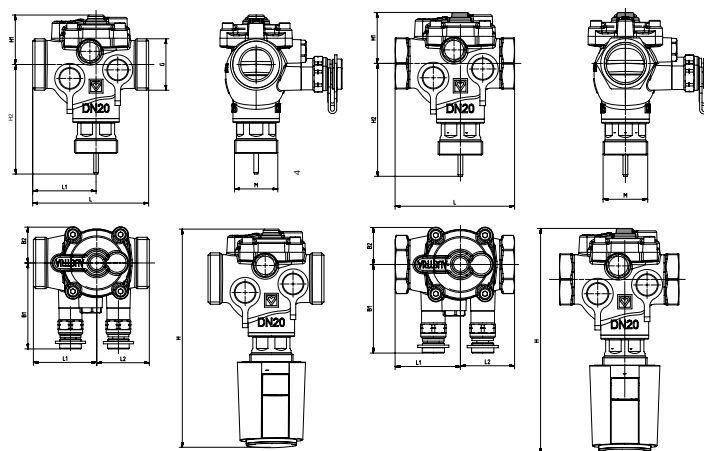
- Min. operating temp.: - 20 °C (frost protection)
- Max. operating temp.: up to 130 °C
- Max. operating pressure: 25 bar
- Lift: 4 mm

Order number Thread (Ext.)	Order number Thread (Int.)	DN	I/h	L	H1	H2	H2 + Actuator	B1	B2	L1	L2	M	Test points
1 4006 11	1 4206 11	15	40-430	66	59	73	134	49	63	48	81	28 x 1.5	yes
1 4006 12	1 4206 12	20	80-900	76	60	73	134	51	68.5	48	85	28 x 1.5	yes
1 4006 13	1 4206 13	25	100-1900	76	60	73	134	51	68.5	48	85	28 x 1.5	yes
1 4006 14	1 4206 14	32	200-2500	114	76	86	145	76	47	57	89	28 x 1.5	yes
1 4006 15	1 4206 15	40	400-5000	132	86	95	156	75	47	70	81	28 x 1.5	yes
1 4006 16	1 4206 16	50	500-5000	140	86	95	156	75	47	70	81	28 x 1.5	yes
1 4006 41	1 4206 41	15	40-400	66	59	73	134	49	63	48	81	28 x 1.5	no
1 4006 42	1 4206 42	20	80-900	76	60	73	134	51	68.5	48	85	28 x 1.5	no
1 4006 43	1 4206 43	25	100-1900	76	60	73	134	51	68.5	48	85	28 x 1.5	no
1 4006 44	1 4206 44	32	200-2500	114	76	86	145	76	47	57	89	28 x 1.5	no
1 4006 45	1 4206 45	40	400-5200	132	86	95	156	75	47	70	81	28 x 1.5	no
1 4006 46	1 4206 46	50	500-5300	140	86	95	156	75	47	70	81	28 x 1.5	no

SMART Pressure Independent Control Valve [PICV]

4006 SMART

4206 SMART



Technical data:

- Min. operating temp.: - 20 °C (frost protection)
- Max. operating temp.: up to 130 °C
- Max. operating pressure: 25 bar
- Lift: 4 mm

Order number Thread (Ext.)	Order number Thread (Int.)	DN	I/h	L1	L2	B1	B2	H1	H2	H + Actuator	Test points
1 4006 30	1 4206 20	15LF	7-120	41	34	50	23	35	69	158.8	Yes
1 4006 39	1 4206 29	15MF	11-190	41	34	50	23	35	69	158.8	Yes
1 4006 51	1 4206 01	15SF	72-800	41	34	54.6	23.3	32	70.9	157.7	Yes
1 4006 91	1 4206 91	15SF	72-800	41	34	30.6	23.3	32	70.9	157.7	No
1 4006 71	1 4206 71	15HF	80-1200	41	34	54.6	23.3	32	70.9	157.7	Yes
1 4006 81	1 4206 81	15HF	80-1200	41	34	30.6	23.3	32	70.9	157.7	No
1 4006 52	1 4206 02	20SF	80-1200	41	34	55.6	23.2	32	70.9	157.7	Yes
1 4006 92	1 4206 92	20SF	80-1200	41	34	31.6	23.2	32	70.9	157.7	No
1 4006 72	1 4206 72	20HF	108-2000	41	34	55.6	23.2	32	70.9	157.7	Yes
1 4006 82	1 4206 82	20HF	108-2000	41	34	31.6	23.2	32	70.9	157.7	No



Actuating Drives for 2-point control

7708



Order number	Type	Supply voltage	Dim.	Stroke [mm]	Adapter	Cable	End switch	Actuating force	Power consumption
1 7708 52	NC	24V	M28 x 1.5	5	M28 x 1.5 (red)	fix	no	100 N	1 W
1 7708 53	NC	230V	M28 x 1.5	5	M28 x 1.5 (red)	fix	no	100 N	1 W
1 7708 24	NO	230V	M28 x 1.5	5	M28 x 1.5 (red)	fix	no	100 N	1 W



Order number	Type	Supply voltage	Dim.	Stroke [mm]	Adapter	Cable	End switch	Actuating force	Power consumption
1 7708 87	NC	230V	M28 x 1.5	5	M28 x 1.5 (red)	fix	no	100 N	2 W
1 7708 68	NC	24V	M28 x 1.5	5	M28 x 1.5 (red)	fix	no	100 N	2 W

DDC Actuating Drives

7990



Order number	Type	Supply voltage	Dim.	Stroke [mm]	Adapter	Cable	End switch	Actuating force	Power cons.
1 7990 31	NC	24V control signal 0 - 10 V	M28 x 1.5	5	M28 x 1.5 (blue)	plug-in	no	125 N	1.2 W
1 7990 32	NC	24V control signal 0 - 10 V	M28 x 1.5	5	M28 x 1.5 (blue)	plug-in	no	125 N	1.2 W

Motoric Actuator with feedback

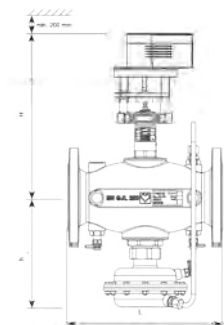
7708



Order number	Type	Control	Supply voltage	Dim.	Stroke [mm]	Adapter	Actuating force	Valve Characteristic
1 7708 40	NC	3-point	24V	M28 x 1.5	8.5	M28 x 1.5 (blue)	200 N	-
1 7708 41	NC	3-point	230V	M28 x 1.5	8.5	M28 x 1.5 (blue)	200 N	-
1 7708 42	NC	0-10 V DC signal	24V	M28 x 1.5	8.5	M28 x 1.5 (blue)	200 N	Linear
1 7708 46	NC	0-10 V DC signal, feed back	24V	M28 x 1.5	8.5	M28 x 1.5 (blue)	200 N	Linear
1 7708 48	NC	0-10 V DC signal, feed back, fail safe	24 V	M28 x 1.5	8.5	M28 x 1.5 (blue)	125 N	Linear
5 7712 08	NC	0-10 V DC signal	24 V	M28 x 1.5	8.5	M28 x 1.5 (blue)	125 N	Equal %
5 7712 48	NC	0-10 V DC signal, feed back, fail safe	24 V	M28 x 1.5	8.5	M28 x 1.5 (blue)	125 N	Equal %
5 7712 46	NC	0-10 V DC signal, feed back	24 V	M28 x 1.5	8.5	M28 x 1.5 (blue)	125 N	Equal %

Flanged Flow Controller with integrated Control Valve [PICV]

F 4006



Technical data:

- Diff. pressure across the restrictor: 0,2 bar
- Min. operating temperature: - 20 °C
- Max. operating temperature: 110 °C
- Type of connection: Flanged (EN 1092-2)
- Valve body material: EN-GJL-250
- Gasket material: EPDM
- Cones, stem, seat material CW617N-R320-S, WN1.4305, WN1.4305
- Impulse tupe: WN1.4301
- Diaphragm material: EPDM
- Available in PN16 / PN25 rated models

Order number PN16	DN	Stroke [mm]	min. Flowrate @ 25% [m³/h]	max. Flowrate @ 100% [m³/h]	mind. dp [kPa]	kvs combi valve	H	h1	L
F 4006 62	50	15	3.75	15	40	23,7	310	210	230
F 4006 63	65	15	5	20	40	31,6	310	210	290
F 4006 64	80	20	9	36	40	56,9	395	230	310
F 4006 65	100	20	10.75	43	40	68,0	395	232	350
F 4006 66	125	40	25	100	40	158,1	590	410	400
F 4006 56	125 HF	40	37.5	150	70	179,3	590	410	400
F 4006 67	150	40	36.25	145	40	229,3	595	425	480
F 4006 57	150 HF	40	50	200	70	239,0	595	425	480
F 4006 68	200	40	52.5	210	40	332,0	630	585	600
F 4006 58	200 HF	40	75	300	70	358,6	630	585	600
F 4006 48	200 UHF	40	87.5	350	85	379,6	630	585	600
F 4006 69	250 SF	40	87.5	350	50	495,0	665	620	730
F 4006 59	250 HF	40	102.50	410	70	490,0	665	620	730

Actuators for control valves, open-close, 3-point (for 2-port, 3-way and PICV)

F 7712



Order number	Nominal voltage	Type	Actuating force	Stroke [mm]	Position indication	Actuating time	Degree of protection IEC/EN
F 7712 95	AC/DC 24 V	open-close 3-point	500 N	15	mechanical 5 - 15 mm stroke	150 s	IP54
F 7712 96	AC/DC 24 V	open-close 3-point	1000 N	20	mechanical 5 - 20 mm stroke	150 s	IP54
F 7712 97	AC/DC 24 V	open-close 3-point	1500 N	20	mechanical 5 - 20 mm stroke	150 s	IP54
F 7712 98	AC/DC 24 V	open-close 3-point	2500 N	40	mechanical 5 - 40 mm stroke	150 s	IP54
F 7712 81	AC 230 V	open-close 3-point	500 N	15	mechanical 5 - 15 mm stroke	150 s	IP54
F 7712 82	AC 230 V	open-close 3-point	1000 N	20	mechanical 5 - 20 mm stroke	150 s	IP54
F 7712 83	AC 230 V	open-close 3-point	1500 N	20	mechanical 5 - 20 mm stroke	150 s	IP54
F 7712 84	AC 230 V	open-close 3-point	2500 N	40	mechanical 5 - 40 mm stroke	150 s	IP54
F 7712 85	AC 230 V	open-close 3-point	12000 N	65 mm	mechanical 5 - 65 mm stroke	0.79 s/mm	IP65



Actuators for control valves, modulating (for 2-port, 3-way and PICV)

7712



Order number	Nominal voltage	Actuating force	Stroke [mm]	Operating time	Degree of protection IEC/EN
1 7712 28	230 V / AC	500 N	8- 20	7.5 s / mm	IP54
1 7712 29	AC/DC 24 V	500 N	8- 20	7.5/15 s / mm	IP54

7712

**HERZ actuator for control valves 24 V AC/DC**

Optional 4-20mA feedback and control signal

Order number	Nominal voltage	Actuating force	Stroke [mm]	Operating time	Degree of protection IEC/EN
1 7712 30	230 V / AC	1000 N	20	6/12 s / mm	IP54
1 7712 31	AC/DC 24 V	1000 N	20	6/4 s / mm	IP54

7712

**HERZ actuator for control valves 24 V AC/DC**

Control: 2-point, 3-point or continuous

Linear/ equal percentage characteristics

Actuation force 2500 N, stroke 49 mm

Actuation time 2/4/6 s/mm

Two-colour LED display

Automatic adaptation to the stroke of the valve.

Operating voltage 230 V with 230 V module 1 7712 22 possible.

Order number	Nominal voltage	Actuating force	Stroke [mm]	Operating time	Degree of protection IEC/EN
1 7712 21	24 V / AC / DC	2500 N	49	2/4/6 s / mm	IP66
1 7712 32	24 V / AC / DC	2500 N	49	2/4/6 s / mm	IP66

7712

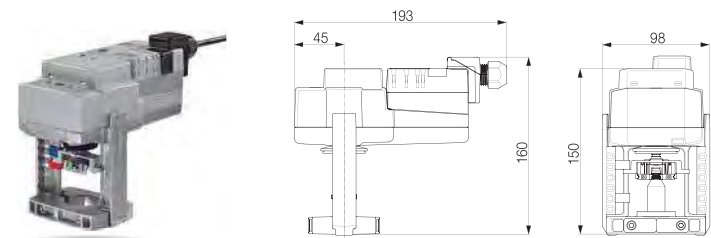
**Technical data:**

- Operating voltage 24 V, appropriate for AC and DC operation
- Pluggable via M12- and M8- connectors
- Modbus In M12 male, Modbus Out M12 Female
- Only Slave Mode
- For two actuators, thermal on/off or thermal / motoric 0-10V actuators with or without feedback
- Automatic baud rate- detection
- DIP-Switches for setting modbus address 1 to 62, CRC- swapping on/ off, baud rate, parity and termination
- Wide range control registers for setting the converter, the plugged actuators and sensors

Order number	Nominal voltage	Actuating force	Stroke [mm]	Operating time	Degree of protection IEC/EN
1 7712 32	24 V / AC / DC	2500 N	49	2/4/6 s / mm	IP66

Actuators for control valves, modulating (for 2-port, 3-way and PICV)

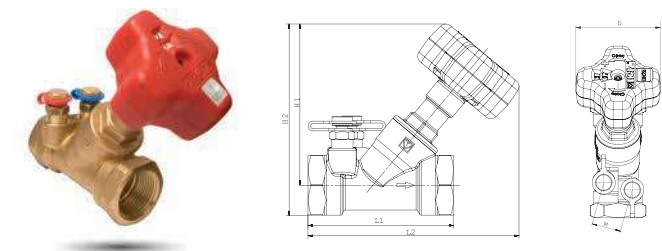
F 7712



Order number	Nominal voltage	Type	Actuating force	Stroke [mm]	Operating range	Position feedback	Actuating time	Degree of protection IEC/EN
F 7712 90	AC/DC 24 V	modulating	500 N	15	DC 0 (2) - 10 V	DC 0 (2) - 10 V	150 s	IP54
F 7712 91	AC/DC 24 V	modulating	1000 N	20	DC 0 (2) - 10 V	DC 0 (2) - 10 V	150 s	IP54
F 7712 92	AC/DC 24 V	modulating	2500 N	40	DC 0 (2) - 10 V	DC 0 (2) - 10 V	150 s	IP54
F 7712 93	AC/DC 24 V	modulating	1500 N	10	DC 0 (2) - 10 V	DC 0 (2) - 10 V	150 s	IP54
F 7712 94	AC 24 V	modulating	12000 N	65	DC 0 (2) - 10 V	DC 0 (2) - 10 V	0.8 s/mm	IP65

Double Regulating Valve [DRV] with two test points

4017 M



Technical data:

- Max. operating temperature: 130 °C
- Max. operating pressure: 20 bar
- Max. differential pressure at closed valve: 10 bar
- Body: DZR
- Non-rising stem sealed with Double-O-Ring
- Presetting through stroke limiting, handwheel with presetting digital display

Order number	DN	L1	L2	H1	H2	M	D	Kvs valve	Kvs Orifice
1 4017 11	15 LF	83	129	96	109	25	70	0.46	0.48
1 4017 21	15 MF	83	129	96	109	25	70	0.88	0.97
1 4017 01	15	83	129	96	109	25	70	2.00	1.95
1 4017 02	20	91	135	99	115	25	70	3.60	3.95
1 4017 03	25	110	146	109	130	25	70	6.50	7.90
1 4017 04	32	122	159	117	142	25	70	13.30	15.75
1 4017 05	40	135	178	136	163	25	70	18.50	21.50
1 4017 06	50	164	197	140	175	25	70	33.00	46.70

Double Regulating Valve [DRV] with capillary connection

4017 ML

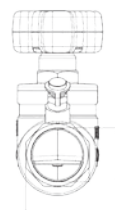
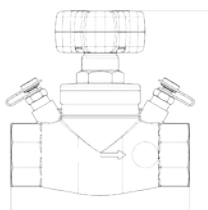


Order number	DN	L1	L2	H1	H2	M	D	Kvs valve	Kvs Orifice
1 4017 30	15 LF	83	129	96	109	25	70	0.46	0.48
1 4017 39	15 MF	83	129	96	109	25	70	0.88	0.97
1 4017 31	15	83	129	96	109	25	70	2.00	1.95
1 4017 32	20	91	135	99	115	25	70	3.60	3.95
1 4017 33	25	110	146	109	130	25	70	6.50	7.90
1 4017 34	32	122	159	117	142	25	70	13.30	15.75
1 4017 35	40	135	178	136	163	25	70	18.50	21.50
1 4017 36	50	164	197	140	175	25	70	33.00	46.70



Variable Orifice Double Regulating Valve [DRV], Straight model

4217 GM STRÖMAX 4217 GR STRÖMAX



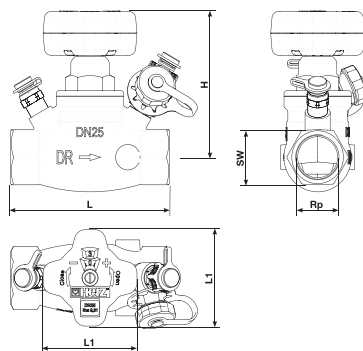
Description:

Dezincification-resistant brass, non-rising spindle, socket x socket, spindle sealing with double O-ring. Linear characteristic graph. Pre-setting via stroke limitation, digital display of the pre-setting in the hand wheel window. Pre-setting tampering seal 1 **6517** 04 and pre-setting marker 1 **6517** 05 are included. Max. oper. temp.: to DN 32 130°C from DN 40 110°C Max. oper. pressure: 16 bar Test points for 4217 GM

4217 GM	4217 GR	DN	Rp	L	L1	H	SW hexagon	SW octagon	Kvs
1 4217 30	-	15 LF	1/2	100	71	97	27	-	0.93
1 4217 31	-	15 MF	1/2	100	71	97	27	-	3.49
1 4217 01	1 4217 61	15	1/2	100	71	97	27	-	6.05
1 4217 32	1 4217 62	20	3/4	100	71	97	32	-	6.11
1 4217 33	1 4217 63	25	1	120	71	107	41	-	9.22
1 4217 34	1 4217 64	32	1 1/4	140	71	112	-	50	18.83
1 4217 35	1 4217 65	40	1 1/2	150	71	112	-	55	23.29
1 4217 36	1 4217 66	50	2	165	110	136	-	70	35.26
1 4217 07	1 4217 67	65	2 1/2	190	110	141	-	85	52.11
1 4217 08	1 4217 68	80	3	210	110	142	-	100	76.10

Variable Orifice Double Regulating Valve [DRV], Straight model with capillary connection

4217 GML STRÖMAX



Description:

Dezincification-resistant brass, non-rising spindle, socket x socket, spindle sealing with double O-ring. Linear characteristic graph. Pre-setting via stroke limitation, digital display of the pre-setting in the hand wheel window. Pre-setting tampering seal 1 **6517** 04 and pre-setting marker 1 **6517** 05 are included. Adapters and compression adapters must be ordered separately. Max. operating temperature: to DN 32 130°C from DN 40 110°C Max. operating pressure: 16 bar

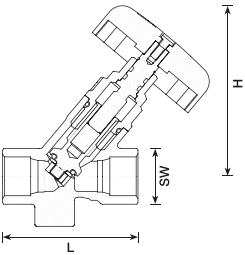
Order number	DN	Rp	L	L1	H	SW hexagon	SW octagon	Kvs
1 4217 10	15 LF	1/2	100	71	97	27	-	0.93
1 4217 19	15 MF	1/2	100	71	97	27	-	3.49
1 4217 11	15	1/2	100	71	97	27	-	6.05
1 4217 12	20	3/4	100	71	97	32	-	6.11
1 4217 13	25	1	120	71	107	41	-	9.22
1 4217 14	32	1 1/4	140	71	112	-	50	18.83
1 4217 15	40	1 1/2	150	71	112	-	55	23.29
1 4217 16	50	2	165	110	136	-	70	35.26
1 4217 17	65	2 1/2	190	110	141	-	85	52.11
1 4217 18	80	3	210	110	142	-	100	76.10

Inclined Shut-off Valve With Non-Rising Spindle

4125 STRÖMAX-D



4125 STRÖMAX-AD WITH
BORES FOR DRAINING



Order number		DN	Rp	L	H	SW hexagon	SW octagon	Kvs
1 4125 61	1 4125 71	15	1/2	65	86	27	-	4.8
1 4125 62	1 4125 72	20	3/4	75	92	32	-	11.5
1 4125 63	1 4125 73	25	1	90	105	41	-	21.5
1 4125 64	1 4125 74	32	1 1/4	110	118	-	50	35.0
1 4125 65	1 4125 75	40	1 1/2	120	127	-	55	48.0
1 4125 66	1 4125 76	50	2	150	155	-	70	82.0
1 4125 67	1 4125 77	65	2 1/2	180	205	-	85	127.0
1 4125 68	1 4125 78	80	3	210	226	-	100	183.0

Technical data:

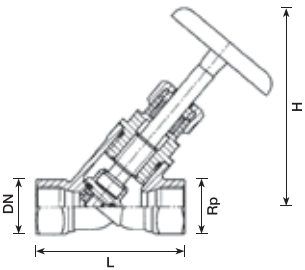
- Max. operation temperature: 110°C
- Max. operation pressure: 20 bar
- Max. differential pressure on closed seat: 10 bar
- Body: casted DZR brass CC752S
- Upper part: DZR brass CW602N
- Cone: DZR brass CW602N
- Spindle brass CW617N
- Sealing: EPDM
- Hand wheel: Polyamide
- Drain possibility: 1 4125 71-78

Inclined Shut-off Valve With Rising Spindle

4115 STRÖMAX



4115 STRÖMAX-A WITH
BORES FOR DRAINING



Order number		DN	Rp	L	H _{open}	Kvs
1 4115 00	-	10	3/8	60	85	3.0
1 4115 01	1 4115 11	15	1/2	65	90	4.0
1 4115 02	1 4115 12	20	3/4	75	115	10.5
1 4115 03	1 4115 13	25	1	90	130	18.0
1 4115 04	1 4115 14	32	1 1/4	110	156	32.5
1 4115 05	1 4115 15	40	1 1/2	120	175	44.0
1 4115 06	1 4115 16	50	2	150	215	82.0
1 4115 07	1 4115 17	65	2 1/2	180	297	127.0
1 4115 08	1 4115 18	80	3	210	325	183.0

Technical data:

- Max. operation temperature: 110°C
- Max. operation pressure: 20 bar
- Max. differential pressure on closed seat: 10 bar
- Body: casted DZR brass CC752S
- Upper part: DZR brass CW602N
- Cone: DZR brass CW602N
- Spindle: brass CW617N
- Sealing: EPDM
- Hand wheel: sheet steel
- Drain possibility: 1 4115 11-18



Circuit Regulating Valves for Differential Pressure Measurement, flanged version

4218 GF



STRÖMAX-GF-circuit regulating valve with test points, DN 50 - 300 Screw-down model, grey cast iron body GJL 250 acc. EN 1561, flange acc. EN 1092, PN 16, blue enamel coating. Upper part grey cast iron GJL 250, with non-rising spindle, spindle seal by means of triple O-Ring. Presetting step is shown on the digital display. For DN 350 and above body of spheroidal graphite iron GJS 400-15, flange acc. to EN 1092, PN 16, PN 25, painted blue.

Order number PN16	DN	L	H1	H2	D	Kvs	
1 4218 80	50	230	169	252	150	34.96	16.8
1 4218 81	65	290	186	280	150	66.94	23.6
1 4218 82	80	310	208	308	175	106.78	30
1 4218 83	100	350	235	345	175	169.45	38
1 4218 84	125	400	260	385	265	255.79	63
1 4218 85	150	480	308	451	265	389.54	88
1 4218 86	200	600	449	619	450	676.33	161
1 4218 87	250	730	503	705	450	1082.72	256
1 4218 88	300	852	562	842	450	1784.91	383
1 4218 89	350	980	758	1021	520	2917.6	536
1 4218 90	400	1100	805	1103	580	3854.8	547
1 4218 92	500	1250	1051	1413	715	5250.6	968

*PN25 models available on request

STRÖMAX-AGF-Shutoff Valve, flanged version

4218 AGF

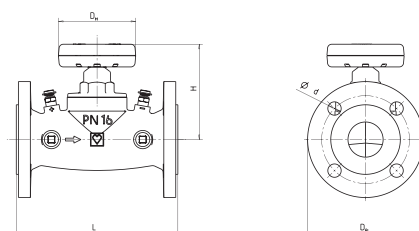


Order number PN16	Order number PN25	DN	Dim.	Kvs
1 4218 53	1 4220 53	25	1	11.0
1 4218 54	1 4220 54	32	1 1/4	20.1
1 4218 55	1 4220 55	40	1 1/2	30.4
1 4218 56	1 4220 56	50	2	36.9
1 4218 57	1 4220 57	65	2 1/3	62.5
1 4218 58	1 4220 58	80	3	75.0

Body made of cast iron GJL 250 according to EN 1561, flange according to EN 1092, PN 16, PN 25; length according to ÖNORM EN-558-1, basic series 1, blue enamel coating. Valve upper part made of brass. Non-rising spindle, spindle seal by means of double O-Ring. A permanently elastic soft seal is used as a seat seal.

4218 GMF STRÖMAX-GMF circuit regulating valve with test points DN 50 - 150

4218 GMF



Order number PN16	Order number PN25	DN	L	H	DH	Kvs
1 4218 46	1 4220 46	50	230	135	110	37.84
1 4218 47	1 4220 47	65	290	145	110	60.3
1 4218 48	1 4220 48	80	310	145	110	67.8
1 4218 49	1 4220 49	100	350	190	190	99.55
1 4218 50	1 4220 50	125	400	230	190	186.58
1 4218 51	1 4220 51	150	480	264	190	279.05

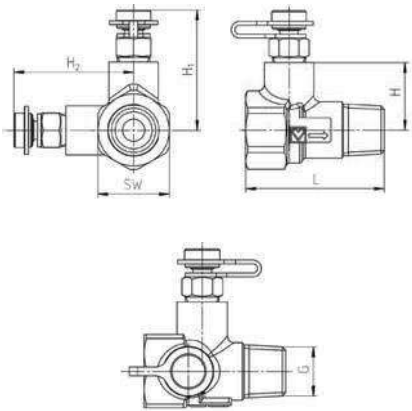
Screw-down model, body made of cast iron GJL 250, according to EN 1561, flange according to EN 1092, PN 16, PN 25, blue coating. Brass upper part, screwed, with non-rising spindle, spindle seal by means of double O-Ring. Presetting by limitation of valve lift and inside spindle. Pre-setting step is shown on the digital display in the hand wheel window. Two quick measuring valves are mounted next to hand wheel. Four bores for draining fittings, closed with screw plugs 3/8 (DN10).

Metering Station with two test points

4000



- Specifications:**
- Stainless steel disc with extended test points
 - Maximum working temperature 120 °C
 - Kv-values, also pressure and temperature ratings, comply with requirements of BS7350
 - Kv-values in m3/hour at a pressure drop of 1 bar



Order number	DN	G	L	H1	H2, H3	SW	Kvs	PN
1 4000 11	15 LF	1/2	56	27.5	52	29	0.55	20
1 4000 21	15 MF	1/2	56	27.5	52	29	1.10	20
1 4000 01	15	1/2	56	27.5	52	29	2.20	20
1 4000 02	20	3/4	58	30	54.5	36	4.25	20
1 4000 03	25	1	64	33	57.5	43	8.60	20
1 4000 04	32	1 1/4	72	38.5	63	53	15.90	20
1 4000 05	40	1 1/2	72	40	64.5	61	23.70	20
1 4000 06	50	2	80	45	69.5	72	48.00	20

Flow Measuring Orifice Plate

4000



Order number PN16	Order number PN25	Pipe Size Inch	DN	A	B	Weight Kg	Flow Kv	Kvs
1 4000 31	5 4000 41	2.5"	65	129	18	1.3	151	88
1 4000 32	5 4000 42	3"	80	144	18	1.6	224	122
1 4000 33	5 4000 43	4"	100	164	18	1.8	368	218
1 4000 34	5 4000 44	5"	125	194	18	2.4	566	340
1 4000 35	5 4000 45	6"	150	220	18	2.8	790	468
1 4000 36	5 4000 46	8"	200	275	18	3.9	1386	798
1 4000 37	5 4000 47	10"	250	330	18	5.2	2120	1220
1 4000 38	5 4000 48	12"	300	386	18	6.5	3116	1800
1 4000 39	5 4000 49	14"	350	446	20	11.4	2748	1782
1 4000 40	5 4000 50	16"	400	498	20	13.2	3560	2328
1 4000 41	5 4000 51	18"	450	558	22	17.7	4571	2970
1 4000 42	5 4000 52	20"	500	620	22	22.1	5676	3692
1 4000 43	5 4000 53	24"	600	737	25	33.9	8223	4480

Foot valve with stainless steel filter



- Technical data:**
- Operating pressure: depending on dimension, see table above
 - Operating temperature range: -10°C to 110°C (water 0.5°C - 95°C, no steam)
 - Medium: water, compressed air, etc. (non-agressive mediums)

Order number	DN	PN
I 0237 01	15	16
I 0237 02	20	16
I 0237 03	25	16
I 0237 04	32	16
I 0237 05	40	16
I 0237 06	50	16
I 0237 07	65	06
I 0237 08	80	06
I 0237 09	100	06



Measuring valves

0284



Order number	Dim.
1 0284 01	1/4

Test points for HERZ-STRÖMAX-Circuit regulating valves (manufactured from 2004), brass version, blue cap (return) for flow computer.



Order number	Dim.
1 0284 02	1/4

Test points for HERZ-STRÖMAX-Circuit regulating valves (manufactured in 2004 or later), brass version, red cap (flow) for flow computer.



Order number	Dim.
2 0284 01	1/4

Test points for HERZ-STRÖMAX-TW-Circuit regulating valves Brass version, blue cap (return) for flow computer, valves are marked in green (for drinking water).



Order number	Dim.
2 0284 02	1/4

Test points for HERZ-STRÖMAX-TW-Circuit regulating valves Brass version, red cap (flow) for flow computer, valves are marked in green (for drinking water).



Order number	Dim.
1 0284 11	1/4

Test points for HERZ-STRÖMAX-Circuit regulating valves Brass version, blue cap (return) for flow computer. Extended model for insulated valves.



Order number	Dim.
1 0284 12	1/4

Test points for HERZ-STRÖMAX-Circuit regulating valves. Brass version, red cap (flow) for flow computer. Extended model for insulated valves.



Order number	Dim.
1 0284 21	1/4

Test points with draining function Brass version, blue cap, with swivel hose connection. Test point for flow computer.



Order number	Dim.
1 0284 22	1/4

Test points with draining function Brass version, red cap, with swivel hose connection. Test point for flow computer.



Order number	Dim.
1 0284 23	1/4

Extended test point, drain function, blue cap.



Order number	Dim.
1 0284 24	1/4

Extended test point, drain function, red cap.



Order number	Dim.
1 0284 03	1/4

Test points with capillary connection brass version, blue cap (return).



Order number	Dim.
1 0284 04	1/4

Test points with capillary connection brass version, red cap (supply).

Accessories for Measuring Computer

0284



1 0284 00 Test point adapters

Order number

1 0284 00



1 0284 10 Measuring valve
1 set = 2 pieces.

Order number

1 0284 10

8900



Filter replacement set and seals
Set contains of 2 filters and 2 sealings for mea-
suring hoses to measuring computer 1 8900 04.

Order number

1 8900 10

Capillary for Differential Pressure Controllers 4007

4002, 4007



Ball valve with nipple

Order number Dim.

1 4007 78 1/8

Capillary for Differential Pressure
Controller with ball valve 1/8

Order number Length

1 4002 78 1.0 m

4002, 4007



Capillary for Differential Pressure Controller
with screw plug G 1/4 and nipples 1/8 G x 1/4 G

Order number Length

1 4007 79 1.0 m

1 4007 80 1.5 m

1 4002 80 2.0 m

4218 GF



Spare parts set for 4218 GF

Order number DN

1 4218 22 50-65

1 4218 23 80-100

1 4218 24 125-150

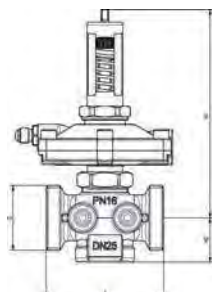
1 4218 25 200-250

1 4218 26 300



Differential Pressure Controller [DPCV]

4002

**Materials:**

- Body: DZR brass
- Membranes and O-Rings: EPDM

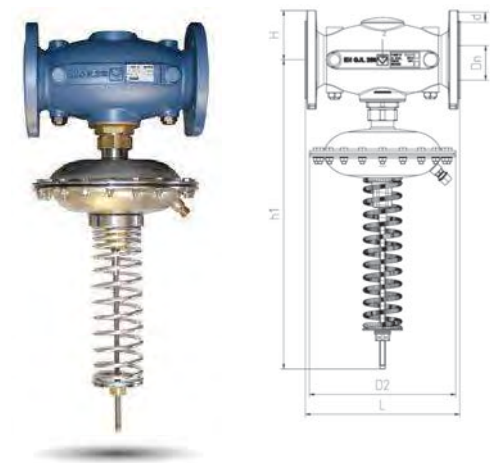
Technical data:

- Max. operating pressure: 16 / 25 bar
- Min. operating temp.: - 20 °C
- Max. operating temp.: 120 °C

Order number	Regulating range	DN	G	MT/FT	L	H1	H2	B	B1	B2
1 4002 41	05-30 kPa	15	3/4 G	MT	66	133	28	94	26	31
1 4002 42	05-30 kPa	20	1 G	MT	76	134	29	94	28	33
1 4002 43	05-30 kPa	25	5/4 flatsealing	MT	76	134	29	94	28	33
1 4002 44	05-30 kPa	32	1 1/2 flatsealing	MT	114	150	47	94	32	32
1 4002 45	05-30 kPa	40	1 3/4 flatsealing	MT	132	160	58	94	41	41
1 4002 46	05-30 kPa	50	2 3/8 flatsealing	MT	140	160	58	94	41	41
1 4002 61	25-60 kPa	15	3/4 G	MT	66	133	28	94	26	31
1 4002 62	25-60 kPa	20	1 G	MT	76	134	29	94	28	33
1 4002 63	25-60 kPa	25	5/4 flatsealing	MT	76	134	29	94	28	33
1 4002 64	25-60 kPa	32	1 1/2 flatsealing	MT	114	150	47	94	32	32
1 4002 65	25-60 kPa	40	1 3/4 flatsealing	MT	132	160	58	94	41	41
1 4002 66	25-60 kPa	50	2 3/8 flatsealing	MT	140	160	58	94	41	41
1 4002 31	50-150 kPa	15	3/4 lat sealing	MT	66	133	28	94	26	31
1 4002 32	50-150 kPa	20	1lat sealing	MT	76	134	29	94	28	33
1 4002 33	50-150 kPa	25	5/4 lat sealing	MT	90	134	29	94	28	33
1 4002 34	50-150 kPa	32	1 1/2 lat sealing	MT	114	150	47	94	32	32
1 4002 35	50-150 kPa	40	1 3/4 lat sealing	MT	132	160	57	94	41	41
1 4002 36	50-150 kPa	50	2 3/8 lat sealing	MT	140	160	57	94	41	41
1 4202 41	05-30 kPa	15	1/2	FT	66	133	28	94	26	31
1 4202 42	05-30 kPa	20	3/4	FT	76	134	29	94	28	33
1 4202 43	05-30 kPa	25	1	FT	90	134	29	94	28	33
1 4202 44	05-30 kPa	32	5/4	FT	114	150	46	94	32	32
1 4202 45	05-30 kPa	40	1 1/2	FT	132	160	57	94	41	41
1 4202 46	05-30 kPa	50	2	FT	140	160	57	94	41	41
1 4202 61	25-60 kPa	15	1/2	FT	66	133	28	94	26	31
1 4202 62	25-60 kPa	20	3/4	FT	76	134	29	94	28	33
1 4202 63	25-60 kPa	25	1	FT	90	134	29	94	28	33
1 4202 64	25-60 kPa	32	5/4	FT	114	150	46	94	32	32
1 4202 65	25-60 kPa	40	1 1/2	FT	132	160	57	94	41	41
1 4202 66	25-60 kPa	50	2	FT	140	160	57	94	41	41
1 4202 31	50-150 kPa	15	1/2	FT	66	133	28	94	26	31
1 4202 32	50-150 kPa	20	3/4	FT	76	134	29	94	28	33
1 4202 33	50-150 kPa	25	1	FT	90	134	29	94	28	33
1 4202 34	50-150 kPa	32	5/4	FT	114	150	47	94	32	32
1 4202 35	50-150 kPa	40	1 1/2	FT	132	160	57	94	41	41
1 4202 36	50-150 kPa	50	2	FT	140	160	57	94	41	41

Differential Pressure Controller, flanged version

F 4007 01 - 08



Order number	DN	L [mm]	h1 [mm]	H [mm]	d [mm]	D2 [mm]	dp setting range [kPa]
F 4007 26	50	230	566	82	19	156	50-150
F 4007 07	65	290	581	93	19	275	10-40
F 4007 17	65	290	567	93	19	156	20-80
F 4007 27	65	290	567	93	19	156	50-150
F 4007 38	80	310	603	113	19	275	20-80
F 4007 08	80	310	603	113	19	275	10-40
F 4007 18	80	310	588	113	19	156	20-80
F 4007 28	80	310	588	113	19	156	50-150
F 4007 09	100	350	603	112	19	275	10-40
F 4007 19	100	350	603	112	19	275	20-80
F 4007 29	100	350	588	112	19	156	50-150
F 4007 20	125	400	727	181	19	275	20-80
F 4007 30	125	400	727	181	19	275	50-150
F 4007 21	150	480	721	185	23	275	20-80
F 4007 31	150	480	721	185	23	275	50-150
F 4007 32	200	600	708	222	23	275	50-150

Technical data:

- Max. working pressure: 16 bar
- Testing pressure: 25 bar
- Max. allowed working temperature: 110 °C
- Min. working temperature: -10 °C

Materials:

- Valve body material: EN-GJL-250 acc. to EN 1561
- Type of connection: Flange (EN 1092-2)
- Diaphragm: EPDM with textil
- O-Ring: EPDM
- Spring: EN 10270-1-SH

Differential Pressure Overflow Valve, Straight Model

4004



One-part metal body, nickel-plated model;
for flat-sealing screw connection of choice.
Screw connections must be ordered separately.

Order number	Dim.	Model	Threaded connection	A	B	BL	BL1	BL2	Kvs
1 4004 31	DN 15	straight	G 3/4 B ISO 228/1	26	82	69.5	-	-	2.2
1 4004 32	DN 20	straight	G 1 B ISO 228/1	26	82	75	-	-	2.2
1 4004 41	DN 15	angle	G 3/4 B ISO 228/1	101	-	-	32	25	2.2
1 4004 42	DN 20	angle	G 1 B ISO 228/1	111	-	-	34	34.5	2.2

Measuring Computer

8900



1 8900 04 Measuring computer for differential pressure

Electronic differential pressure gauge for one-handed operation with integral pressure transducer for the measurement at balancing valves with direct display and display of flow and the differential pressure. Measuring range 0–10 bar, max. Pressure 12 bar, connection for printer or PC via USB interface, IP 65, recording memory for 20,000 measurements. Delivered with accessories: 2 measuring hoses with quick-on stops and filter hose adapter, software and user manual on CD, measuring set 1 0284 00 and extension lead for measuring valve 1 0284 10 Power supply Li/ion battery, operation time 12 hrs. It is recommended to provide annual maintenance and calibration!

Power supply	Display	Software	Data memory	Temperature	Measuring range	Calibration	Verification	Measurement method
3V Li/ion battery 950 mAhrs, 12 hrs operating time, 1 year Stand-By, charging with supply unit 230 V~ or USB port	44x33 mm, il- luminated, 240x320 pixel RGB, 65k colors	Update only by manufac- turer	20000 measure- ments can be stored	Ambient: -5 - 50 °C Medium: -5 - 90 °C Storage: -5 - +50 °C hoses can freeze	Max. pressure: 12 bar Differential pressure: 10 bar Static pressure: n.a.	once daily before the measure- ments, done by pressing the „ZERO“ key without connected test hoses	possible and recom- mended by manufacturer, validity 1 year	Output flow rate and dp, valve type, settings, medium



Gate Valve with non-rising spindle

4113

**Materials:**

- Body: DZR (CW 602N)
- Upper part: DZR (CW 602N)
- Handwheel: sheet steel, coated
- Sealing: EPDM

Technical data:

- Max. operating temperature: 120°C
- Connection thread: ISO 7-1 Rp
- PN20 rated

Order number (Handwheel)	Order number (Lockshield)	DN	Rp	SW1	SW2	SW3	D	H	L
1 4113 11	1 4113 41	15	1/2	27	21	15	50	85	49.4
1 4113 12	1 4113 42	20	3/4	32	21	15	50	89.5	52.4
1 4113 13	1 4113 43	25	1	39	26	15	60	105.9	61
1 4113 14	1 4113 44	32	1 1/4	49	37	15	60	126	69.6
1 4113 15	1 4113 45	40	1 1/2	55	41	21	80	143.4	74
1 4113 16	1 4113 46	50	2	68	41	25	105	176.5	89

Gate Valve flanged version

4113

**Materials:**

- PN16: Body & Bonnet: GG25
- PN25: Body & Bonnet: GGG40
- Handwheel (3): GG25
- Stem (4): Stainless steel
- Wedge (5): GGG40 rubber plated
- Gasket (6): EPDM
- Gland (7): Brass CW617

Specifications:

- Temperature range: - 10 °C to 110 °C
- Flange dim. according to EN1092-2
- Design standard EN1171

Order number PN16	Order number PN25	DN	PN	L	H
4 4113 21	5 4113 31	65	16	170	230 15
4 4113 22	5 4113 32	80	16	180	245 17
4 4113 23	5 4113 33	100	16	190	265 23
4 4113 24	5 4113 34	125	16	200	355 37
4 4113 25	5 4113 35	150	16	210	400 45
4 4113 26	5 4113 36	200	16	230	490 80
4 4113 27	5 4113 37	250	16	250	615 123
4 4113 28	5 4113 38	300	16	270	70 166
4 4113 29	5 4113 39	350	16	290	835 225
4 4113 30	5 4113 40	400	16	310	910 290
4 4113 31	5 4113 41	450	16	330	1000 400
4 4113 32	5 4113 42	500	16	350	1135 460
4 4113 33	5 4113 43	600	16	390	1300 680

OS&Y Gate Valve

4113



Order number	DN	L	H	D
4 4113 51	65	170	390 - 475	51
4 4113 52	80	180	425 - 525	70
4 4113 53	100	190	485 - 600	114
4 4113 54	125	200	584 - 735	197
4 4113 55	150	210	655 - 835	271
4 4113 56	200	230	796 - 1020	349
4 4113 57	250	250	970 - 1245	449
4 4113 58	300	270	1110 - 1440	994
4 4113 59	350	290	1280 - 1660	1566
4 4113 60	400	310	1400 - 1830	2461
4 4113 61	450	330	1550 - 2100	3186
4 4113 62	500	350	1550 - 2100	3245
4 4113 63	600	390	1940 - 2590	3846

Materials:

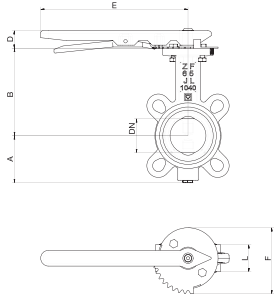
- Body: Cast iron, GG25-EN GJL 250
- Bonnet: Cast iron, GG25-EN GJL 250
- Handwheel: Cast iron, GG25-EN GJL 250
- Stem: Stainless Steel AISI420
- Wedge: Rubber Coated Ductile Iron, GGG 40-EN GJS 400-15
- Gasket: EPDM-NBR

Technical data:

- Nominal pressure: 16 bar
- Working temperature: -10° to 120°C

Butterfly Valve, semi lugged version

4219 ZF



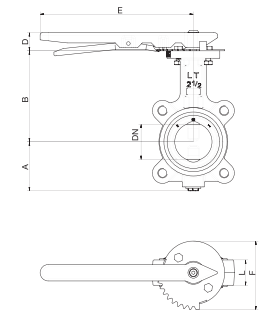
Materials:

- Housing: GG, GJL-250/JL1040, according to EN1561
- Disc: stainless steel 1.4408
- Spindle: stainless steel ASTM-A276 / Type 316
- Lever DN50-150: steel, ST14.03
- Gear DN200-600: steel, S235 DIN2458/1626
- Housing sealing: EPDM according to ISO 1691
- O-Ring: EPDM according to ISO 1691
- Flange: according to EN1092-2
- Available in PN16/PN25 rated models

Order number	DN	PN16	A	B	L	D	E	F		Torque
1 4219 01	50	+	68	125	43	30	255	112	3.8	20
1 4219 02	65	+	80	150	46	30	255	112	4	20
1 4219 03	80	+	87	157	46	30	255	112	4.7	25
1 4219 04	100	+	102	182	52	30	255	112	6.3	50
1 4219 05	125	+	120	201	56	30	255	112	8.3	50
1 4219 06	150	+	132	214	56	30	255	112	10.1	90
1 4219 07	200	+	167	245	60	95	365	88	16.6	150
1 4219 08	250	+	197	283	68	133	519	130	24.5	250
1 4219 09	300	+	222	308	78	133	519	130	37.6	350
4 4219 10	350	+	277	388	92	-	-	-	49	510
4 4219 11	400	+	308	416	102	-	-	-	90	630
4 4219 12	450	+	342	455	114	-	-	-	110	690
4 4219 13	500	+	374	490	127	-	-	-	150	860
4 4219 14	600	+	459	562	154	-	-	-	242	1035

Butterfly Valve, fully lugged version

4219 AF



Materials:

- Housing: GGG, GJS-400-15/JS1030, according to EN1563
- Disc: stainless steel 1.4408
- Spindle: stainless steel ASTM-A276 / Type 316
- Lever DN50-150: steel, ST14.03
- Gear DN200-600: steel, S235 DIN2458/1626
- Housing sealing: EPDM according to ISO 1691
- O-Ring: EPDM according to ISO 1691
- Available in PN16/PN25 rated models

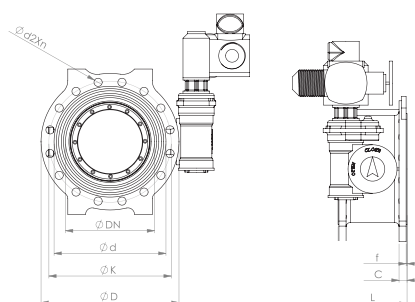
Order number	DN	PN16	A	B	L	D	E	F		Torque
1 4219 11	50	+	68	125	43	30	255	112	3.8	20
1 4219 12	65	+	80	150	46	30	255	112	4	20
1 4219 13	80	+	87	157	46	30	255	112	4.7	25
1 4219 14	100	+	102	182	52	30	255	112	6.3	50
1 4219 15	125	+	120	201	56	30	255	112	8.3	50
1 4219 16	150	+	132	214	56	30	255	112	10.1	90
1 4219 17	200	+	167	245	60	95	365	88	16.6	150
1 4219 18	250	+	207	283	68	133	519	130	24.5	250
1 4219 19	300	+	222	308	78	133	519	130	37.6	350
4 4219 30	350	+	277	388	92	-	-	-	49	510
4 4219 31	400	+	308	416	102	-	-	-	90	630
4 4219 32	450	+	342	455	114	-	-	-	110	690
4 4219 33	500	+	374	490	127	-	-	-	150	860
4 4219 34	600	+	459	562	154	-	-	-	242	1035

from DN700 and above, available on request



Double Eccentric Butterfly Valve

4219



Technical data:

- Nominal pressure: 16/25 bar
- Min. operating temperature: -10°C
- Max. operating temperature: +90°C
- Design: EN593
- Face to Face: EN558-1
- Flanged Connection: EN1092-2
- Casting standard: EN1563: 2011(EN)

Order number PN16	Order number PN 25	DN	ØD	ØK	Ød	C	d2xn
4 4219 51	5 4219 71	100	220	180	156	19	19x8
4 4219 52	5 4219 72	125	250	210	185	19	19x8
4 4219 53	5 4219 73	150	285	240	211	19	23x8
4 4219 54	5 4219 74	200	340	295	266	20	23x12
4 4219 55	5 4219 75	250	405	355	319	22	28x12
4 4219 56	5 4219 76	300	460	410	370	24	28x12
4 4219 57	5 4219 77	350	520	470	429	26	28x16
4 4219 58	5 4219 78	400	580	525	480	28	31x16
4 4219 59	5 4219 79	450	640	585	548	30	31x20
4 4219 60	5 4219 80	500	715	650	609	31	34x20
4 4219 61	5 4219 81	600	840	770	720	36	37x20
4 4219 62	5 4219 82	700	910	840	794	39	37x24
4 4219 63	5 4219 83	800	1025	950	901	43	41x24
4 4219 64	5 4219 84	900	1125	1050	1001	46	41x28
4 4219 65	5 4219 85	1000	1255	1170	1112	50	44x28
4 4219 66	5 4219 86	1100	1355	1270	1218	53	44x32
4 4219 67	5 4219 87	1200	1485	1390	1328	57	50x32

Materials:

- Body: Ductile iron EN-GJS 400(GGG40)
- Disc: Ductile iron EN-GJS 400/500(GGG40/GGG50)
- Retaining ring: Stainless Steel SS37/SS304
- Disc Gasket: EPDM X20CR13 / 316L
- Bolt: Stainless Steel
- Setscrew: Stainless Steel
- Stem: Stainless Steel
- Bush: Bronze
- Cover: Ductile iron EN-GJS 500(GGG500)
- O-Ring: EPDM

Check Valve

2622

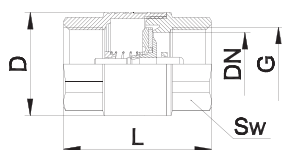


Materials:

- Body: forged brass (CW617N) acc. EN 12420
- Seat: brass (CW614N) acc. EN 12164
- Holder: brass (CW614N) acc. EN 12164
- Spindle: brass (CW614N) acc. EN 12164
- Sealing: EPDM
- Spring: stainless steel (AISI 302) 1.4310
- Connections: female thread acc. ISO228

Technical data:

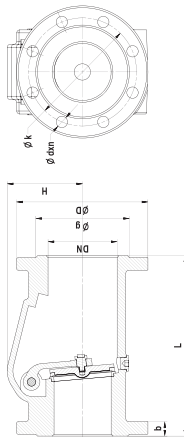
- Operating pressure: depending on dimension, see table above
- Operating temperature range: -10 °C up to 120°C (water 0.5°C - 95°C, no steam)
- Medium: water, compressed air, etc. (non-aggressive mediums)



Order number	PN	DN	G	L	D	SW	Kvs	W
1 2622 41	25	15	1/2	47	29	25	2.9	0.104
1 2622 42	25	20	3/4	52	38	31	6.0	0.174
1 2622 43	25	25	1	62	48	38	10.2	0.285
1 2622 44	25	32	1 1/4	65	56	47	14.4	0.404
1 2622 45	25	40	1 1/2	73	69	54	26.2	0.698
1 2622 46	25	50	2	80	53	66	38	0.988

Swing Check Valve

2622



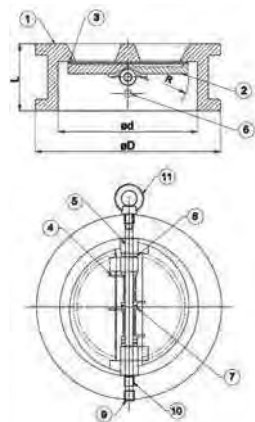
Technical data:

- Temperature range: -10°C to +110°C
- Pressure rate: PN16 / PN25
- Flange Dimensions according to EN1092-2
- Design standard EN 12334
- Coating painted blue RAL5000
- For hot and cold water systems for fluids excluding acid
- Available in PN16/PN25 reted models

Order number PN16	DN	L	D	k	g	b
4 2622 20	50	180	165	125	99	20
4 2622 21	65	240	185	145	118	20
4 2622 22	80	260	200	160	132	22
4 2622 23	100	300	220	180	156	24
4 2622 24	125	350	250	210	184	26
4 2622 25	150	400	285	240	211	26
4 2622 26	200	500	340	295	266	20
4 2622 27	250	600	405	355	319	22
4 2622 28	300	700	460	410	370	25
4 2622 89	350	800	520	470	429	26,5
4 2622 90	400	900	580	525	480	28
4 2622 91	450	1000	640	585	548	30
4 2622 92	500	1100	715	650	609	31,5
4 2622 93	600	1300	840	770	720	36

Wafer Check Valve

2622



Technical data:

- Temperature range: -10 °C to +110 °C
- Pressure rate: PN16 / PN25
- Flange Dimensions according to EN1092-2
- Design standard EN 12334
- Coating epoxy coated, blue RAL5000
- Available in PN16/PN25 reted models

Order number PN16	DN	Dim.	Kv Value
4 2622 31	65	2 1/2	69
4 2622 32	80	3	123
4 2622 33	100	4	234
4 2622 34	125	5	352
4 2622 35	150	6	599
4 2622 36	200	8	1188
4 2622 37	250	10	2494
4 2622 38	300	12	4044
4 2622 39	350	14	5051
4 2622 40	400	16	5500
4 2622 41	450	18	6715
4 2622 42	500	20	9430
4 2622 43	600	24	15700

Tilting Check Valve

2622



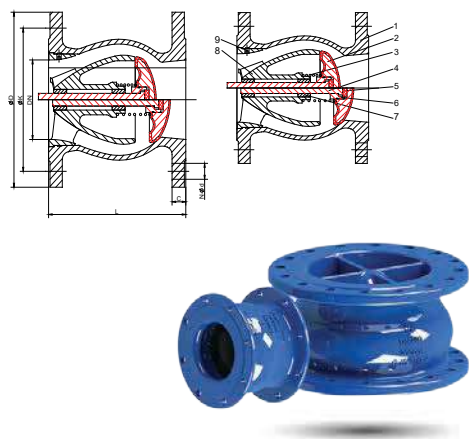
Order number PN16	Order number PN25	Weight (Kg) PN25	DN
4 2622 50	5 2622 50	13	50
4 2622 51	5 2622 51	21	65
4 2622 52	5 2622 52	22	80
4 2622 53	5 2622 53	25	100
4 2622 54	5 2622 54	40	125
4 2622 55	5 2622 55	52	150
4 2622 56	5 2622 56	149	200
4 2622 57	5 2622 57	182	250
4 2622 58	5 2622 58	316	300
4 2622 59	5 2622 59	432	350
4 2622 60	5 2622 60	550	400
4 2622 61	5 2622 61	670	450
4 2622 62	5 2622 62	880	500
4 2622 63	5 2622 63	1102	600

Features:

- Can be installed in any direction
- Resistant to temperature up to 80°C
- Reliable in portable systems



Non Slam Check Valve (Nozzle Type)



Order number	DN	L	ØD	ØK	n-Ød	C
4 2622 81	65	170	185	145	4-Ø19	19
4 2622 82	80	180	200	160	8-Ø19	19
4 2622 83	100	190	220	180	8-Ø19	19
4 2622 84	125	200	250	210	8-Ø23	19
4 2622 85	150	210	285	240	8-Ø23	19
4 2622 86	200	230	340	295	12-Ø23	20
4 2622 87	250	250	405	355	12-Ø28	22
4 2622 88	300	270	460	410	12-Ø28	24.5
4 2622 89	350	290	520	470	16-Ø28	24.5
4 2622 90	400	310	580	525	16-Ø31	24.5
4 2622 91	450	615	640	585	20-Ø31	25.5
4 2622 92	500	670	715	650	20-Ø34	26.5
4 2622 93	600	780	840	770	20-Ø37	30

Technical Data

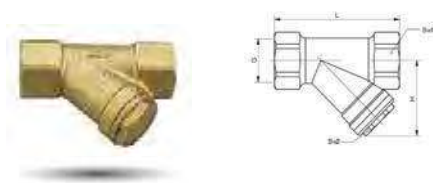
- Temperature range : 10°C ... +80°C
- Pressure rate : PN16
- Flange Dimensions : according to EN1092-2
- Coating : Epoxy Coated

Materials

- Body : Ductile Iron
- Disc : Ductile Iron & EPDM
- Spring: Stainless Steel
- Stem : Stainless Steel

Strainer, Mesh Width 0.5 mm

2662



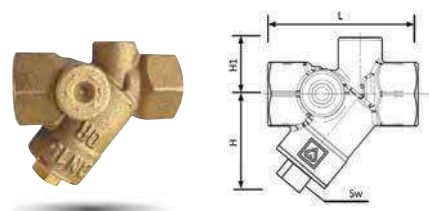
Order number	DN	PN	G	L	H	SW1	SW2	Kvs	Max. operating temp.
1 2662 11	15	25	1/2	68	37	25	22	3.10	110 °C
1 2662 12	20	25	3/4	90	46	32	24	6.30	110 °C
1 2662 13	25	25	1	90	55	41	25	10.40	110 °C
1 2662 14	32	25	1 1/4	93	62	47	32	16.5	110 °C
1 2662 15	40	25	1 1/2	105	69	54	36	27.4	110 °C
1 2662 16	50	25	2	125	83	67	46	36.7	110 °C

Technical data:

- Body: CW617N
- Mesh: expanded metal, rhombic mesh, Stainless steel 1.4301, Mesh size 0,5 mm
- Sealings EPDM according KTW, WRAS and DVGW W270

Strainer, Mesh Width 0.75 mm

4111



Order number	DN	PN	G	L	H	H1	SW	Kvs	Max. operating temp.
1 4111 11	15	25	1/2	65	42.5	24	13	3.1	110 °C
1 4111 12	20	25	3/4	75	50	23	24	6.9	110 °C
1 4111 13	25	25	1	90	57.3	32	27	12	110 °C
1 4111 14	32	25	1 1/4	110	70	39	32	21.5	110 °C
1 4111 15	40	25	1 1/2	120	79	40	32	30.0	110 °C
1 4111 16	50	25	2	150	103	45	32	42.0	110 °C
1 4111 17	65	16	2 1/2	180	118	53	32	64.3	110 °C
1 4111 18	80	16	3	220	137	61	32	148.6	110 °C

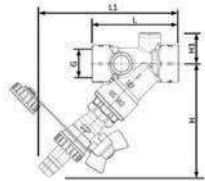
Materials:

- Body: DZR
- Mesh: expanded metal, rhombic mesh, Stainless steel 1.4301, Mesh size 0,75mm
- Sealings: EPDM according KTW, WRAS and DVGW W270

HVAC

Strainer with Drain Valve

4111



Order number	DN	PN	G	L	L1	H	H1	Kvs	Max. operating temp.
1 4111 41	15	25	1/2	65	112	102	24	3.1	110 °C
1 4111 42	20	25	3/4	75	122	111	26	7.1	110 °C

Technical data:

- Body: DZR (CC752S)
- Mesh: expanded metal, rhombic mesh, Stainless steel 1.4301, Mesh size 0,75mm
- Sealings: EPDM according KTW, WRAS and DVGW W270

Cast Iron Strainer

4111



Order number PN16	Order number PN25	DN	Dim.	Kvs
4 4111 80	5 4111 80	50	2	51
4 4111 81	5 4111 81	65	2 1/2	70
4 4111 82	5 4111 82	80	3	114
4 4111 83	5 4111 83	100	4	197
4 4111 84	5 4111 84	125	5	271
4 4111 85	5 4111 85	150	6	349
4 4111 86	5 4111 86	200	8	449
4 4111 87	5 4111 87	250	10	994
4 4111 88	5 4111 88	300	12	1566
4 4111 89	5 4111 89	350	14	2461
4 4111 90	5 4111 90	400	16	3186
4 4111 91	5 4111 91	450	18	3245
4 4111 92	5 4111 92	500	20	3846
4 4111 93	5 4111 93	600	24	4215

Technical data:

- Body: GG25 (PN16), GGG40 (PN25)
- Bonnet: GG25 (PN16), GGG40 (PN25)
- Filter: AISI 304
- Reinforcing frame: Stainless steel
- Gasket: Klingerit
- Plug gasket: Copper
- Plug: Steel St37
- Temperature range: -10 °C to +110 °C
- Pressure rate: PN16 / PN25
- Flange Dimensions according to EN1092-2
- Coating painted blue RAL5000

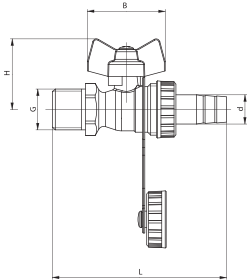
Ball Valve with spigot and union nut 1/2

2512



Technical data:

- Body: CW617N
- Ball: CW617N, full bore, Surface chrome plated
- Spindle: brass CW614N
- Locking bolt: Aluminium red painted
- Sealings: PTFE (ball), PTFE (spindle)
- WRAS approved

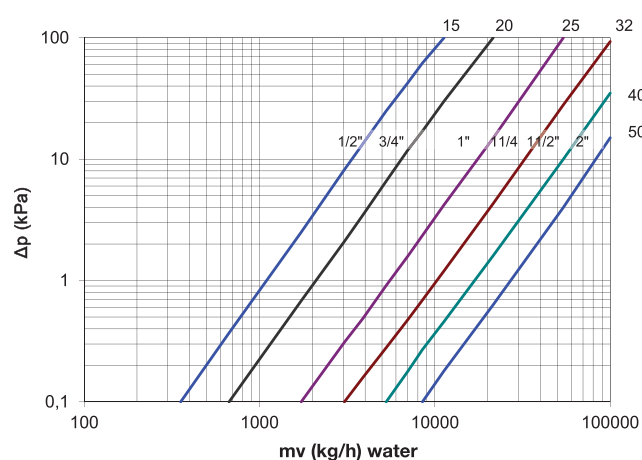
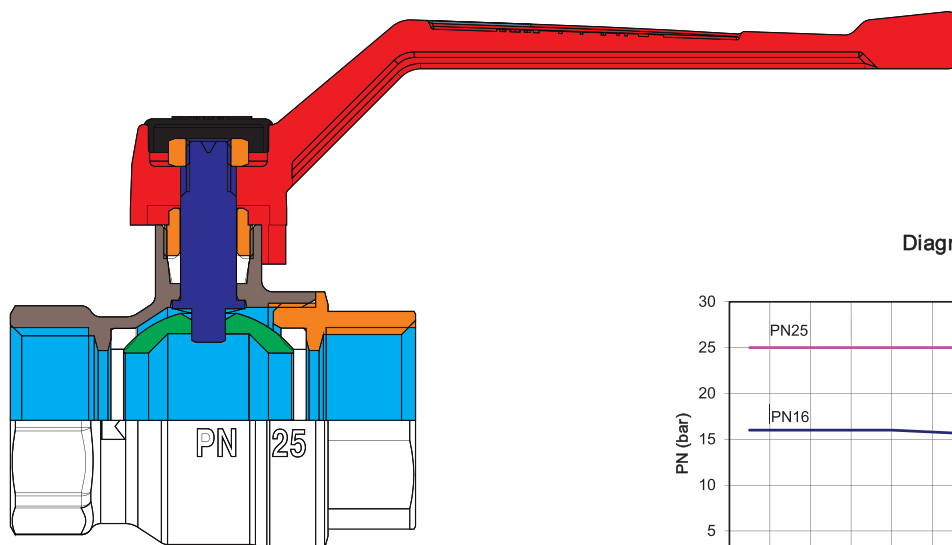


Order number	PN	DN	G	L	L1	d	H	H1	B	Sw		
1 2512 01	25	15	1/2"	83	-	15	37	-	40	24	0.170	50
1 2512 02	25	20	3/4"	98	-	19	40	-	40	30	0.290	50

T = from -10 °C up to +110 °C



Ball valves



DN	15	20	25	32	40	50
Kv	17	34	55	102	165	270
Kvp	15,8	31,5	51	95	153	250

Kv: Outflow characteristic (m³ / h) - is the flow of water at temperature 15.5°C, a pressure drop of 1 bar (100 kPa) and a fully open valve.

Kvp: Outflow characteristic (m³ / h) - is the flow of air with density of 1,16 kg/m³ at temperature 15.5°C, a pressure drop of 1 mbar (0,1 kPa) and a fully open valve.

Diagram PN-T

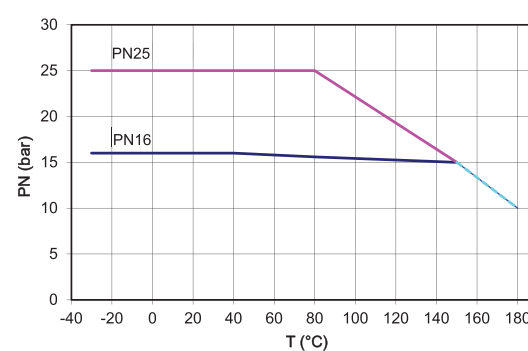
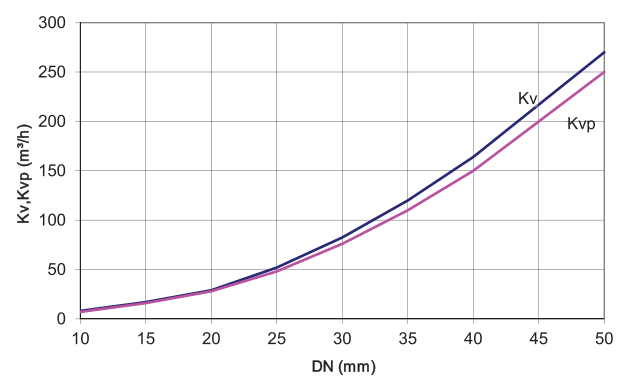
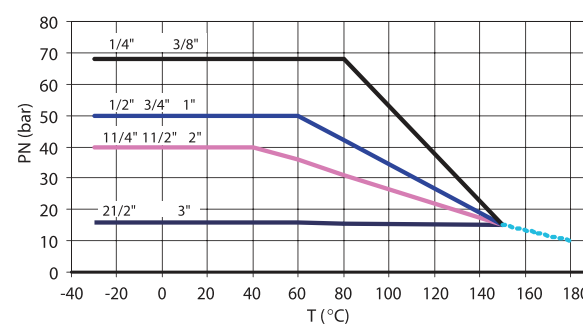


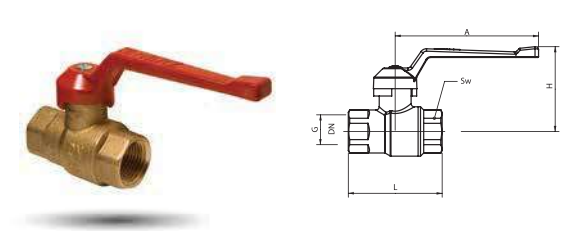
Diagram PN-T (pressure-temperature)
Diagram PN-T (pressure-temperature)



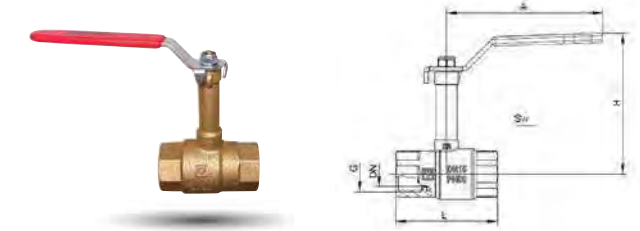
HVAC

Ball Valve

2190 0X



2190 2X



Order number	DN	PN	G	L	H	A	Sw	Max. operating temp.
1 2190 01	15	50	1/2"	59	53	90	25	120 °C
1 2190 02	20	50	3/4"	65	56	90	32	120 °C
1 2190 03	25	50	1"	80.5	77	135	41	120 °C
1 2190 04	32	40	1 1/4"	91	81	135	48	120 °C
1 2190 05	40	40	1 1/2"	104	95	180	55	120 °C
1 2190 06	50	40	2"	125.5	101	180	70	120 °C
1 2190 07	65	16	2 1/2"	146	124	210	88	120 °C
1 2190 08	80	16	3"	179	134	210	105	120 °C
1 2190 21	15	50	1/2"	59	90	90	25	120 °C
1 2190 22	20	50	3/4"	65	93	90	32	120 °C
1 2190 23	25	50	1"	80.5	107	135	41	120 °C
1 2190 24	32	50	1 1/4"	91	111	135	48	120 °C
1 2190 25	40	25	1 1/2"	100	136	180	55	120 °C
1 2190 26	50	25	2"	118	144	180	68	120 °C

Materials:
Body: 1 2190 01 - 06 and 1 2190 21 - 26 forged DZR brass, CW602N
1 2190 07 - 08 DZR brass CC752S
Ball: forged DZR brass, full bore, surface chrome plated
Spindle: brass
Lever: 1 2190 01 - 08, Aluminium red painted
1 2190 21 - 26, Steel zinc coated, red plastic covered
Sealing: Ball: PTFE, Spindle: EPDM
WRAS approved

Full Port Ball Valve

I 0491



Technical data:

- Pressure Rating PN 30
- Temperature Rating max. 100°C water (no steam), (depending on pressure)
- Forged Brass Nickel Plated Body
- Threaded Ends according to ISO 228
- Full Port Opening
- Blow Out Proof Stem

Materials:

- Valve Body: CuZn40Pb2 - DIN EN 12165
- Seat Ring: PTFE
- Ball CuZn40Pb2 - DIN EN 12165
- Retainer-body end: CuZn40Pb2 - DIN EN 12165
- Stem: CuZn40Pb2 - DIN EN 12165
- "O"Ring: NBR 70 Shore
- Handle: Aluminium, AlSi11Cu2(Fe)
- Handle: screw Steel, zinc plated



Ball Valve PN 25, socket x socket, DZR

2206 with lever handle



2206 with T-handle

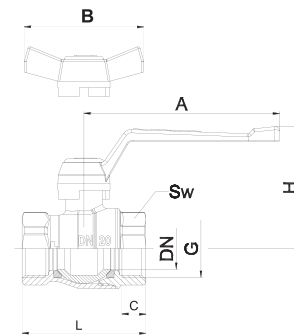


Technical data:

- Body of forged, dezincification-resistant special brass PTFE seals
- Spindle seal with PTFE
- Ball chrome-plated
- Female thread according to ISO 228
- Max. operating temperature: 150°C

	Order number	DN	PN	G	L	C	H	A	B	Sw
lever handle	1 2206 01	15	25	G1/2"	51	10	53	90	-	25
	1 2206 02	20	25	G3/4"	57	11	56	90	-	31
	1 2206 03	25	25	G1"	73	14	73	135	-	39
	1 2206 04	32	25	G1-1/4"	84	16	79	135	-	48
	1 2206 05	40	25	G1-1/2"	95	17	93	180	-	55
	1 2206 06	50	25	G2"	112	19	99	180	-	70
T-handle	1 2206 11	15	25	G1/2"	51	10	42	-	55	25
	1 2206 12	20	25	G3/4"	57	11	46	-	55	31
	1 2206 13	25	25	G1"	73	14	57	-	75	39
	1 2206 14	32	25	G1-1/4"	84	16	63	-	75	48

T= from -30 °C up to +150 °C



Ball Valve PN 25, socket x socket, DZR

2206 with lever handle



2206 with T-handle

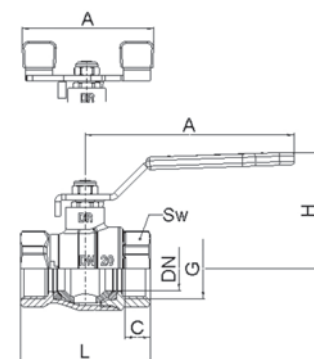


Technical data:

- Body of forged, dezincification-resistant special brass PTFE seals
- Spindle sealing with PTFE
- Ball chrome-plated
- Female thread according to ISO 228
- Max. operating temperature: 150°C

	Order number	DN	PN	G	L	C	H	A	Sw
lever handle	1 2206 21	15	25	G1/2"	51	10	48	90	25
	1 2206 22	20	25	G3/4"	57	11	51	90	31
	1 2206 23	25	25	G1"	73	14	63	135	39
	1 2206 24	32	25	G1-1/4"	84	16	69	135	48
	1 2206 25	40	25	G1-1/2"	95	17	85	180	55
	1 2206 26	50	25	G2"	112	19	91	180	70
T-handle	1 2206 31	15	25	G1/2"	51	10	45	60	25
	1 2206 32	20	25	G3/4"	57	11	48	60	31
	1 2206 33	25	25	G1"	73	14	65	85	39
	1 2206 34	32	25	G1-1/4"	84	16	71	85	48

T= from -30 °C up to +150 °C



Ball Valve with T-handle, socket x socket

2206 red plastic

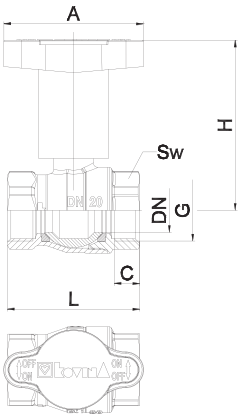


2206 blue plastic



- Technical data:**
- Body: forged brass acc. EN 12420
 - Nut: forged brass acc. EN 12420
 - Ball: forged brass, hollow bore, chrome plated
 - Spindle: mashined brass
 - Handle: plastic, red
 - Connections: connection thread acc. to ISO 228
 - Sealing elements: PTFE- polytetrafluoretylen (ball), PTFE- polytetrafluoretylen (spindle)

Order number	DN	PN	G	L	C	H	A	Sw
1 2206 41	15	25	G1/2"	51	10	70	60	25
1 2206 42	20	25	G3/4"	57	11	73	60	31
1 2206 43	25	25	G1"	73	14	82	85	39
1 2206 44	32	25	G1-1/4"	84	16	88	85	48
1 2206 45	40	25	G1-1/2"	95	17	120	120	55
1 2206 46	50	25	G2"	112	19	126	120	70
1 2206 51	15	25	G1/2"	51	10	70	60	25
1 2206 52	20	25	G3/4"	57	11	73	60	31
1 2206 53	25	25	G1"	73	14	82	85	39
1 2206 54	32	25	G1-1/4"	84	16	88	85	48
1 2206 55	40	25	G1-1/2"	95	17	120	120	55
1 2206 56	50	25	G2"	112	19	126	120	70



T= from -30 °C up to +150 °C

Ball Valve with T-handle and thermometer, socket x socket

2206 red plastic

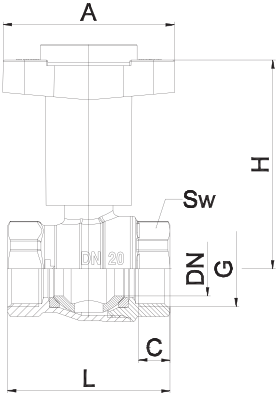


2206 blue plastic



- Technical data:**
- Body: forged brass acc. EN 12420
 - Nut: forged brass acc. EN 12420
 - Ball: forged brass, hollow bore, chrome plated
 - Spindle: mashined brass
 - Handle: plastic, red
 - Connections: connection thread acc. to ISO 228
 - Sealing elements: PTFE- polytetrafluoretylen (ball), PTFE- polytetrafluoretylen (spindle)

Order number	DN	PN	G	L	C	H	A	Sw
1 2206 61	15	25	G1/2"	51	10	70	60	25
1 2206 62	20	25	G3/4"	57	11	73	60	31
1 2206 63	25	25	G1"	73	14	82	85	39
1 2206 64	32	25	G1-1/4"	84	16	88	85	48
1 2206 65	40	25	G1-1/2"	95	17	120	120	55
1 2206 66	50	25	G2"	112	19	126	120	70
1 2206 71	15	25	G1/2"	51	10	70	60	25
1 2206 72	20	25	G3/4"	57	11	73	60	31
1 2206 73	25	25	G1"	73	14	82	85	39
1 2206 74	32	25	G1-1/4"	84	16	88	85	48
1 2206 75	40	25	G1-1/2"	95	17	120	120	55
1 2206 76	50	25	G2"	112	19	126	120	70



T= from -30 °C up to +150 °C



Ball Valve

2100 with lever handle



2100 with T-handle

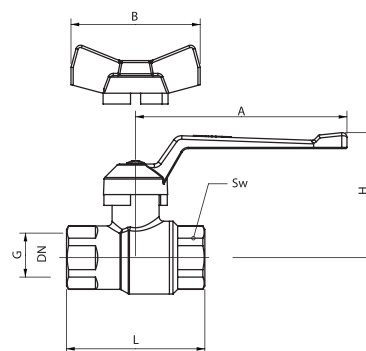


Technical data:

Body: 1 **2100** 01-06 forged brass acc. EN 12420, CW617, nickel-plated
1 **2100** 07-08 DZR Brass CC752S, nickel-plated
Ball: pressed brass, full bore, machined to a microsmooth, finish, chrome plated
Spindle: brass
Handle: Aluminium alloy, plastic red dipped
Sealing elements: PTFE-Polytetrafluoretylen (ball and spindle)
Connections: female thread acc. ISO228

	Order number	PN	DN	G	L	A	B	H	Sw	
lever handle	1 2100 09	63	8	1/4"	43	60	-	44	17	0.115 25
	1 2100 00	63	10	3/8"	45	60	-	46	21	0.140 25
	1 2100 01	50	15	1/2"	59	90	-	53	25	0.235 25
	1 2100 02	50	20	3/4"	65	90	-	57	32	0.355 25
	1 2100 03	50	25	1"	80	135	-	71	41	0.625 20
	1 2100 04	40	32	1-1/4"	91	135	-	75	48	0.965 16
	1 2100 05	40	40	1-1/2"	104	180	-	93	55	1.660 8
	1 2100 06	40	50	2"	125	180	-	101	70	2.720 4
	1 2100 07	16	65	2-1/2"	146	265	-	124	85	4.200 2
	1 2100 08	16	80	3"	179	265	-	134	105	6.200 2
T-handle	1 2100 19	63	8	1/4"	43	-	40	44	17	0.115 25
	1 2100 10	63	10	3/8"	45	-	40	46	21	0.140 25
	1 2100 11	50	15	1/2"	59	-	55	53	25	0.235 25
	1 2100 12	50	20	3/4"	65	-	55	57	32	0.355 25
	1 2100 13	50	25	1"	80	-	75	71	41	0.625 20
	1 2100 14	40	32	1-1/4"	91	-	75	75	48	0.965 16

T= from -30°C up to +150°C



Multifunction Ball Valve with Thermometer

2414 with red T-handle



2415 with blue T-handle

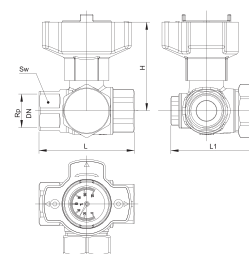


Technical data:

- 4-way ball valve of dezincification-resistant brass
- spindle sealing with PTFE and O-ring
- female thread according to ISO 228
- Connection for draining, or manometer.
- T-port of the ball allows for many applications, such as flushing or filling of full systems and parts of systems

Order number	PN	DN	Rp	Sw	L	L1	H	blue T-h.	red T-h.	
1 2414 02	25	20	3/4"	32	75	65	70		x	0.630 20
1 2415 02	25	20	3/4"	32	75	65	70	x		0.630 20
1 2414 03	25	25	1"	41	96	98	75		x	1.200 10
1 2415 03	25	25	1"	41	96	98	75	x		1.200 10
1 2414 04	25	32	1-1/4"	50	109	113	81		x	1.400 10
1 2415 04	25	32	1-1/4"	50	109	113	81	x		1.400 10

T min.= -10°C (short time -30°C), water 0.5°C
T max.= 130°C (short time 150°C), water 110°C



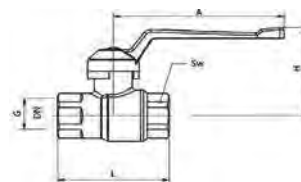
Ball Valve Heavy type

2190



Technical data:

- Body: 3 2190 01-06, Bronze CC491K
- Ball: Bronze, full bore, surface chrome plated
- Spindle: Bronze CC491K
- Lever: 3 2190 01 - 06, Aluminium red painted
- Sealing: Ball: PTFE, Spindle: EPDM



Order number	DN	G	PN	L	H	A	Sw
3 2190 01	15	½	50	59	53	90	25
3 2190 02	20	¾	50	65	56	90	32
3 2190 03	25	1	50	80.5	77	135	41
3 2190 04	32	1 ¼	40	81	81	135	48
3 2190 05	40	1 ½	40	95	95	180	55
3 2190 06	50	2	40	101	101	180	70

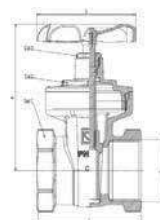
Gate Valve wedge and double disc version.

4113



Technical data:

- Body: Bronze CC491k
- Upper Part: Bronze CC491k
- HandWheel : Sheet Steel, Coated
- Seat : EPDM



Order number	DN	PN(bar)	Rp	D	H	L	SW1	SW2	SW3
3 4113 01	15	20	½	50	71.6	49.4	27	21	15
3 4113 02	20	20	¾	50	73.8	52.4	32	21	15
3 4113 03	25	20	1	60	84.3	61	39	26	15
3 4113 04	32	20	5/4	60	94	69.6	49	37	15
3 4113 05	40	20	6/4	80	115	74	55	41	21
3 4113 06	50	20	2	105	142.5	89	68	41	25



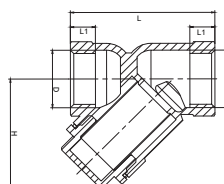
Strainer

2662



Technical data:

- Body: Bronze CC491k
- Mesh: Stainless steel Type 304
- Mesh size : 0.5mm
- Sealings: EPDM



Art.Nr.	PN(bar)	DN(mm)	D(mm)	L(mm)	L1(mm)	H(mm)
3 2662 01	20	15	½"	52	9	40
3 2662 02	20	20	¾"	67	11	52
3 2662 03	20	25	1"	81	12	59
3 2662 04	20	32	1 ¼"	90.5	15	70
3 2662 05	20	40	1 ½"	100	19.5	74.5
3 2662 06	20	50	2"	121.5	23	92

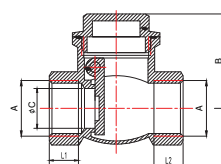
Swing Check Valve

2622



Technical data:

- Body: Bronze CC 491K
- Bonnet: Bronze CC 491K
- Disc : :Bronze CC 491K
- Seat: Bronze CC 491K
- Connection : female thread acc. ISO228

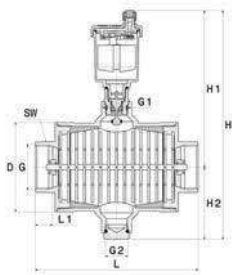


Art.Nr.	PN(bar)	DN(mm)	A(mm)	B(mm)	C(mm)	L1(mm)	L1(mm)
3 2622 01	20	15	½"	34.5	14	22.5	22.5
3 2622 02	20	20	¾"	37.5	17.5	17.5	17.5
3 2622 03	20	25	1"	45	23	16	16
3 2622 04	20	32	1 ¼"	50	27	13	13
3 2622 05	20	40	1 ½"	56	31	12	12
3 2622 06	20	50	2"	72	41.5	9.5	9.5

HVAC

Air Separator combined with automatic air vent

I 0124



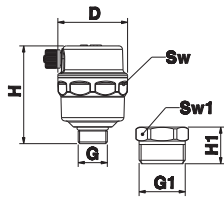
Technical data:

- Combined with automatic air vent
- Body of brass
- Nominal pressure: 12 bar
- Operating pressure: 6 bar
- Max. operating temperature: 110°C

Order number	G	D	L	L1	G1	G2	H	H1	SW	
I 0124 02	3/4"	83	170	18	1/2"	1/2"	214	67	38	1
I 0124 03	1"	83	151	16,5	1/2"	1/2"	214	67	38	1
I 0124 02	1 1/4"	83	151	16	1/2"	1/2"	214	67	47	1
I 0124 02	1 1/2"	83	154	17,5	1/2"	1/2"	214	67	54	1
I 0124 02	2"	83	155	17	1/2"	1/2"	214	67	66	1

Air Vents

2630 with fill and release valve



2630 with release valve



Technical data:

- Body of forged brass
- NBR seals (1 2630 00)
- Max. operating temperature: 80°C (1 2630 00)
- EPDM seals (1 2630 10)
- Max. operating temperature: 110°C (1 2630 00)

Order number	D	G	G1	H	H1	Sw1		Colour of the nut	Backflow preventer
1 2630 00	39	3/8	3/8	63	35	19	0.153	Black	Yes
1 2630 01	39	3/8	1/2	63	35	19	0.160	Black	Yes
1 2630 02	39	3/8	/	63	/	/	0.122	Black	No
1 2630 03	39	3/8	3/4	63	22	27	0.185	Black	No
1 2630 10	40	3/8	/	56	/	/	0.188	Red	No
1 2630 11	40	3/8	3/8	56	30	22	0.226	Red	Yes
1 2630 12	40	3/8	1/2	56	26	22	0.220	Red	Yes

Stop Valve

2621



Order number	PN	Dim.
1 2621 01	10	15

Brass body, with O-ring, PN 10, G 1/2.
Temperature range is from 0 °C to +100 °C.
Rp 1/2 – Rp 3/8.

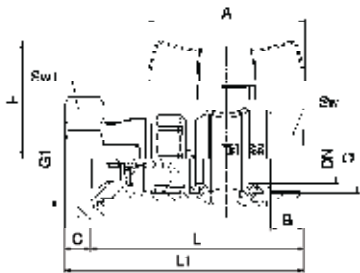


Ball Valve for pump with check valve

2268



- Technical data:**
- Body of forged brass
 - PTFE seals
 - Spindle seal with PTFE
 - Max. operating temperature: 150°C



Order number	PN	DN	G	G1	L	L1	A	B	C	H	Sw	Sw1	
1 2268 03	16	25	1"	1-1/2"	102	114,5	75	16	12,5	56	39	52	0,76

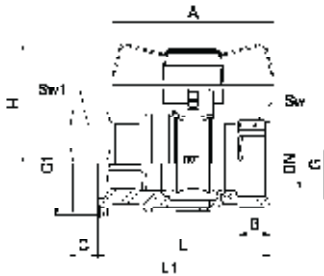
T = from -10 °C up to +110 °C

Ball Valve for pump

2269



- Technical data:**
- Body of forged brass
 - PTFE seals
 - Spindle seal with PTFE
 - Max. operating temperature: 150°C



Order number	PN	DN	G	G1	L	L1	A	B	C	H	Sw	Sw1	
1 2269 03	16	25	1"	1-1/2"	79,5	92,5	75	14	13	56	39	52	0,59

T = from -10 °C up to +110 °C

Check Valve and Pump Connection

2634

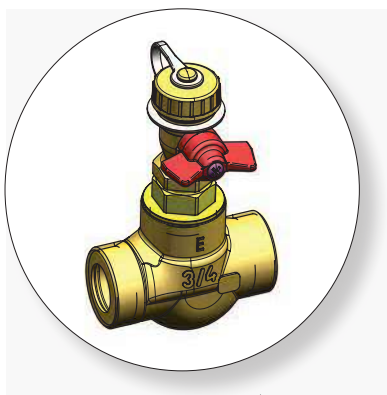


- Technical data:**
- Body of forged brass
 - EPDM seals
 - PN 25 / DN 20
 - Max. operating temperature: 90°C

Order number	PN	Dim.
1 2634 03	25	20

HVAC

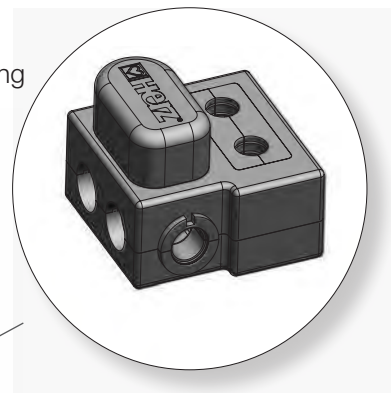
The integrated drain valve in the strainer allows for flushing the system without removing the strainer basket.



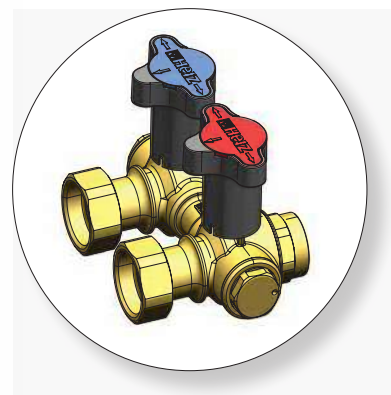
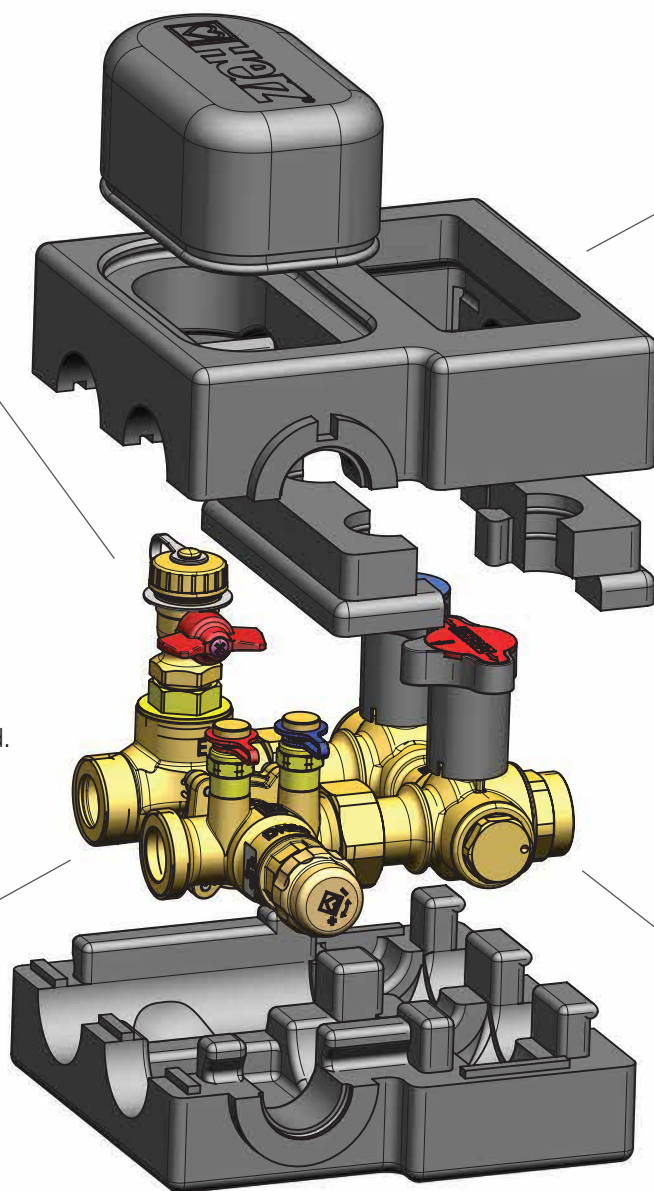
Isolation box (fire resistance)

Method	Class
DIN EN ISO 11925-2 ¹	E
DIN 4102-1	E
FMVSS 302	fulfilled
UL 94	HBF

¹ edge exposure, classification according to EN 13501-1



Turn 3 into 1: One valve for three requirements: DPCV, balancing, regulation. No calculation and verification of valve authority required.



HERZ multifunctional ball valves with red and blue handle, ball with T-bore. Full bore ball valve allows the drainage or filling of complete systems or a subsystem in case of maintenance.



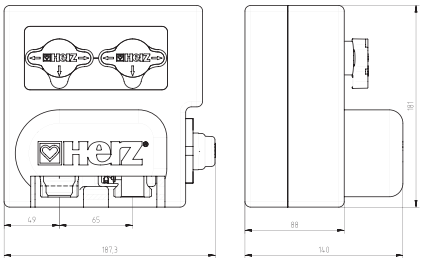
HerzCON

Pressure Independent Connect-4 with insulation

HerzCON



- Technical data:**
- Max. operating pressure: 25 bar
 - Min. operating temperature: - 20 °C
 - Max. operating temperature: 130 °C
 - Lift: 4 mm
- Materials:**
- Body: DZR
 - Membranes and O-rings: EPDM



DN15 - DN20



DN15 - DN20



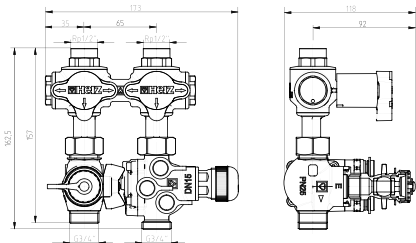
DN25



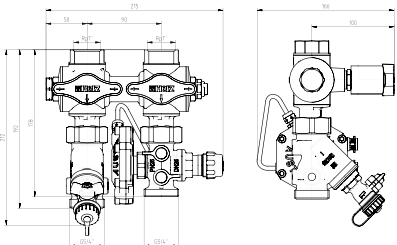
DN32

Order number	DN	Flow rate area (l/h)	Standard operation kvs [m³/h]	Bypass operation kvs [m³/h]	Insulation box
1 4600 50	15LF	07 - 120	0.20	4.8	yes
1 4600 59	15MF	11 - 190	0.34	4.8	yes
1 4600 76	15SF	72 - 800	1.65	4.8	yes
1 4600 56	15HF	80 - 1200	2.54	4.8	yes
1 4600 77	20SF	80 - 1200	2.46	5.4	yes
1 4600 57	20HF	108 - 2000	3.33	5.4	yes
1 4600 58	25	144 - 1900	2.75	10	yes
1 4600 54	32	180 - 2500	4.57	14.8	no

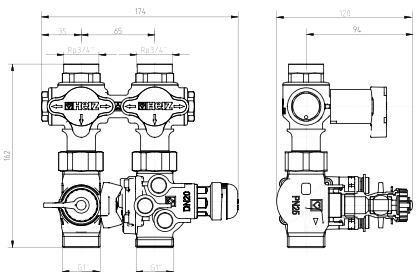
Watch YouTube presentation:



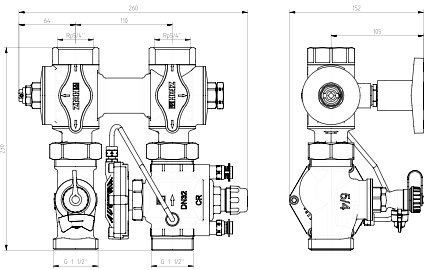
DN 15SF HF



DN25



DN 20SF HF



DN32

Connect-4

Pressure Independent Connect-4 without insulation PN 25

4600



HERZ Connect-4 has been designed to give a simple connection to fan-coils, or other terminal units, and utilises the HERZ 4206 SMART or HERZ 4206 Pressure Independent Balancing Control Valve with HERZ 2206 ball valves with T-handle and a HERZ 4111 strainer. On/off or modulating 0 – 10 V DC actuators can be fitted and integrated to a BMS if required.

The unit allows pressure independent control ensuring full stroke regardless of pressure fluctuations, while guaranteeing a constant flow rate to the terminal unit maximising energy efficiency for the system. The Connect-4 unit also permits flushing and isolating operations to be undertaken. The Connect-4 is fitted with test points.

The Connect-4 is fitted in a insulation box. This means there is no product differentiation between heating and chilled, one unit does both applications. The drain cock fitted to the strainer allows flushing without the need to remove the strainer basket and also allows the strainer basket to be cleaned in-situ.

Order number	Dim.	Kvs
1 4600 11	15	0.94
1 4600 12	20	1.71
1 4600 13	25	1.90
1 4600 14	32	2.50
1 4600 15	40	5.00
1 4600 16	50	5.00
1 4600 17	20	0.90

Fan Coil Connection Hose, insulated

HBD200



Order number	DN
H BD200 15	15
H BD200 20	20
H BD200 25	25
H BD200 32	32
H BD200 40	40
H BD200 50	50

Technical data:

- Hose Type: Braided flexible metal hose.
- Hose Material: Stainless Steel AISI 316L
- Braiding Material:Stainless Steel AISI 304
- Union:Carbon Steel St.37.2 & Dielectric. (FxF End connection)
- Insulation: EPDM, Rubber based.
- Pressure rating: PN25

Fan Coil Connection Hose, insulated

HB200



Order number	DN
H B200 15	15
H B200 20	20
H B200 25	25
H B200 32	32
H B200 40	40
H B200 50	50

Technical data:

- Hose Type: Standard braided metal hose acc. to DIN EN ISO 10380
- Hose Material: Stainless Steel AISI 316L, AISI 304, 321 also available upon request
- Temperature Range: Min. -270 °C up to max. 600 °C
- Union:Carbon Steel St.37.2 & Carbon Steel St.37.2 (FxF End connection)
- Insulation : Rubber based EPDM Insulation
- PN25 rated



Metal Expansion Joint

FM220



Order number	DN
F M220 01	65
F M220 02	80
F M220 03	100
F M220 04	125
F M220 05	150
F M220 06	200
F M220 07	250
F M220 08	300

Technical data:

- Bellow Material: Stainless Steel ANSI 304
- Flange: Carbon Steel St 37.2
- Layner (Optional): Stainless Steel ANSI
- Operating Pressure: PN16
- Operating Temperature: Max. 500°C

Rubber Expansion Joints



Order number	Diameter
FS 220 01	65
FS 220 02	80
FS 220 03	100
FS 220 04	125
FS 220 05	150
FS 220 06	200
FS 220 07	250
FS 220 08	300
FS 220 09	350
FS 220 10	400
FS 220 11	450
FS 220 12	500
FS 220 13	600

Technical data:

- Bellow Material: Special Synthetic Rubber
- Flange: Ductile Iron GGG 40.3
- Steel Wire: Carbon Steel
- Nylon braid fibre: Synthetic Fibre

Threaded Connection Elements with cone



Order number	Shoulder throw	Dim.
1 6209 03	5/4	1
1 6209 04	1 3/4	1 1/4
1 6210 00	5/8	3/8
1 6210 21	3/4	1/2
1 6210 26	3/4	1/2 x 26
1 6210 11	3/4	1/2 x 35
1 6210 02	1	3/4

Technical data:

Iron pipe connection with cone, nut and connection element.

Threaded Connection Elements with cone flat seal iron pipe connection

6220



Order number	Shoulder throw	Rp.
1 6220 00	G 5/8	3/8
1 6220 20	G 1/2	3/8
1 6220 21	G 3/4	1/2
1 6220 12	G 1	3/4
1 6220 64	G 1 1/2	1 1/4
1 6220 74	G 2	1 1/4
1 6220 75	G 2 1/4	1 1/2
1 6220 76	G 2 3/4	2

Technical data:

Iron pipe connection with flat seal with nut and seal, Rc for 4037, 7762, 7763, 7760.



Order number	Shoulder throw	Rp.
1 6220 11	G 3/4	1/2 x 38 mm
1 6220 22	G 1	3/4 x 44mm
1 6220 63	G 1 1/4	1
1 6220 65	G 1 3/4	1 1/2
1 6220 66	G 2 3/8	2

Technical data:

Iron pipe connection with flat seal with nut, connection element and seal. 4004, 4315, 4325, 4415, 4417, 4207, 7761, 7217, 4216, 7766.

HVAC

Plastic Pipe Connections for PE-X, PE-RT, PB and Aluminium Composite Pipes

6098



Order number	Dim.
1 6098 18	10 x 1.3
1 6098 02	14 x 2
1 6098 16	15 x 2.5
1 6098 03	16 x 2
1 6098 13	16 x 2.25
1 6098 04	17 x 2
1 6098 05	17 x 2.5
1 6098 07	18 x 2
1 6098 06	18 x 2.5
1 6098 17	18 x 3
1 6098 08	20 x 2
1 6098 20	20 x 2.25
1 6098 10	20 x 3.5
1 6098 11	20 x 2.5
1 6098 09	20 x 2.8
1 6098 19	20 x 3.4

Technical data:

Plastic Pipe Connections 3/4 For PE-X, PB and aluminium composite pipes, consisting of spigot, olive and union nut G 3/4. With cone.

6066



Order number	Dim.
1 6066 02	14 x 2
1 6066 03	16 x 2
1 6066 04	17 x 2

Technical data:

Plastic Pipe Connections M 22 x 1.5 For PE-X, PB and aluminium composite pipes, consisting of spigot, olive and union M 22 x 1.5.

6092



Order number	Dim.
1 6092 11	12 x 2
1 6092 12	14 x 2
1 6092 13	16 x 2

Technical data:

Plastic Pipe Connection G 1/2 with double O-Ring and insulating disc, consisting of spigot, and olive and union nut G 1/2 with cone.

6198



Order number	Dim.
1 6198 11	16 x 2
1 6198 12	20 x 2
1 6198 00	25 x 3.5
1 6198 01	26 x 3

Technical data:

Plastic Pipe Connections G 1. For PE-X, PB and aluminium composite pipes, consisting of spigot, olive and union nut G 1 with cone.



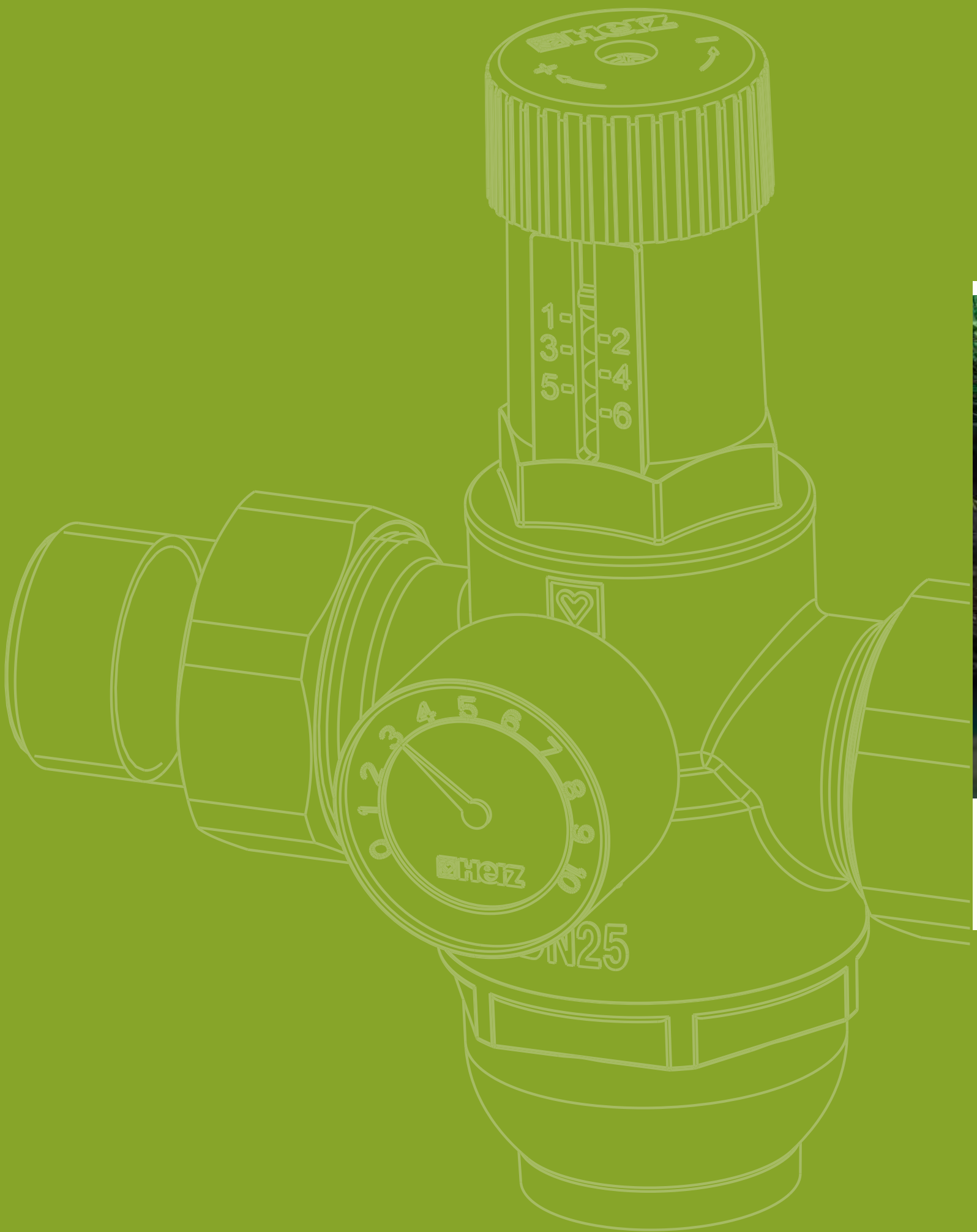
PERT Pipe



Order number	Dim.
U 1622 40	16 x 2
U 1624 80	16 x 2
U 1626 00	16 x 2
U 1722 40	17 x 2
U 1724 80	17 x 2
U 1726 00	17 x 2
U 1822 40	18 x 2
U 1824 80	18 x 2
U 2022 40	20 x 2
U 2024 80	20 x 2

Technical data:
HERZ-LINE PE-RT 5-layered pipe
High-safety pipe, impermeable to oxygen due to EVOH layer according to DIN 4726, PE external sheath for protection of the EVOH oxygen barrier layer against mechanical damage.
Manufactured according to EN ISO 22391.
Colour: Red.

HVAC





02/ Water

Each drop counts

WATER

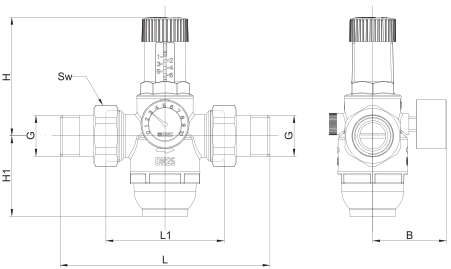
Diaphragm Pressure Reducer

2682



Technical data:

- Compact shape
- Body of dezincification-resistant brass
- Cap of transparent plastic
- Filter key and manometer included
- Temperature range from 0°C to 40°C
- Operating pressure: 16 bar
- Setting range from 1.5 to 6 bar
- Stainless steel strainer mesh with 0.3 mm mesh width



Model	Dimension	PN	DN	G	L (mm)	L1 (mm)	B (mm)	H (mm)	H1 (mm)	Sw
1 2682 11	1/2"	16	15	1/2"	147	84	67	98	66	30
1 2682 12	3/4"	16	20	3/4"	155	84	67	98	66	37
1 2682 13	1"	16	25	1"	185	98	67	98	66	46
1 2682 14	1-1/4"	16	32	1-1/4"	204	120	78	156	100	52
1 2682 15	1-1/2"	16	40	1-1/2"	224	122	78	156	100	60
1 2682 16	2"	16	50	2"	252	136	78	156	100	75
1 2682 21	1/2"	16	15	1/2"	147	84	67	98	66	30
1 2682 22	3/4"	16	20	3/4"	155	84	67	98	66	37
1 2682 23	1"	16	25	1"	185	98	67	98	66	46
1 2682 24	1-1/4"	16	32	1-1/4"	204	120	78	156	96	52
1 2682 25	1-1/2"	16	40	1-1/2"	224	122	78	156	96	60
1 2682 26	2"	16	50	"	252	136	78	156	96	75

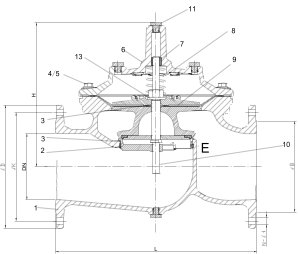
Flanged Pressure Reducing Valve

HVPRVF



Technical data:

- Size: DN50 to DN300
- Pressure Rating: PN16 (PN25 available on request)
- Outlet Pressure: 1-10 Bar
- Working Temperature: -10°C to 80°C
- End Connection: EN1092-2, PN16
- Purpose requirement : BS EN1074-5
- Valve Testing: BS EN12266-1
- Face to Face: BS EN558-1
- Epoxy coated



Order number	DN	L	ØD	ØK	H	N-Ød	ØB
HVPRVF 00	50	230	165	125	177	4-Ø19	Ø99
HVPRVF 01	65	290	185	145	202	4-Ø19	Ø118
HVPRVF 02	80	310	200	160	219	8-Ø19	Ø132
HVPRVF 03	100	350	220	180	243	8-Ø19	Ø156
HVPRVF 04	125	400	250	210	243	8-Ø19	Ø156
HVPRVF 05	150	480	285	240	333	8-Ø23	Ø211
HVPRVF 06	200	600	340	295	428	8-Ø23	Ø266
HVPRVF 07	250	730	405	355	478	8-Ø28	Ø319
HVPRVF 08	300	850	460	410	538	8-Ø28	Ø370

Test Point

0284



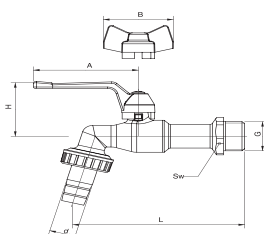
Order number	Dim.
2 0284 20	1/4

Test Points with draining function Brass version, green cap, with swivel hose connection. Test point for flow computer.



Drain valve with connection for hose

2503

**Technical data:**

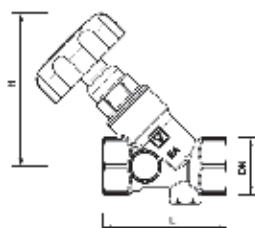
- Forged brass body
- Nickel-plated
- Seals of PTFE and NBR
- Suitable for use in horticultural, hydro and sanitary systems
- Temperature range from 0°C to +90°C

Order number	PN	DN	G	L	d	A	B	H	Sw		
1 2503 01	16	10	1/2"	98	15	60	-	38	25	0.205	25
1 2503 02	16	15	3/4"	103	19	60	-	41	30	0.260	25

T = from 0 °C up to +90 °C

Backflow preventer

4126

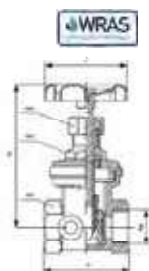
**Technical data:**

- Max. pressure: 16 bar
- Max. pressure on the closed valve: 10 bar
- Operating pressure from the backflow preventer: according to DIN EN 13959
- Max. operating temperature: 80°C
- Max. temperature: 95°C not longer than 1 hour
- Valve getting closed right-turned

Order number	DN	L	H	Rp
2 4126 01	15	65	82	1/2
2 4126 02	20	75	92	3/4
2 4126 03	25	90	150	1
2 4126 04	32	110	118	1 1/4
2 4126 05	40	120	127	1 1/2
2 4126 06	50	150	155	2

Gate Valve with non-rising spindle

4113

**Materials:**

- Body: DZR (CW 602N)
- Upper part: DZR (CW 602N)
- Handwheel: sheet steel, coated
- Sealing: EPDM

Technical data:

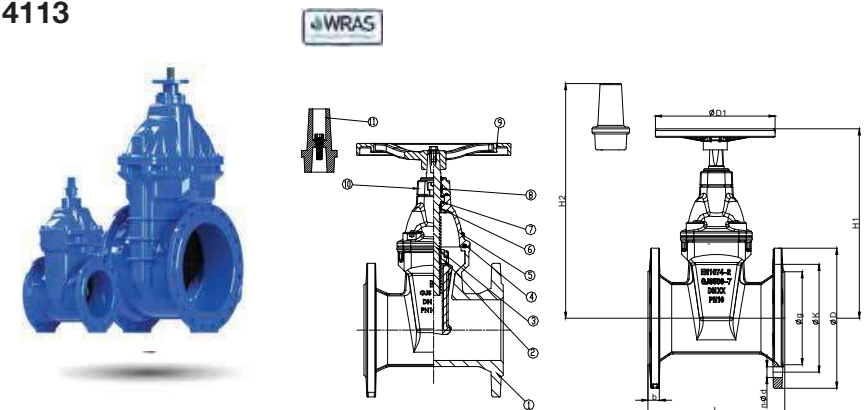
- Max. operating temperature: 120°C
- Connection thread: ISO 7-1 Rp
- PN20 rated

Order number	DN	Rp	SW1	SW2	SW3	D	H	L
HV5520 01	15	1/2	27	21	15	50	85	49.4
HV5520 02	20	3/4	32	21	15	50	89.5	52.4
HV5520 03	25	1	39	26	15	60	105.9	61
HV5520 04	32	1 1/4	49	37	15	60	126	69.6
HV5520 05	40	1 1/2	55	41	21	80	143.4	74
HV5520 06	50	2	68	41	25	105	176.5	89

WATER

Flanged Gate Valve

4113



Technical data:

- Temperature range : -10°C ... +80°C
- Pressure rate : PN16
- Flange Dimensions: according to EN1092-2
- Design standard: BS 5163;EN1074-2;BS 1171
- Coating: 250 µm epoxy coated

Order number	DN
4 4113 71	65
4 4113 72	80
4 4113 73	100
4 4113 74	125
4 4113 75	150
4 4113 76	200
4 4113 77	250
4 4113 78	300
4 4113 79	350
4 4113 80	400
4 4113 81	450
4 4113 82	500
4 4113 83	600

Butterfly Valve, semi lugged version

4219 ZF



Materials:

- Housing: GG, GJL-250/JL1040, according to EN1561
- Disc: stainless steel 1.4408
- Spindle: stainless steel ASTM-A276 / Type 316
- Lever DN50-150: steel, ST14.03
- Gear DN200-300: steel, S235 DIN2458/1626
- Housing sealing: EPDM according to ISO 1691
- O-Ring: EPDM according to ISO 1691
- Flange: according to EN1092-2
- Available in PN16/PN25 rated models

Order number	DN	PN16	A	B	L	D	E	F		Torque
HVBFSLL 50	50	+	68	125	43	30	255	112	3.8	20
HVBFSLL 65	65	+	80	150	46	30	255	112	4	20
HVBFSLL 80	80	+	87	157	46	30	255	112	4.7	25
HVBFSLL 100	100	+	102	182	52	30	255	112	6.3	50
HVBFSLL 125	125	+	120	201	56	30	255	112	8.3	50
HVBFSLL 150	150	+	132	214	56	30	255	112	10.1	90
HVBFSLG 200	200	+	167	245	60	95	365	88	16.6	150
HVBFSLG 250	250	+	197	283	68	133	519	130	24.5	250
HVBFSLG 300	300	+	222	308	78	133	519	130	37.6	350



Butterfly Valve, fully lugged version

4219 AF



Materials:

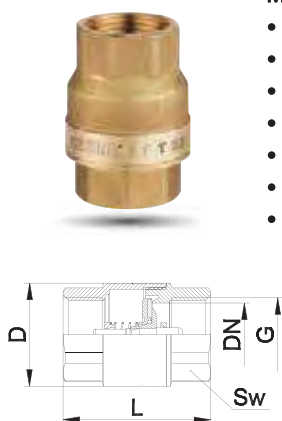
- Housing: GGG, GJS-400-15/JS1030, according to EN1563
- Disc: stainless steel 1.4408
- Spindle: stainless steel ASTM-A276 / Type 316
- Lever DN50-150: steel, ST14.03
- Gear DN200-300: steel, S235 DIN2458/1626
- Housing sealing: EPDM according to ISO 1691
- O-Ring: EPDM according to ISO 1691
- Available in PN16/PN25 rated models

Order number	DN	PN16	A	B	L	D	E	F		Torque
HVBFFLL 50	50	+	68	125	43	30	255	112	3.8	20
HVBFFLL 65	65	+	80	150	46	30	255	112	4	20
HVBFFLL 80	80	+	87	157	46	30	255	112	4.7	25
HVBFFLL 100	100	+	102	182	52	30	255	112	6.3	50
HVBFFLL 125	125	+	120	201	56	30	255	112	8.3	50
HVBFFLL 150	150	+	132	214	56	30	255	112	10.1	90
HVBFFLG 200	200	+	167	245	60	95	365	88	16.6	150
HVBFFLG 250	250	+	207	283	68	133	519	130	24.5	250
HVBFFLG 300	300	+	222	308	78	133	519	130	37.6	350

Check Valve

2622

ZAG



Materials:

- Body: forged brass (CW617N) acc. EN 12420
- Seat: brass (CW614N) acc. EN 12164
- Holder: brass (CW614N) acc. EN 12164
- Spindle: brass (CW614N) acc. EN 12164
- Sealing: EPDM
- Spring: stainless steel (AISI 302) 1.4310
- Connections: female thread acc. ISO228

Technical data:

- Operating pressure: depending on dimension, see table above
- Operating temperature range: -10 °C up to 120°C (water 0.5°C - 95°C, no steam)
- Medium: water, compressed air, etc. (non-aggressive mediums)

Order number	PN	DN	G	L	D	SW	Kvs	W
1 2622 41	25	15	1/2	47	29	25	2.9	0.104
1 2622 42	25	20	3/4	52	38	31	6.0	0.174
1 2622 43	25	25	1	62	48	38	10.2	0.285
1 2622 44	25	32	1 1/4	65	56	47	14.4	0.404
1 2622 45	25	40	1 1/2	73	69	54	26.2	0.698
1 2622 46	25	50	2	80	53	66	38	0.988

WATER

Strainer, Mesh Width 0.5 mm

2662



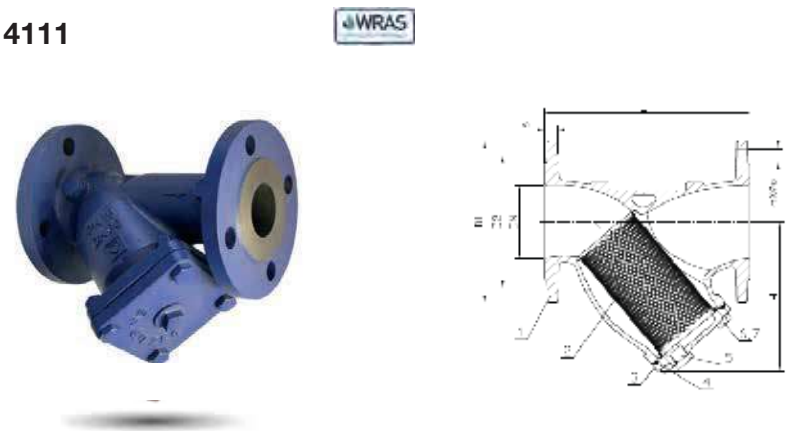
Order number	DN	PN	G	L	H	SW1	SW2	Kvs	Max. operating temp.
1 2662 11	15	25	1/2	68	37	25	22	3.10	110 °C
1 2662 12	20	25	3/4	90	46	32	24	6.30	110 °C
1 2662 13	25	25	1	90	55	41	25	10.40	110 °C
1 2662 14	32	25	1 1/4	93	62	47	32	16.5	110 °C
1 2662 15	40	25	1 1/2	105	69	54	36	27.4	110 °C
1 2662 16	50	25	2	125	83	67	46	36.7	110 °C

Technical data:

- Body: CW617N
- Mesh: expanded metal, rhombic mesh, Stainless steel 1.4301, Mesh size 0,5 mm
- Sealings EPDM according KTW, WRAS and DVGW W270

Strainer, Y - Type

4111



Order number	DN
4 4111 71	65
4 4111 72	80
4 4111 73	100
4 4111 74	125
4 4111 75	150
4 4111 76	200
4 4111 77	250
4 4111 78	300

Technical data:

- Temperature range : -10°C - 80°C
 - Pressure rate : PN16
 - Flange Dimensions: according to EN1092-2
 - Coating: powder epoxy coated, painted blue RAL5000
- For hot and cold water systems for fluids excluding acid and flammable fluids.The use of ethylene or propylene glycol in a mixing ratio 25- 50% is allowed.



Backflow Preventer

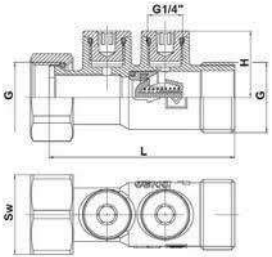
2623



Technical data:

- Max. operating pressure: 16 bar
- Max. operating temperature: 95 °C
- Min. operating temperature: -10 °C, Water 0.5 °C
- Media: clear liquids

Order number	Dim.	DN	G	L	L1	H	Sw
1 2623 02	3/4	20	3/4	69.5	84	25	30
1 2623 03	1	25	1	74.5	84	27.5	36
1 2623 04	1 1/4	32	1 1/4	91	98	33	46



Compact Distributors for Sanitary Installation DN 20

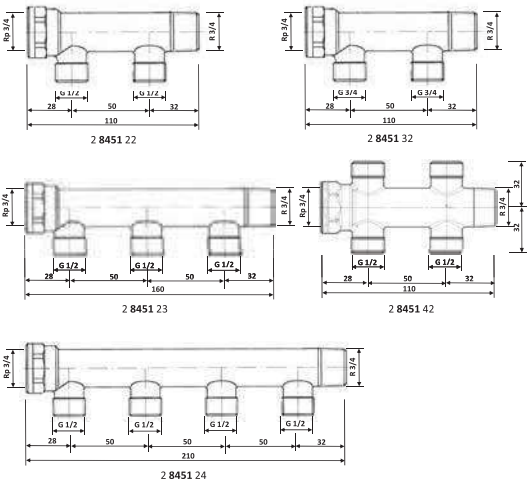
8451



Technical data:

- Material: CC752S, (CuZn35Pb2Al-C), Hygienic drinking water suitable material for product group B and C, according ÖNORM B5014-3.
- Max. working temperature: 110°C
- Min. working temperature: 10°C
- Max. Pressure: 10 bar

Order number	Dim.
2 8451 22	with 2 outlets
2 8451 23	with 3 outlets
2 8451 24	with 4 outlets
2 8451 32	with 2 outlets
2 8451 42	with 4 outlets



Wall-Angles with female thread

T 3124

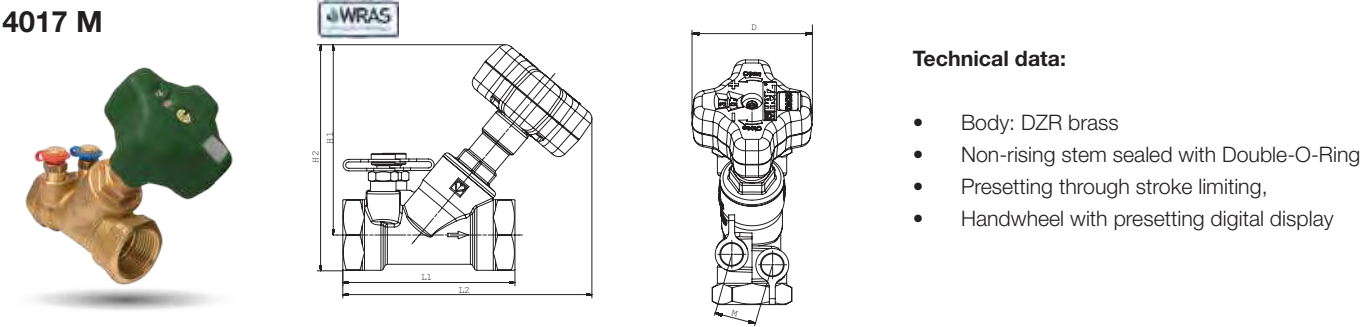


Order number	G	Rp
T 3124 14	1/2	1/2
T 3126 14	3/4	1/2
T 3126 15	3/4	3/4

WATER

Balancing Valves for hydronic balancing in drinking water installations

4017 M



Technical data:

- Body: DZR brass
- Non-rising stem sealed with Double-O-Ring
- Presetting through stroke limiting,
- Handwheel with presetting digital display

Order number	DN	L1	L2	H1	H2	M	D	Kvs valve	Kvs Orifice
2 4017 00	15 LF	83	129	96	109	25	70	0.46	0.48
2 4017 09	15 MF	83	129	96	109	25	70	0.88	0.97
2 4017 01	15	83	129	96	109	25	70	2.00	1.95
2 4017 02	20	91	135	99	115	25	70	3.60	3.95
2 4017 03	25	110	146	109	130	25	70	6.50	7.90
2 4017 04	32	122	159	117	142	25	70	13.30	15.75
2 4017 05	40	135	178	136	163	25	70	18.50	21.50
2 4017 06	50	164	197	140	175	25	70	33.00	46.70

Ball Valves for flush mounting

2202 with female thread 2202 with lever handle



Technical data:

- Body: forged brass acc. to EN 12420, CW617N
- Ball: forged brass acc. to EN 12420, full bore, hard chrome plated, CW617N
- Spindle: turned brass acc. to EN 12164, CW614N
- Handle: Zamak 410 - chrome plated
- Connectors: Female thread acc. ISO 228
- Ball seals: PTFE
- Spindle seals: EPDM 70 ShA

Order number	PN	DN	G	L	A	B	Hmin	Hmax	Sw		
1 2202 01	16	15	1/2"	59	24	-	25	40	25	0.230	25
1 2202 02	16	20	3/4"	65	24	-	30	45	32	0.345	25
1 2202 11	16	15	1/2"	59	-	40	25	40	25	0.240	25
1 2202 12	16	20	3/4"	65	-	40	30	45	32	0.355	25

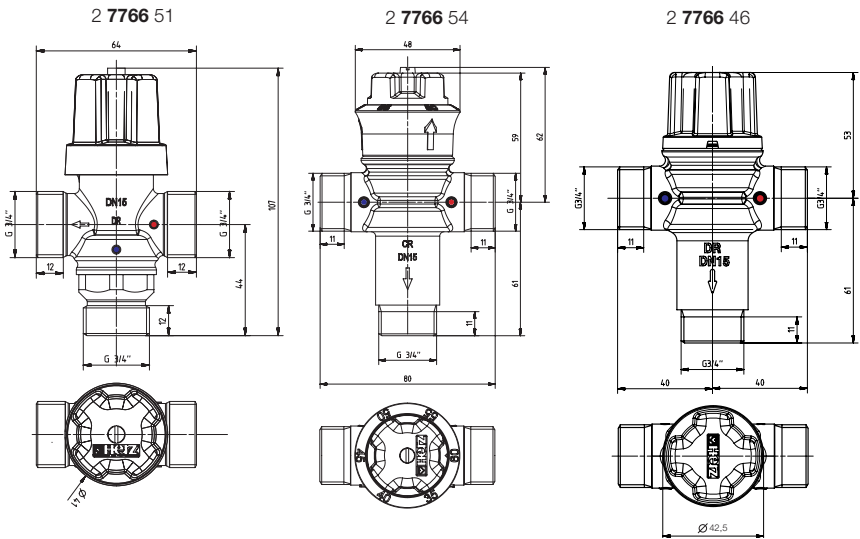
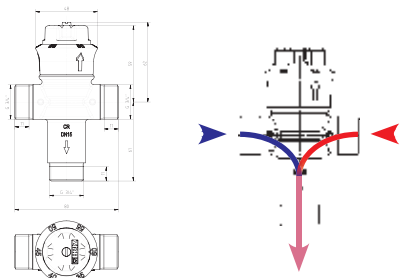


Mixing Valves for drinking water

7766



HERZ drinking water mixing valve TMV 2
with bottom mixing outlet 42 l/min at 3 bar water pressure, minimum water flow 4 l/min. Factory setting 45 °C
Setting range 35 - 50 °C +/- 2 K.



Pressure Relief Safety Valve

2611 -2613



2604 - 2689



Order number	PN	Dim.	Boiler output
1 2611 01	2.5	15	50 kW
1 2612 01	3	15	50 kW
1 2613 01	6	15	50 kW
1 2604 02	2.5	20	100 kW
1 2605 02	3	20	100 kW
1 2606 02	6	20	100 kW
1 2607 03	2.5	25	200 kW
1 2608 03	3	25	200 kW
1 2667 03	6	25	200 kW
1 2687 03	8	25	200 kW
1 2609 04	2.5	32	350 kW
1 2610 04	3	32	350 kW
1 2669 04	6	32	350 kW
1 2689 04	8	32	350 kW

2611 - 2613
Body made of forged brass, EPDM Diaphragm, cap seals and plastic. Temperature range is from 0°C to +110°C. For boiler output to 50 kW, DN 15. According to TÜV.

2604 - 2606
Body made of forged brass, EPDM Diaphragm, cap seals and plastic. Temperature range is from 0°C to +110°C. For boiler output to 100 kW, DN 15.

2607 - 2687
For boiler output to 200 kW, DN 25.

2609 - 2689
For boiler output to 350 kW, DN 32.

HVAC

Water

WATER

Angle Valves

1 2550 01



1 2552 01



1 2553 01



1 2554 01



HERZ angle valves for potable water have to be used as shut off elements. Field of application are water installations where we need to connect plumbing fittings, flow meter heaters. Angle valves are used wherever the medium flow has to be reliably closed. Angle valve should not be used as regulating element so it has to be fully opened or fully closed (the handle should not be in intermediate position). Angle ball valve 1 2553 01 and 1 2554 01 have integrated filter that allows water filtration.

Taps



- Materials:**
- Brass
 - Chromed
 - Outlet with strainer
 - Outlet distance 95 mm



- Materials:**
- Brass
 - Chromed
 - Hose connection
 - Outlet distance 95 mm



- Materials:**
- Brass
 - Chromed
 - Hose connection
 - Outlet distance 30 mm

Order number
U H100 52
U H101 51
U H101 52



HVAC

Water

Plastic Composite Pipe PE-RT



Order number	Aluminium wall thickness (mm)	Diameter Wall thickness (mm)	Item Rolls (m)
3 C160 20	0.4	16 x 2	200
3 C200 20	0.4	20 x 2	100
3 C260 30	0.5	26 x 3	50
3 C320 30	0.5	32 x 3	50
3 C400 30	0.5	40 x 3.5	50

Order number	Aluminium wall thickness (mm)	Diameter Wall thickness (mm)	Item Rolls (m)
3 C160 22	0.25	16 x 2	100
3 C200 30	0.25	20 x 2	100

Order number	Aluminium wall thickness (mm)	Diameter Wall thickness (mm)	Item Rolls (m)
3 C101 30	0.2	10 x 1.3	250
3 D160 20	0.2	16 x 2	200



Order number	Aluminium wall thickness (mm)	Diameter Wall thickness (mm)	Item Rods (m)
3 C160 34	0.4	16 x 2	5
3 C200 34	0.4	20 x 2	5
3 C260 35	0.5	26 x 3	5
3 C320 35	0.5	32 x 3	5
3 C400 36	0.5	40 x 3.5	5
3 C500 40	0.6	50 x 4	5
3 C630 45	0.8	63 x 4.5	5
3 C750 50	0.8	75 x 5	5

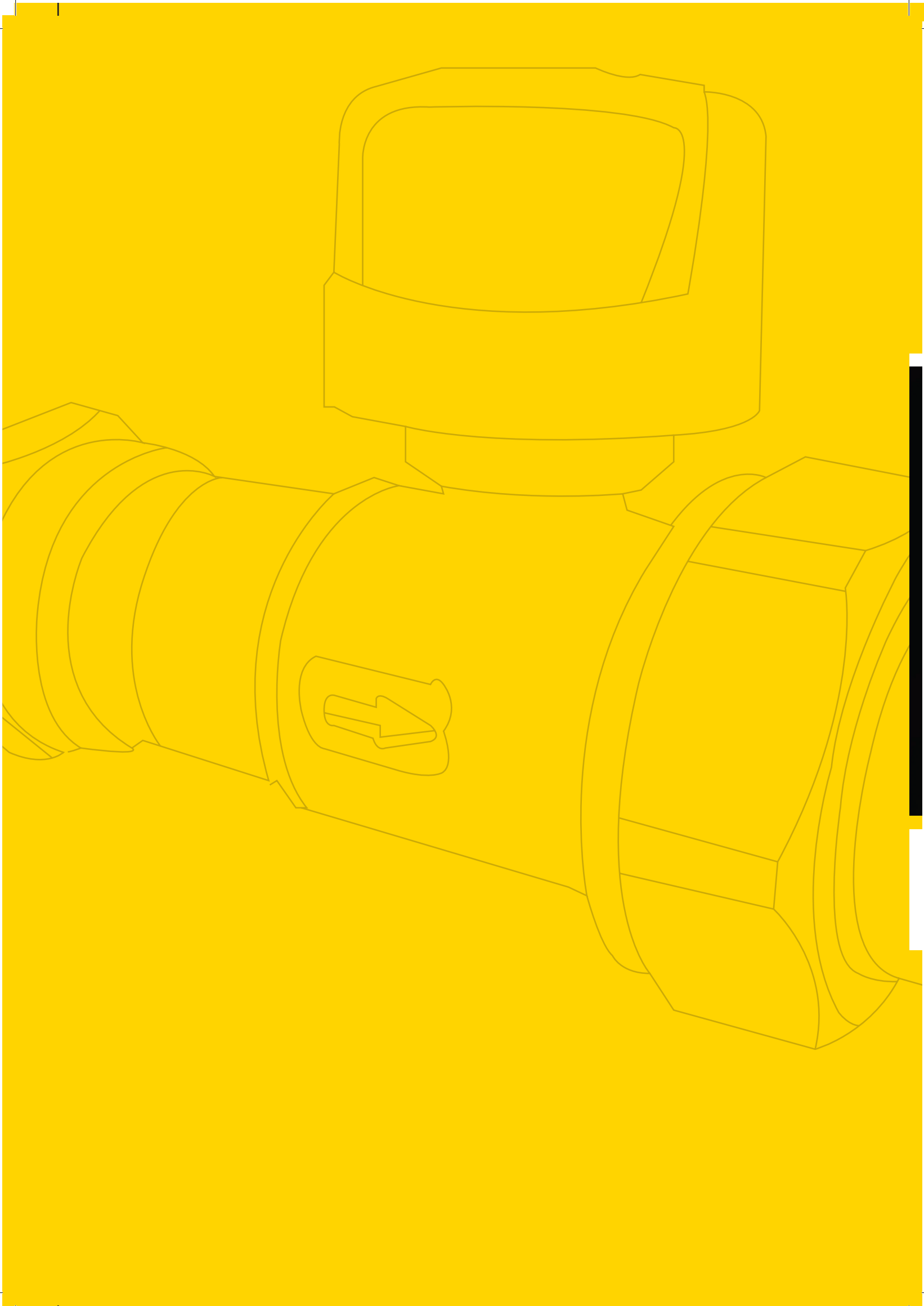
Plastic composite pipe PE-RT/ Al/PE-RT. Multilayer pipe for complex installation tasks in heating, air conditioning and plumbing installations. System tested with HERZ-PIPEFIX press fittings or connectors. Delivered in coils. WRAS approved.

Plastic Composite Pipe PE-RT, with Insulation



Order number	Insulation wall thickness (mm)	Diameter Wall thickness (mm)	Item Rolls (m)
3 C160 06	6	16 x 2	100
3 C200 06	6	20 x 2	50
3 C260 06	6	26 x 3	50
3 C320 06	6	32 x 3	25
3 C160 09	9	16 x 2	100
3 C200 09	9	20 x 2	50
3 C260 09	9	26 x 3	50
3 C320 09	9	32 x 3	25
3 C160 13	13	16 x 2	50
3 C200 13	13	20 x 2	50
3 C260 13	13	26 x 3	25
3 C320 13	13	32 x 3	25

Heating and plumbing pipes with heat-insulation from LDPE foam with PP coating. Thermal conductivity of 0.04 W/mK as per DIN EN 8497. Reaction to fire according to DIN 4102 B1. CFC and HCFC free. Water vapor diffusion number ≥ 6000 to 52 615 DSIN. Outer casing white, black lettering.

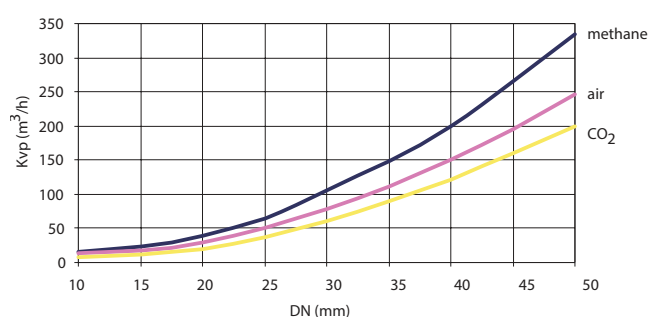
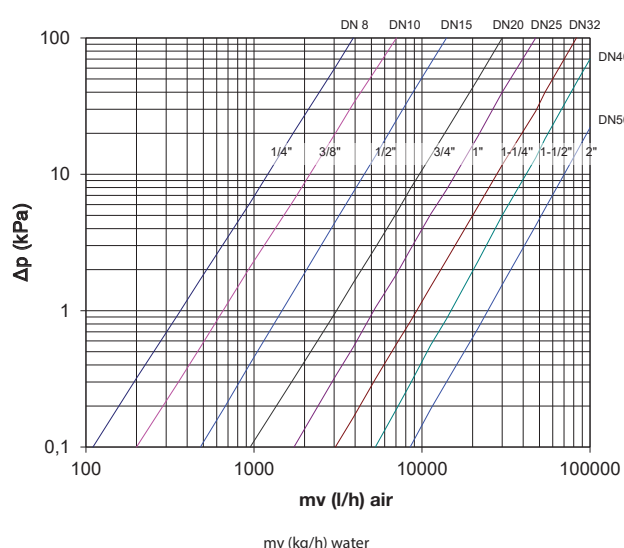
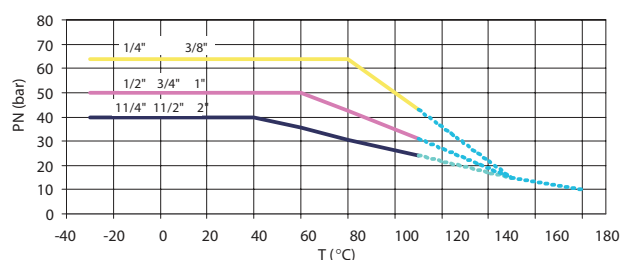
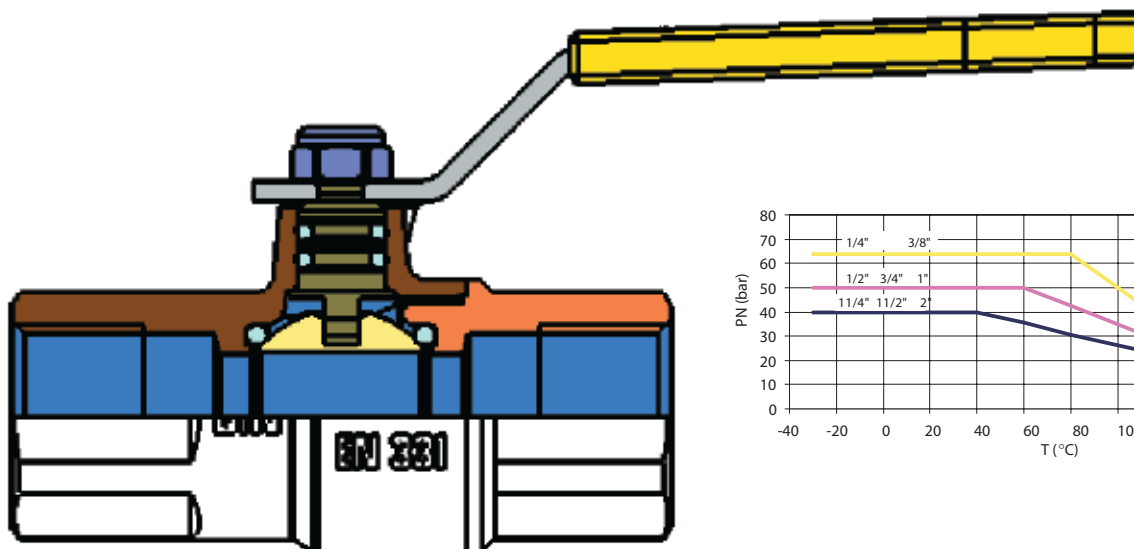




03/ Gas

Quality material, responsible use

GAS



DN	8	10	15	20	25	32	40	50
Kv	3,9	7,1	17	34	55	102	165	270
Kvp	3,6	6,6	15,8	31,5	51	95	153	250

Kv: outflow characteristic (m³/h) - is the flow of water at temperature 15.5°C, a pressure drop of 1 bar (100 kPa) and a fully open valve.

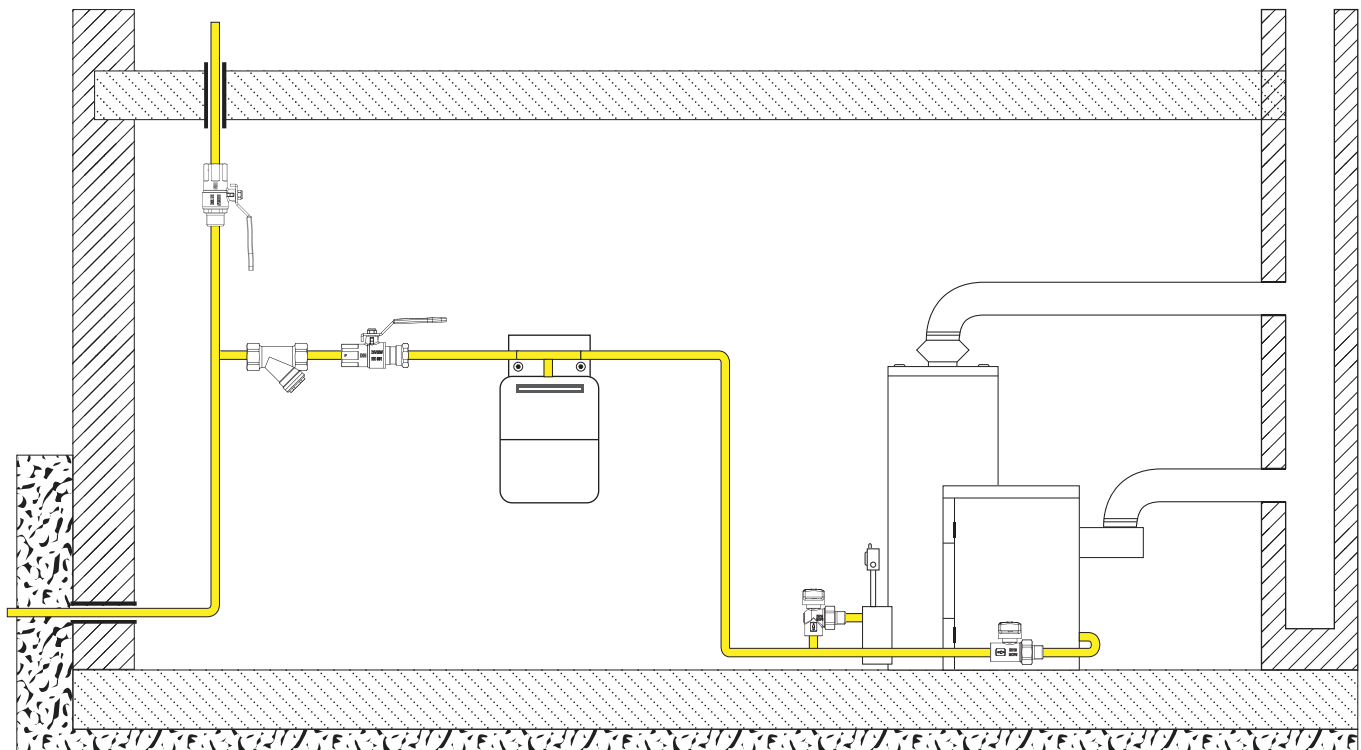
Kvp: Outflow characteristic (m³/h) - is the flow of air with density of 1,16 kg/m³ at temperature 15.5°C, a pressure drop of 1 mbar (0,1 kPa) and a fully open valve.

Ball valve for gas is a fitting with unreduced flow, which can be installed into the gas installations with low pressure (in accordance with DIN-DVGW - Table G. 260).

Field of application is in the systems where the medium are explosive combustible gases (natural gas, petroleum gas etc.) up to max. working pressure of 500 kPa (5 bar) and the temperature range of -20°C up to + 60°C (certified according to DIN-DVGW under No. 01-0504-GNE).

These valves are also suitable for general usage (also for other mediums – oil, water, air...) due to standard construction design. In this case, the temperature range is from -20°C up to + 110°C (water 0°C up to 110 °C) and working pressure up to max. 2500 kPa (25 bar) – according to the PN-T diagram.

In case of fire, ball valves that have integrated TAS cartridge are sealed up to 925°C for at least one hour.



HVAC

Water

Ball Valve for gas

2300 with steer level

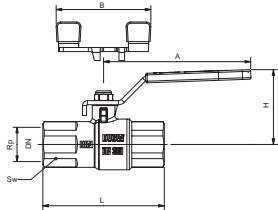
2300 with steel T-handle



Technical data:

- Body of brass according to EN 12165
- With O-ring seal for ball and spindle
- Threaded sockets on both sides.
- Suitable for gas installations according to DIN DVGW G 260
- Nominal pressure: PN 1 (HTB 650°C/30 min)
- Operating temperature: -20°C to +60°C

Order number	MOP	PN*	DN	Rp	L	A	H	Sw
1 2300 09	5	1	8	1/4"	55	70	41	17
1 2300 00	5	1	10	3/8"	60	70	41	21
1 2300 01	5	1	15	1/2"	75	90	43	26
1 2300 02	5	1	20	3/4"	80	90	47	32
1 2300 03	5	1	25	1"	90	135	72	41
1 2300 04	5	1	32	1 1/4"	110	135	75	50
1 2300 05	5	1	40	1 1/2"	120	180	82	55
1 2300 06	5	1	50	2"	140	180	89	70
1 2300 19	5	1	8	1/4"	55	60	41	17
1 2300 10	5	1	10	3/8"	60	60	41	21
1 2300 11	5	1	15	1/2"	75	60	43	26
1 2300 12	5	1	20	3/4"	80	60	47	32
1 2300 13	5	1	25	1"	90	85	72	41
1 2300 14	5	1	32	1 1/4"	110	85	75	50



T = from -20 °C up to +60 °C
**HTB 650 °C - fireproof (30 min)

Gas

GAS

Ball Valve for gas

2301 with steer level



2301 with steel T-handle

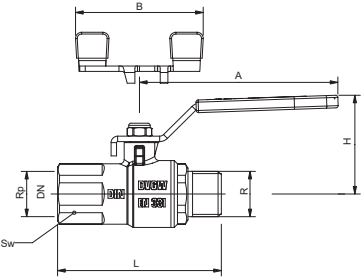


- Technical data:
- Body of brass according to EN 12165
 - With O-ring seal for ball and spindle
 - Threaded sockets on both sides
 - Suitable for gas installations according to DIN DVGW G 260
 - Nominal pressure: PN 1 (HTB 650°C/30 min)
 - Operating temperature: -20°C to +60°C

Order number	MOP	PN*	DN	Rp - R	L	A	H	Sw
1 2301 09	5	1	8	1/4"	55	70	41	17
1 2301 00	5	1	10	3/8"	60	70	41	21
1 2301 01	5	1	15	1/2"	75	90	43	26
1 2301 02	5	1	20	3/4"	80	90	47	32
1 2301 03	5	1	25	1"	90	135	61	41
1 2301 04	5	1	32	1 1/4"	110	135	66	50
1 2301 05	5	1	40	1 1/2"	120	180	86	55
1 2301 06	5	1	50	2"	140	180	90	70
1 2301 19	5	1	8	1/4"	55	60	41	17
1 2301 10	5	1	10	3/8"	60	60	41	21
1 2301 11	5	1	15	1/2"	75	60	43	26
1 2301 12	5	1	20	3/4"	80	60	47	32
1 2301 13	5	1	25	1"	90	85	61	41
1 2301 14	5	1	32	1 1/4"	110	85	66	50

T = from -20 °C up to +60 °C

*HTB 650 °C - fireproof (30 min)



Ball valves for gas

2302 with steel lever



2302 with steel T-handle

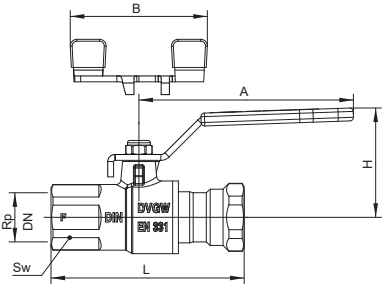


- Technical data:
- Body of brass according to EN 12165
 - With O-ring seal for ball and spindle
 - Threaded sockets on both sides
 - Suitable for gas installations according to DIN DVGW G 260
 - Nominal pressure: PN 1 (HTB 650°C/30 min)
 - Operating temperature: -20°C to +60°C

Order number	MOP	PN*	DN	Rp	L	A	H	Sw		
1 2302 01	5	1	15	1/2"	98	90	45	26	0.400	25
1 2302 02	5	1	20	3/4"	107	90	49	32	0.600	25
1 2302 03	5	1	25	1"	133	135	66	41	1.250	20
1 2302 11	5	1	15	1/2"	98	60	45	26	0.400	25
1 2302 12	5	1	20	3/4"	107	60	49	32	0.600	25
1 2302 13	5	1	25	1"	133	85	66	41	1.250	20

T = from -20 °C up to +60 °C

*HTB 925 °C - fireproof (60 min)





Ball Valve for gas

2303 with steer level



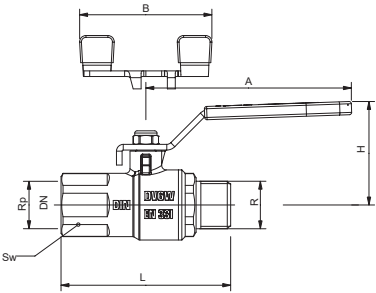
2303 with steel T-handle



- Specifications:**
- Body of brass according to EN 12165
 - With O-ring seal for ball and spindle
 - Threaded sockets on both sides.
 - Suitable for gas installations according to DIN DVGW G 260
 - Nominal pressure: PN 1 (HTB 650°C/30 min)
 - Operating temperature: -20°C to +60°C

Order number	MOP	PN*	DN	Rp - R	L	A	H	Sw
1 2303 09	5	1	8	1/4"	55	70	41	17
1 2303 00	5	1	10	3/8"	60	70	41	21
1 2303 01	5	1	15	1/2"	75	90	43	26
1 2303 02	5	1	20	3/4"	80	90	47	32
1 2303 03	5	1	25	1"	90	135	61	41
1 2303 04	5	1	32	1 1/4"	110	135	66	50
1 2303 05	5	1	40	1 1/2"	120	180	86	55
1 2303 06	5	1	50	2"	137	180	90	70
1 2303 19	5	1	8	1/4"	55	60	41	17
1 2303 10	5	1	10	3/8"	60	60	41	21
1 2303 11	5	1	15	1/2"	75	60	43	26
1 2303 12	5	1	20	3/4"	80	60	47	32
1 2303 13	5	1	25	1"	90	85	61	41
1 2303 14	5	1	32	1 1/4"	110	85	66	50

T = from -20 °C up to +60 °C
*HTB 650 °C - fireproof (30 min)



HVAC

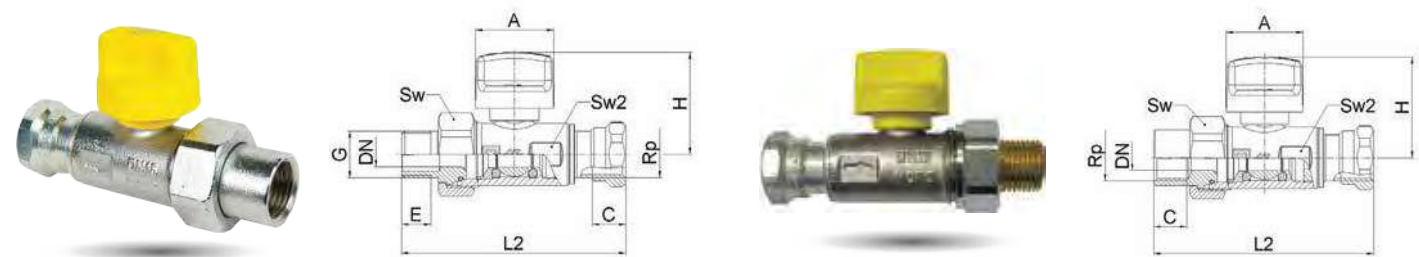
Water

Gas

GAS

Ball Valve for connecting devices, straightway with plastic grip

2362



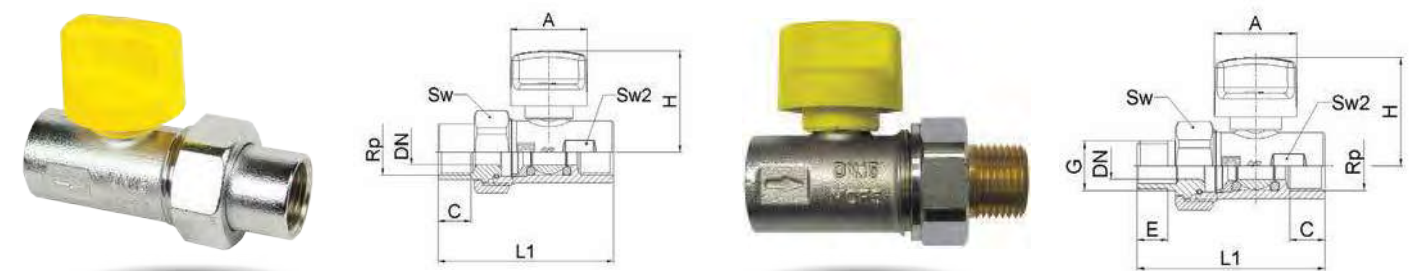
Order number	DN	MOP	PN*	Rp	G	L2	C	E	A	H	Sw	Sw2		
1 2362 21	15	5	1	1/2	1/2	100	15	13.2	35	46	34	26	0.322	25
1 2362 22	20	5	1	1/2	-	100	15	-	35	46	34	26	0.330	25
1 2362 23	25	5	1	3/4	-	112	16.3	-	35	49	41	30	0.432	25
1 2362 31	15	5	1	1	-	130	19.1	-	35	52	48	37	0.719	16

T = from -20 °C up to +60 °C

*HTB 650 °C - fireproof (30 min)

Ball Valve for connecting devices, straightway with plastic grip

2363



Order number	DN	MOP	PN*	Rp	G	L1	C	E	A	H	Sw	Sw2		
1 2363 01	15	5	1	1/2	1/2	100	15	13.2	35	46	34	26	0.288	25
1 2363 11	15	5	1	1/2	-	100	15	13.2	35	46	34	26	0.295	25

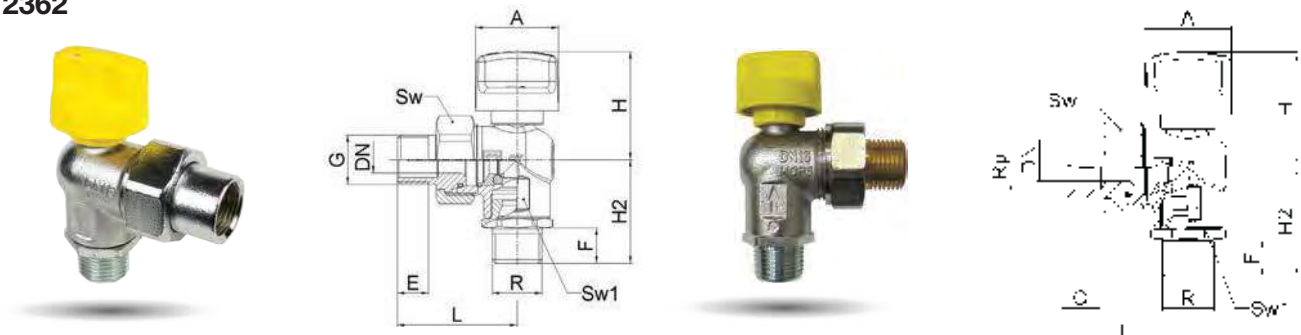
T = from -20 °C up to +60 °C

*HTB 650 °C - fireproof (30 min)



Ball Valve for connecting devcies, angle with plastic grip

2362



Order number	DN	MOP	PN*	G	Rp	L	C	E	F	A	H	H2	Sw	Sw1		
1 2362 41	15	5	1	1/2	1/2	51	15	13.2	15	35	46	44	34	26	0,309	25
1 2362 42	20	5	1	-	1/2	51	15	-	15	35	46	44	34	26	0,309	25
1 2362 43	25	5	1	-	3/4	57	16,3	-	16.3	35	49	49	41	30	0,449	25
1 2362 51	15	5	1	-	1	70	19,1	-	19.1	35	52	57	48	37	0,738	16

T = from -20 °C up to +60 °C

*HTB 650 °C - fireproof (30 min)

HVAC

Water

Ball Valve for connecting devcies, angle with plastic grip

2363



Order number	DN	MOP	PN*	Rp	G	L	C	E	F	A	H	H1	Sw		
1 2363 21	15	5	1	1/2	1/2	51	15	13.2	15	35	46	29	34	0,309	25
1 2363 31	15	5	1	1/2	-	51	15	13.2	15	35	46	29	34	0,309	25

T = from -20 °C up to +60 °C

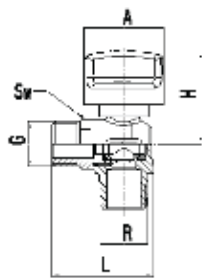
*HTB 650 °C - fireproof (30 min)

Gas

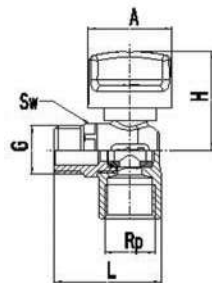
GAS

Ball Valve with security closing T-handle with plastic grip

2362



2372



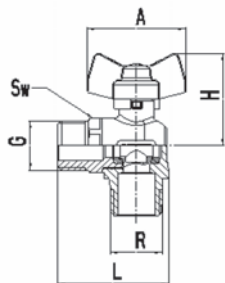
Order number	DN	MOP	PN*	G	Rp	L	A	H	Mt (Nm)	Sw
1 2362 00	10	5	1	1/2	1/2	44	35	43	75	21
1 2372 01	10	5	1	1/2	1/2	44	35	43	75	21

T = from -20 °C up to +60 °C

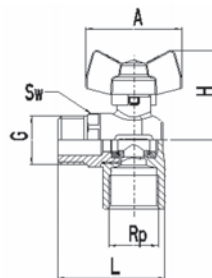
*HTB 650 °C - fireproof (30 min)

Ball Valve with duraluminium T-handle, angle version

2362



2372



Order number	DN	MOP	PN*	G	Rp	L	A	H	Mt (Nm)	Sw
1 2362 10	10	5	1	1/2	1/2	44	40	39	75	21
1 2372 11	10	5	1	1/2	1/2	44	40	39	75	21

T = from -20 °C up to +60 °C

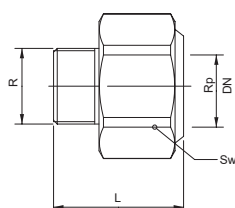
*HTB 925 °C - fireproof (60 min)



Accessories

Insulating Nipple for gas

2000

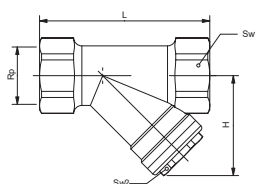


Order number	PN	DN	Rp	L	Sw		
1 2000 02	5	20	3/4"	45	46	0.250	1

T = -20 °C...+60 °C

Strainer for gas

2319



Specifications:

Body of brass according to EN 12165

Threaded sockets on both sides

Suitable for gas installations according to DIN-DVGW G 260 table

Nominal pressure: PN 5

Operating temperature: -20°C to +60°C

Order number	PN	Rp	L	Sw1	Sw2	H		Kvp		
1 2319 01	5	1/2"	68	25	22	37	0.050	2.30	0.170	1
1 2319 02	5	3/4"	80	32	24	46	0.050	4.20	0.280	1
1 2319 03	5	1"	90	41	25	55	0.050	6.80	0.510	1

T = from -20 °C up to +60 °C

Pipes for gas



Order number	PN	Diameter Wall thickness (mm)	Item Rolls (m)
G 1160 20	0.1	16 x 2	200
G 1200 20	0.1	20 x 2	100
G 1260 20	0.1	26 x 3	50
G 1320 20	0.1	32 x 3	50

Aluminium core, in reels 50 metres, with yellow extra strong surface RAL 1201. Operating temperature -20 °C to +60 °C, max. Operating pressure 100 mbar.



Order number	PN	Diameter Wall thickness (mm)	Item Rolls (m)
G 1160 21	0.1	16 x 2	120
G 1200 21	0.1	20 x 2	120
G 1260 21	0.1	26 x 3	120
G 1320 21	0.1	32 x 3	50

Aluminium core, in 5 metre length, with yellow extra strong surface RAL 1201. Operating temperature -20 °C to +60 °C, max. Operating pressure 100 mbar.

HVAC

Water

Gas

Certificate of Guarantee

1. Definition of Terms and Scope of Validity 1.1. In order to be entitled to claim services under the present Certificate of Guarantee, the claiming party must hold a trade licence for the installation of low-pressure central heating systems and hot water preparation plants of the upper and lower categories or a trade licence for gas fitters and plumbers. 1.2. Under the present Certificate of Guarantee „Products“ shall designate all heating components manufactured by us after May 1, 2015, bought new by the party entitled to raise a claim either directly from us or directly from one of our authorized dealers in Austria, unless these components have been exempted from the validity of the Certificate of Guarantee by express declaration to the party entitled to raise a claim or are generally exempted from such guarantee. There are special provisions for electronic and electric products such as HERZ-Electronic thermostats and actuating drives, HERZ-Actuating drives, HERZ-Room temperature controllers, HERZ transformers and wireless control systems and devices, which are not covered by the Certificate of Guarantee. Furthermore, wear parts of HERZ components such as seals are not covered by the present Certificate of Guarantee. 1.3. A case of damage in the sense of the Certificate of Guarantee occurs when a customer of a party entitled to raise claims with HERZ raises a warranty claim against the said party for any damage caused by an error in design or a defect in manufacturing or materials of the products. 1.4. The geographic validity of the Certificate of Guarantee shall be limited to places within Europe. 2. Extend of Services rendered under the Certificate of Guarantee We shall render the following services under the present Certificate of Guarantee (excluding any further claims): 2.1. Replacement free of charge of the products or product components required repairing the damage, free place of damage. 2.2. According to our choice: a) performing the required dismantling /disassembly and assembly/installation of products or product components or b) repairing the initial products or product components or c) paying the costs for the services as mentioned above. 2.3. Repairing the immediate material damage caused by the defective products or paying the costs for the services as mentioned above. 2.4. Damages for direct personal injury caused by the defective products. 2.5. Our liability according 2.1. to 2.3. is limited to € 500,000 per claim. 2.6. Without prejudice to the provisions of item 4.1. our liability shall be limited in terms of time to claims arising within a period of 5 years after manufacturing of the products causing the damage.	2.7. Our liability is limited to claims arising out of errors in design, defects in manufacturing or materials of the products and based on the absence of characteristics which have either been guaranteed by us or which can be expected in accordance with the state of technology or with trade practice. 3. Obligations of the Party Entitled to Raise Claims It is a condition precedent for the implementation of the present Certificate of Guarantee that the party entitled to raise claims meet the below mentioned obligations. Failure to meet any or several of these obligations shall relieve HERZ of any and all obligations under the present Guarantee. 3.1. During installation and use of the products it is imperative to observe our instructions for installation and maintenance valid at the moment of installation and laid down in the brochures, standard sheets, as well as our information regarding the scope of application of the products. Furthermore, it is imperative to proceed with due care according to the state of technology, particularly during maintenance. 3.2. As soon as the party entitled to raise a claim detects or learns of a case of damage, it shall forthwith inform HERZ of such damage (not later than on the 3rd working day thereafter) by fax, telex or cable and shall make available to us all information requested by us. The information shall be submitted in writing upon our request. 3.3. The party entitled to raise a claim shall make sure that the representatives of our company and the agents of our insurance company be granted access to the place of damage immediately after giving notice of the claim and shall take all appropriate measures to determine the cause and scope of the damage. In particular, the party entitled to raise a claim shall keep and make available the products or product components which caused the damage. 3.4. The burden of proof lies with the party who suffered the damage. The party entitled to raise a claim shall not acknowledge any obligation to damages neither with regard to its basis nor to its extend, neither in its own name nor on our behalf. Any declaration extending the scope of damages offered by the present Certificate of Guarantee and by the applicable legal provisions made by the party entitled to raise a claim before or after the occurrence of damage, are not admitted and shall not be binding on us. 4. Period of Validity and Formal Provisions 4.1. The present Certificate of Guarantee shall cover claims for damage occurring between May 1, 2020 and April 30, 2025. We reserve the right to extend this period. 5. Place of Fulfilment, Jurisdiction, Applicable Law 5.1. The place of fulfilment shall be Vienna. The court having subject-matter jurisdiction for our company in Vienna shall have exclusive jurisdiction. Any disputes arising from the present Certificate of Guarantee shall be settled according to Austrian Law. The application of the UN-Convention on Contracts for the International Sale of Goods is expressly excluded. Vienna, June 2020
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Terms and Conditions of Sale, Delivery and Payment

1. Offers, Acknowledgement of Orders, Conclusion of Contracts
 - 1.1. All offers are without obligation. We reserve the right to modify, supplement or discontinue our production at any time. We are entitled to accept only partial orders or to refuse them without giving a reason.
 - 1.2. Our written acknowledgement of order constitutes a contract, an acknowledgement of order by facsimile is sufficient also. The content of the acknowledgement of order shall at the same time be the content of the contract unless the customer raises an objection against it immediately after receipt. Otherwise, our acknowledgement of order and our Terms and Conditions of Sale, Delivery and Payment shall be deemed to have been accepted. In case of claim against the order confirmation, its content becomes a contract if the customer accepts the delivery and/or makes a payment.
 - 1.3. After the acknowledgement of order has been sent, the order placed with us no longer can be changed or cancelled.
 - 1.4. The present Terms and Conditions of Sale, Delivery and Payment shall supersede any purchasing conditions of our customers in any case. They also apply to any future business with the customer.
 - 1.5. Prices are understood to be from the factory, unpackaged, carriage forward and without VAT.
 - 1.6. In case of an increase in costs during the period between the acknowledgement of order and delivery, we shall be entitled to make the respective price adjustments.
 - 1.7. In case that a component of a fitting ordered is not needed, the price deduction shall not be made according to the component price but according to our price calculation.
 - 1.8. Declarations and announcements of HERZ towards our contract partners come into force with sending these declarations and announcements to the mailing address known to us. This is also valid if the mailing address has been changed and has not been announced immediately.
 - 1.9. To be considered valid, changes and additions to the contract must be agreed and confirmed in writing by persons with representative status who are entered in the company register of our firm. Our other staff are not authorised to arrange changes or additional agreements.
2. Conditions of Payment
 - 2.1. As long as nothing else is given in the order confirmation, payments are net cash at receipt of the invoice and without any discount.
 - 2.2. In case of default payment we reserve the right to demand payment of default interest at a rate of 10% above the then current Austrian bank rate (per year), however not less than 1% per month. Only payments made to the payment entity specify in the invoice will be recognised. In case of bank transfers, payment shall be deemed to have been made only when the amount of the invoice has been irrevocably credited to our account.
 - 2.3. Bills of exchange, cheques and payments by money order will be recognised only on account of payment. In this event a discount is not permitted even for special discount arrangements.
 - 2.4. In case of payment by accepted bill or customer's bill, the discount charges shall be borne by the debtor.
 - 2.5. The date of the invoice shall be relevant for the date of payment in any case, even if goods are received with a delay for reasons not to be attributed to us.
 - 2.6. In the event that payment is not made by the due date or in case of deteriorating financial soundness of the customer or on other important reasons, we shall be entitled at our discretion to repudiate the contract or to demand immediate payment of any and all debts irrespective of the term of payment agreed upon, all this without any claim for fulfilment or damages arising against us.
3. Retention of Title
 - 3.1. The goods supplied by us shall remain our property until payment in full has been made for any and all goods supplied. This shall also apply to the payment of any bills of exchange accepted in payment by us. In the event of re-sale for cash, the re-sale proceeds from this separate retention by the customer come to us and oblige the customer to enter a valid note in the accounts (anticipated ownership). In the case of manufacturing our retention of title (proportionate) is the end product. The customer must inform their buyer at re-sale about the existing retention of title and all other security laws agreed.
 - 3.2. The buyer must inform us immediately if third parties raise claims against our goods supplied under our retention of title or bring legal actions. Any costs resulting from legal consequences are to be borne by the buyer.
4. Packing and Dispatch
 - 4.1. The goods will be packed to commercial standards at the buyer's expense. Packing materials will not be taken back. The packing shall be dimensioned assuming customary transport conditions.
 - 4.2. The goods will be dispatched ex-works at the risk of the buyer, even in case of delivery freight prepaid.
 - 4.3. The seller shall be obliged to take out insurance only if and to the extent that this has been agreed upon in writing.
5. Modification of Models
 - 5.1. We reserve the right to make design modifications, to change tolerances and to make improvements.
 - 5.2. In case of special designs manufactured according to customer sample, model or drawing, we reserve the right to supply up to 5 % more or less than the quantity ordered.

6. Complaints
 - 6.1. With regard to any defects or damage that can be recognised during proper inspection upon receipt, not recognizable defects or damages have to be reprehend immediately after their occurrence, a complaint shall be filed immediately after receipt of goods. However, any warranty claim shall expire three months after delivery.
 - 6.2. In addition, in case of deviations in the number of units supplied or in weight, a complaint shall be filed with the railway company or the forwarding agent (carrier) upon receipt of the goods, and a certification to support any such difference shall be obtained. Any defective units shall be returned to us without delay freight prepaid.
7. Warranty
 - 7.1. We will perform our warranty obligation by replacing free of charge any items which become totally inoperative within a period of three months as a result of defective materials or deficiencies in workmanship, provided that the rejected items are returned within 4 months from delivery.
8. Returned Goods
 - 8.1. Returned goods will only be accepted with our prior written consent and only if sent free our works in Vienna without any damage or defect.
 - 8.2. Return of items made to order will not be accepted in any case.
9. Default in Delivery and Release from the Delivery Commitment
 - 9.1. The obligation to deliver and to adhere to the delivery period shall be suspended by any extraordinary events and circumstances not to be attributed to us which causes a relevant interruption of operations or makes the dispatch of goods impossible.
 - 9.2. In the event that dispatching of goods is impossible, we shall be entitled to store any goods already manufactured at the expense and risk of the buyer. In that case, the goods will be invoiced to the buyer as if they had already been supplied.
 - 9.3. If we are in default in delivery, the buyer shall grant a reasonable period of grace of not less than 6 weeks. The buyer shall not be entitled to cancel the contract after we have initiated production of the goods ordered – even after having granted a period of grace.
10. Quality of a Consignment
 - 10.1. The quality of a consignment cannot be assessed on the basis of the quality of individual items.
11. Damages, Limitation of Warranty
 - 11.1. The amount of any claims is limited according to the net invoice value of the item in question.
 - 11.2. We are entitled to settle any guarantee claims through the provision of replacement parts. No claims can be made for price reductions.
 - 11.3. We shall not recognise or reimburse any claims for damages with respect to installation costs, incipient processing costs, maintenance costs, etc. in any case.
 - 11.4. Claims for damages by the customer are excluded, whatever the legal reasons, particularly due to delays, impossibility of attainment, positive breach of a claim, debts at conclusion of a contract, damage consequential to defects and defects due to improper handling, as long as they are intentional or do to gross negligence on our part. In the event of intent or gross negligence the customer must give proof of this. Information issued by us (installation and maintenance instructions, details of areas of use for products, etc.) must be strictly adhered to. Where instructions are disregarded or ignored, the official conditions release us from any liability.
 - 11.5. We do not assume liability for any loss or damage resulting from improper handling or use, overstraining or natural wear. Furthermore, we do not assume liability with respect to any loss or damage caused by negligence nor any indirect or consequential loss.
 - 11.6. Our liability for material damage due to a production fault according to the Product Liability Act (Produkthaftungsgesetz) shall be excluded for all companies participating in the production and distribution of our products, as well as for all buyers of our products who are entrepreneurs. The parties to contracts with us who are entrepreneurs undertake to transfer this exoneration clause to their customers to the extent that they on their part are entrepreneurs and as far as our products are concerned.
12. Place of Fulfilment and Jurisdiction
 - 12.1. The place of fulfilment for all contract demands shall be Vienna, if the product is taken from Vienna factory; if the product is taken from Kemetten factory, Kemetten is a place of fulfilment.
 - 12.2. For partners from the European Union countries as well as from the European Economic Area and for the partners with headquarter situated in a country, which has an enforcement agreement with Austria the court having subjectmatter jurisdiction in Vienna is agreed as a place of fulfilment for all contract demands.
 - 12.3. For the partners from countries, which do not fall under the point 12.2 the court having subjektmatter jurisdiction in Vienna is agreed as a place of fulfilment. HERZ reserves the right to sue for the contract demand in each case in the responsible court.
 - 12.4. In subsidiarity to these Terms and Conditions of Sale, Delivery and Payment, Austrian legal provisions are to be applied exclusively. The application of the UN-Convention on Contracts for the International Sale of Goods is expressly excluded.



Selection Matrix for Actuators

			F 7712 90 24 V modulating 500 N, 15 mm	F 7712 91 24 V modulating 1000 N, 20 mm	F 7712 92 24 V modulating 2500 N, 40 mm	F 7712 93 24 V modulating 1500 N, 20 mm	F 7712 94 24 V modulating 12000 N, 65 mm	F 7712 95 24 V open-close, 3 Pt. 500 N, 15 mm
Combi Valves	DN	kvs						
F 4006 71 F 4006 90	15	2,5						
F 4006 72 F 4006 91	15	4						
F 4006 73 F 4006 92	25	6,3						
F 4006 93 F 4006 53	25	8						
F 4006 74 F 4006 94	32	12						
F 4006 75 F 4006 95 F 4006 61	40	20						
F 4006 80 F 4006 96 F 4006 62	50	32						
F 4006 81 F 4006 97 F 4006 63	65	50						
F 4006 82 F 4006 98 F 4006 64	80	80						
F 4006 83 F 4006 99 F 4006 65	100	125						
F 4006 84 F 4006 10 F 4006 66	125	180						
F 4006 39	15	1,6						
F 4006 40	15	2,5						
F 4006 41	15	4						
F 4006 42	20	6,3						
2-Port Valves								
F 4035 01 F 4035 40	15	1						
F 4035 11 F 4035 51	15	1,6						
F 4035 21 F 4035 61	15	2,5						
F 4035 31 F 4035 71	15	4						
F 4035 03 F 4035 43	25	6,3						
F 4035 13 F 4035 53	25	10						
F 4035 04 F 4035 44	32	16						
F 4035 05 F 4035 45	40	25						
F 4035 06 F 4035 46	50	40						
F 4035 16 F 4035 56	50	40						
F 4035 07 F 4035 47	65	63						
F 4035 08 F 4035 48	80	100						
F 4035 09 F 4035 49	100	160						
F 4035 10 F 4035 50	125	250						
F 4035 41 F 4035 52	150	330						
3-Port Valves								
F 4037 01	15	1						
F 4037 11	15	1,6						
F 4037 21	15	2,5						
F 4037 31	15	4						
F 4037 03	25	6,3						
F 4037 13	25	10						
F 4037 04	32	16						
F 4037 05	40	25						
F 4037 06	50	40						
F 4037 16	50	40						
F 4037 07	65	63						
F 4037 08	80	100						
F 4037 09	100	160						
F 4037 10	125	250						
F 4037 41	150	330						

*Combination of Valve and Actuator available from Q1/2015.

Selection Matrix for Actuators

F 7712 96 24 V open-close, 3 Pt. 1000 N, 20 mm	F 7712 97 24 V open-close, 3 Pt. 1500 N, 20 mm	F 7712 98 24 V open-close, 3 Pt. 2500 N, 40 mm	F 7712 81 230 V open-close, 3 Pt. 500 N, 15 mm	F 7712 82 230 V open-close, 3 Pt. 1000 N, 20 mm	F 7712 83 230 V open-close, 3 Pt. 1500 N, 20 mm	F 7712 84 230 V open-close, 3 Pt. 2500 N, 40 mm	F 7712 85 230 V open-close, 3 Pt. 12000 N, 65 mm

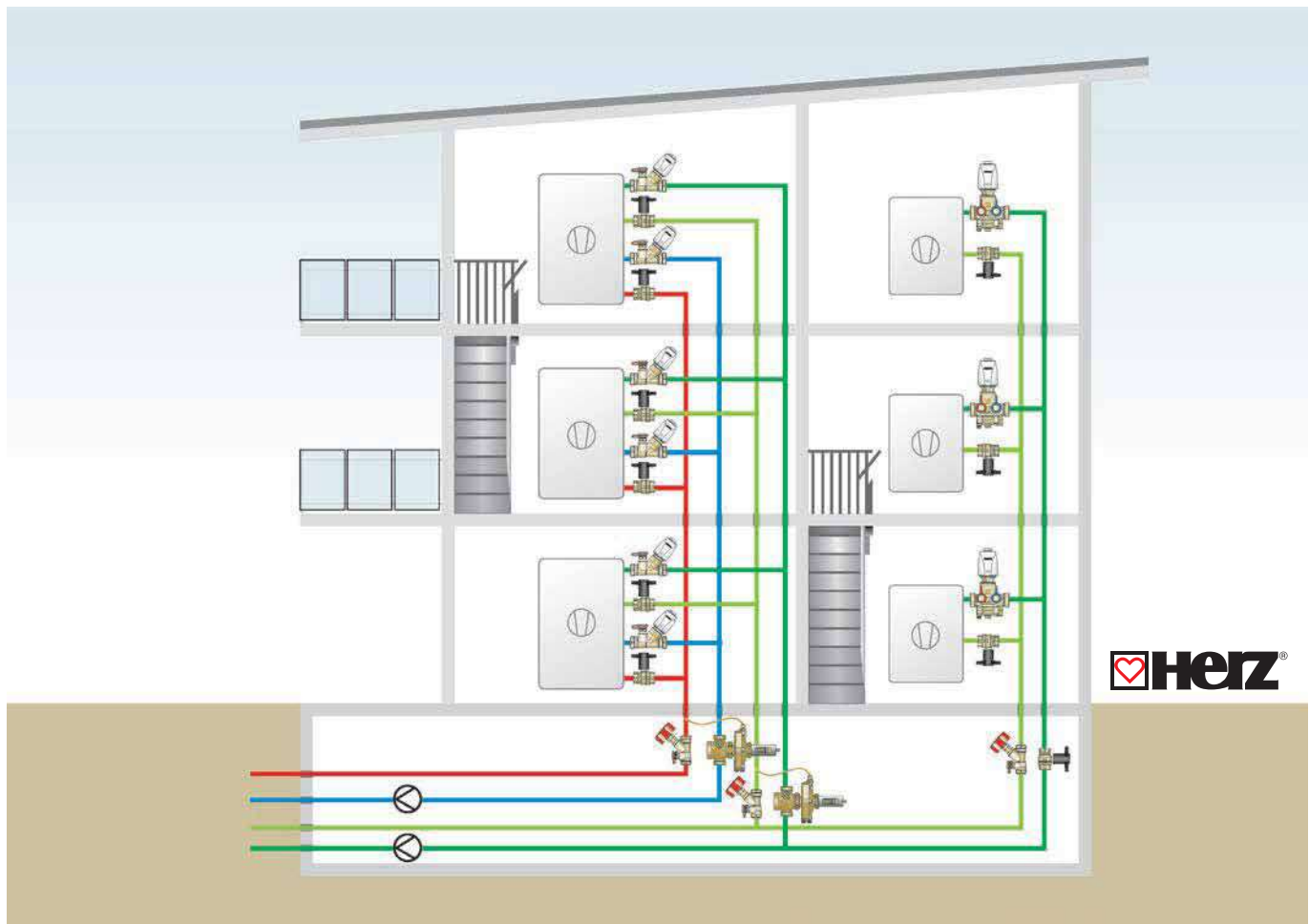
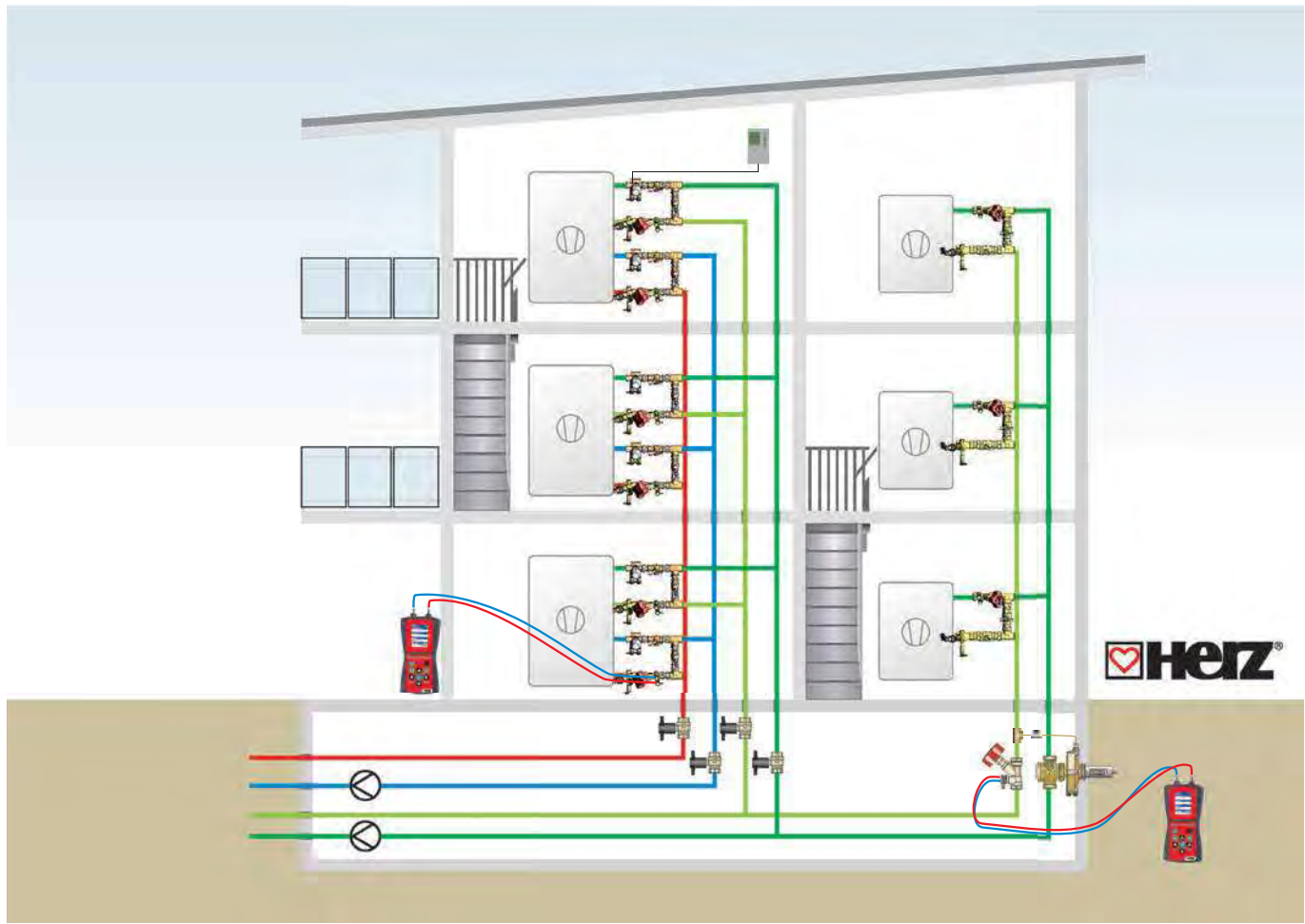
Selection Matrix for Actuators

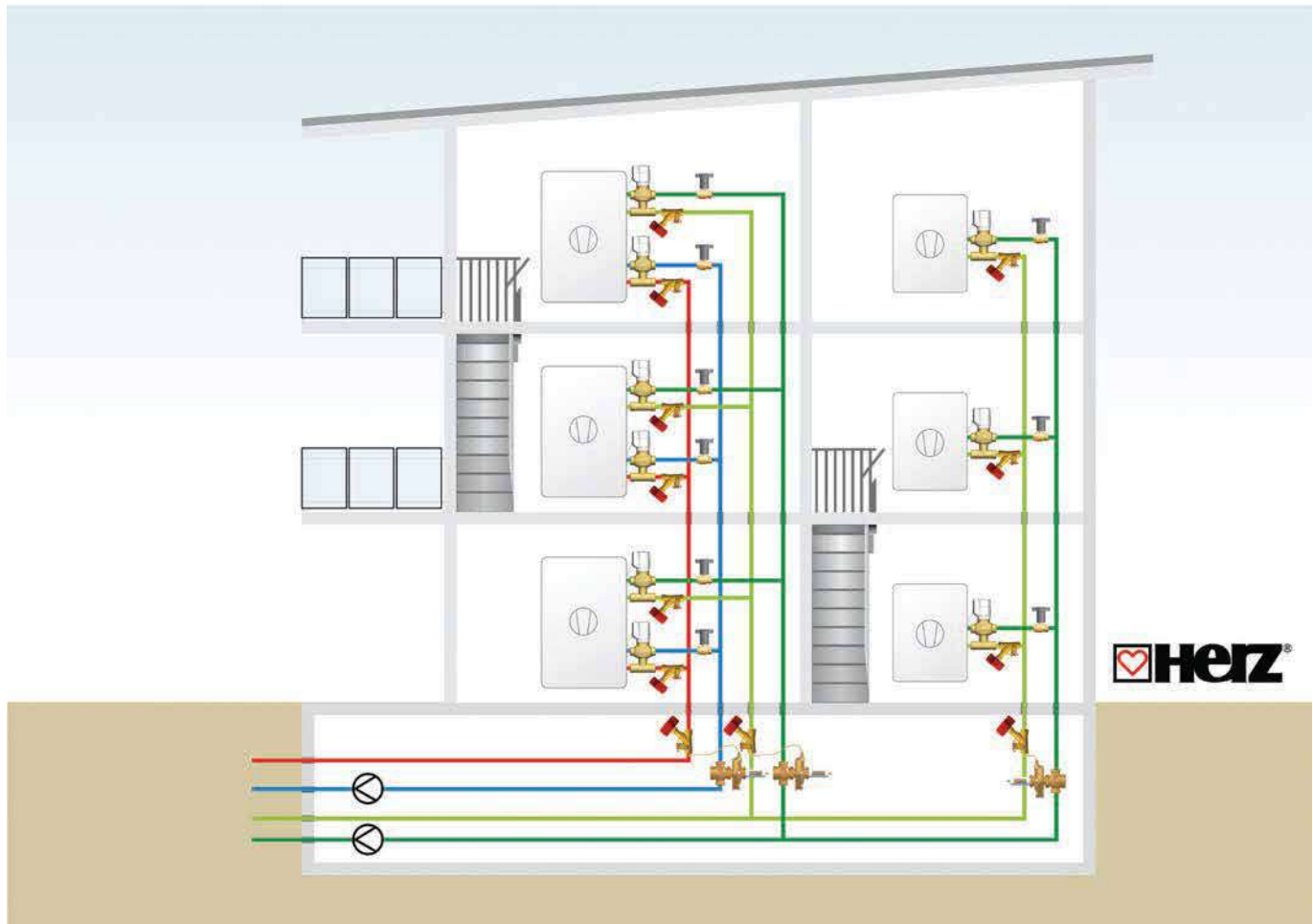
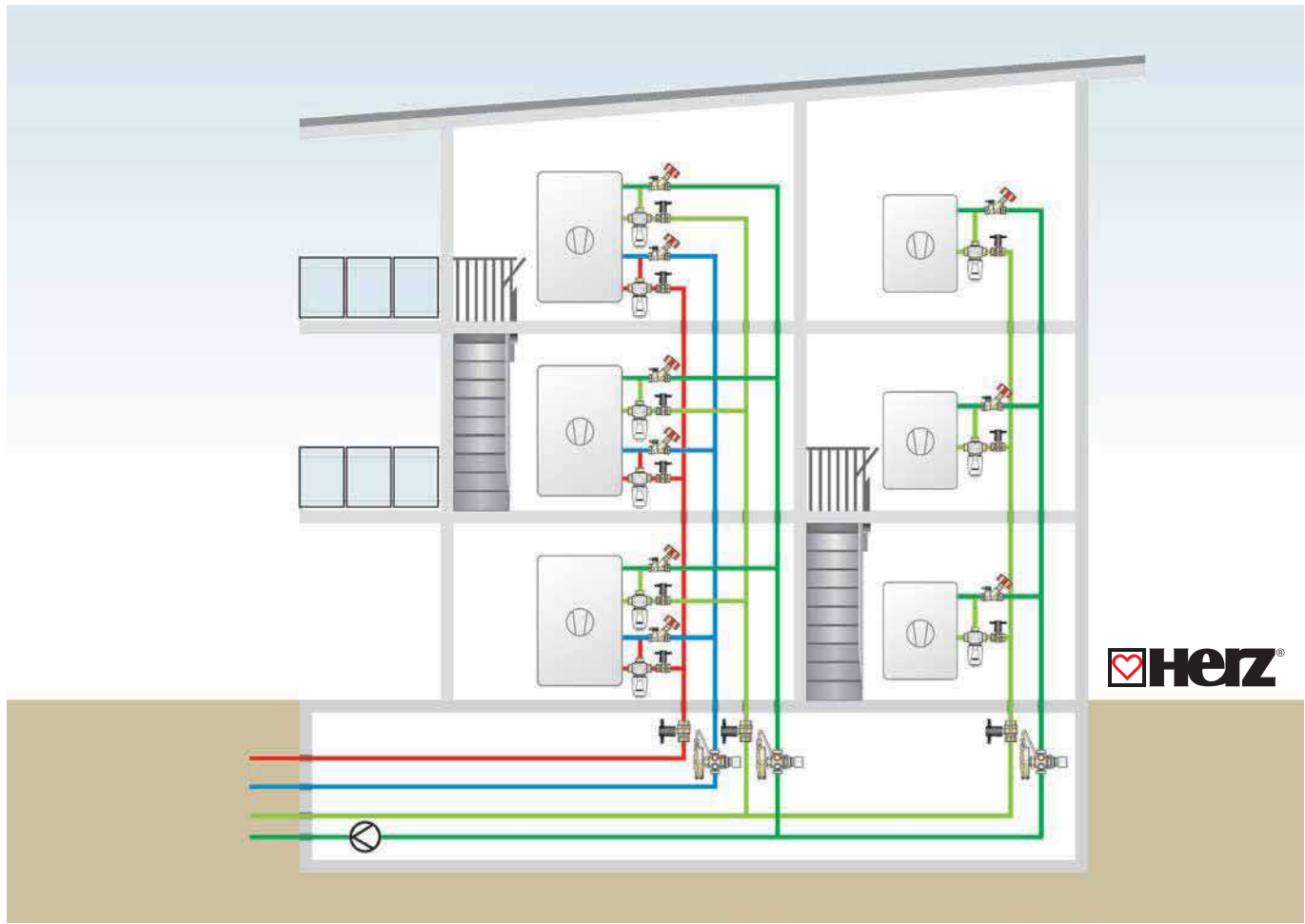
			1 7712 29 24 V continuous, 2-3-point 500 N, 20 mm	1 7712 31 24 V continuous, 2-3-point 1000 N, 20 mm	1 7712 32 24 V continuous, 2-3-point 2500 N, 40 mm	1 7712 21 24 V continuous, 2-3-point 2500 N, 40 mm	1 7712 28 230 V 2, 3-point 500 N, 20 mm
Combi valve	DN	max. m³/h					
F 4006 71	15	2,5	1 7712 20 *				1 7712 20 *
F 4006 90			1 7712 20 *				1 7712 20 *
F 4006 72			1 7712 20 *				1 7712 20 *
F 4006 91	15	4	1 7712 20 *				1 7712 20 *
F 4006 73			1 7712 20 *				1 7712 20 *
F 4006 92			1 7712 20 *				1 7712 20 *
F 4006 93	25	6,3	1 7712 20 *				1 7712 20 *
F 4006 53			1 7712 20 *				1 7712 20 *
F 4006 74			1 7712 20 *				1 7712 20 *
F 4006 94	32	12	1 7712 20 *				1 7712 20 *
F 4006 75			1 7712 20 *				1 7712 20 *
F 4006 95			1 7712 20 *				1 7712 20 *
F 4006 80	50	32	1 7712 20 *				1 7712 20 *
F 4006 96			1 7712 20 *				1 7712 20 *
F 4006 62			1 7712 20 *				1 7712 20 *
F 4006 81	65	50				Direct installation	
F 4006 97						Direct installation	
F 4006 63			1 7712 20 *				1 7712 20 *
F 4006 82	80	80				Direct installation	
F 4006 98						Direct installation	
F 4006 64				1 7712 17 *			
F 4006 83	100	125				Direct installation	
F 4006 99						Direct installation	
F 4006 65				1 7712 17 *			
F 4006 84	125	180				Direct installation	
F 4006 10						Direct installation	
F 4006 66						Direct installation	
F 4006 56	125					Direct installation	
F 4006 67	150					Direct installation	
F 4006 57	150					Direct installation	
F 4006 48	200UHF					Direct installation	
F 4006 58	200HF					Direct installation	
F 4006 68	200SF					Direct installation	
F 4006 69	250					Direct installation	
F 4006 39	15	1,6	1 7712 20 *				1 7712 20 *
F 4006 40	15	2,5	1 7712 20 *				1 7712 20 *
F 4006 41	15	4	1 7712 20 *				1 7712 20 *
F 4006 42	20	6,3	1 7712 20 *				1 7712 20 *
2-port valves	DN	kvs					
F 4035 01	15	1	1 7712 20 *				1 7712 20 *
F 4035 40			1 7712 20 *				1 7712 20 *
F 4035 11			1 7712 20 *				1 7712 20 *
F 4035 51	15	1,6	1 7712 20 *				1 7712 20 *
F 4035 21			1 7712 20 *				1 7712 20 *
F 4035 61			1 7712 20 *				1 7712 20 *
F 4035 31	15	2,5	1 7712 20 *				1 7712 20 *
F 4035 71			1 7712 20 *				1 7712 20 *
F 4035 03			1 7712 20 *				1 7712 20 *
F 4035 43	25	6,3	1 7712 20 *				1 7712 20 *
F 4035 13			1 7712 20 *				1 7712 20 *
F 4035 53			1 7712 20 *				1 7712 20 *
F 4035 04	32	16		1 7712 17 *			
F 4035 44				1 7712 17 *			
F 4035 05				1 7712 17 *			
F 4035 45	40	25		1 7712 17 *			
F 4035 16				1 7712 17 *			
F 4035 56				1 7712 17 *			
F 4035 07	50	40		1 7712 17 *			
F 4035 47				1 7712 17 *			
F 4035 08				1 7712 17 *			
F 4035 48	65	63			Direct installation		
F 4035 09					Direct installation		
F 4035 49					Direct installation		
F 4035 10	80	100			Direct installation		
F 4035 50					Direct installation		
F 4035 41					Direct installation		
F 4035 52	100	160			Direct installation		
F 4035 01					Direct installation		
F 4035 11					Direct installation		
F 4035 21	125	250			Direct installation		
F 4035 31					Direct installation		
F 4035 03					Direct installation		
F 4035 13	150	330			Direct installation		
F 4035 43					Direct installation		
F 4035 53					Direct installation		
3-port valves	DN	kvs					
F 4037 01	15	1	1 7712 20 *				1 7712 20 *
F 4037 11	15	1,6	1 7712 20 *				1 7712 20 *
F 4037 21	15	2,5	1 7712 20 *				1 7712 20 *
F 4037 31	15	4	1 7712 20 *				1 7712 20 *
F 4037 03	25	6,3	1 7712 20 *				1 7712 20 *
F 4037 13	25	10	1 7712 20 *				1 7712 20 *
F 4037 04	32	16		1 7712 17 *			
F 4037 05	40	25		1 7712 17 *			
F 4037 16	50	40		1 7712 17 *			
F 4037 07	65	63		1 7712 17 *			
F 4037 08	80	100		1 7712 17 *			
F 4037 09	100	160			Direct installation		
F 4037 10	125	250			Direct installation		
F 4037 41	150	330			Direct installation		
Mixers	DN						
1 2137 01	15						
1 2137 02	20						
1 2137 03	25						
1 2137 04	32						
1 2137 05	40						
1 2137 06	50						
Ball valves	DN						
1 2117 11	15						
1 2117 12	20						
1 2117 13	25						
1 2117 14	32						
1 2117 15	40						
1 2117 16	50						

* The adapter specified in the cell is required for installation.

Selection Matrix for Actuators

			1 7712 30 230 V 2, 3-point 1000 N, 20 mm	1 7712 25 230 V 2, 3-point for 2137	1 7712 27 24 V continuous, 2-3-point for 2137	1 7712 33 230 V 2, 3-point for 2117	1 7712 35 24 V continuous, 2-3 point for 2117
Combi valve	DN	max. m³/h					
F 4006 71	15	2,5					
F 4006 90							
F 4006 72	15	4					
F 4006 91							
F 4006 73	25	6,3					
F 4006 92							
F 4006 93	25	8					
F 4006 53							
F 4006 74	32	12					
F 4006 94							
F 4006 75	40	20					
F 4006 95							
F 4006 80							
F 4006 96	50	32					
F 4006 62							
F 4006 81							
F 4006 97	65	50					
F 4006 63							
F 4006 82							
F 4006 98	80	80	1 7712 17 *				
F 4006 64							
F 4006 83							
F 4006 99	100	125	1 7712 17 *				
F 4006 65							
F 4006 84							
F 4006 10	125	180					
F 4006 66							
F 4006 56	125						
F 4006 67	150						
F 4006 57	150						
F 4006 48	200UHF						
F 4006 58	200HF						
F 4006 68	200SF						
F 4006 69	250						
F 4006 39	15	1,6					
F 4006 40	15	2,5					
F 4006 41	15	4					
F 4006 42	20	6,3					
2-port valves	DN	kvs					
F 4035 01	15	1					
F 4035 40							
F 4035 11	15	1,6					
F 4035 51							
F 4035 21	15	2,5					
F 4035 61							
F 4035 31	15	4					
F 4035 71							
F 4035 03	25	6,3					
F 4035 43							
F 4035 13	25	10					
F 4035 53							
F 4035 04	32	16	1 7712 17 *				
F 4035 44			1 7712 17 *				
F 4035 05	40	25	1 7712 17 *				
F 4035 45			1 7712 17 *				
F 4035 16	50	40	1 7712 17 *				
F 4035 56			1 7712 17 *				
F 4035 07	65	63	1 7712 17 *				
F 4035 47							
F 4035 08	80	100	1 7712 17 *				
F 4035 48							
F 4035 09	100	160					
F 4035 49							
F 4035 10	125	250					
F 4035 50							
F 4035 41	150	330					
F 4035 52							
3-port valves	DN	kvs					
F 4037 01	15	1					
F 4037 11	15	1,6					
F 4037 21	15	2,5					
F 4037 31	15	4					
F 4037 03	25	6,3					
F 4037 13	25	10					
F 4037 04	32	16	1 7712 17 *				
F 4037 05	40	25	1 7712 17 *				
F 4037 16	50	40	1 7712 17 *				
F 4037 07	65	63	1 7712 17 *				
F 4037 08	80	100	1 7712 17 *				
F 4037 09	100	160					
F 4037 10	125	250					
F 4037 41	150	330					
Mixers	DN						
1 2137 01	15			Direct installation	Direct installation		
1 2137 02	20			Direct installation	Direct installation		
1 2137 03	25			Direct installation	Direct installation		
1 2137 04	32			Direct installation	Direct installation		
1 2137 05	40			Direct installation	Direct installation		
1 2137 06	50			Direct installation	Direct installation		
Ball valves	DN						
1 2117 11	15					Direct installation	Direct installation
1 2117 12	20					Direct installation	Direct installation
1 2117 13	25					Direct installation	Direct installation
1 2117 14	32					Direct installation	Direct installation
1 2117 15	40					Direct installation	Direct installation
1 2117 16	50					Direct installation	Direct installation





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Static balancing valves

All perfectly regulated



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