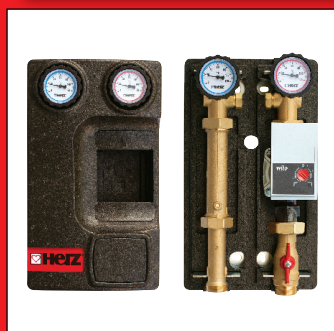


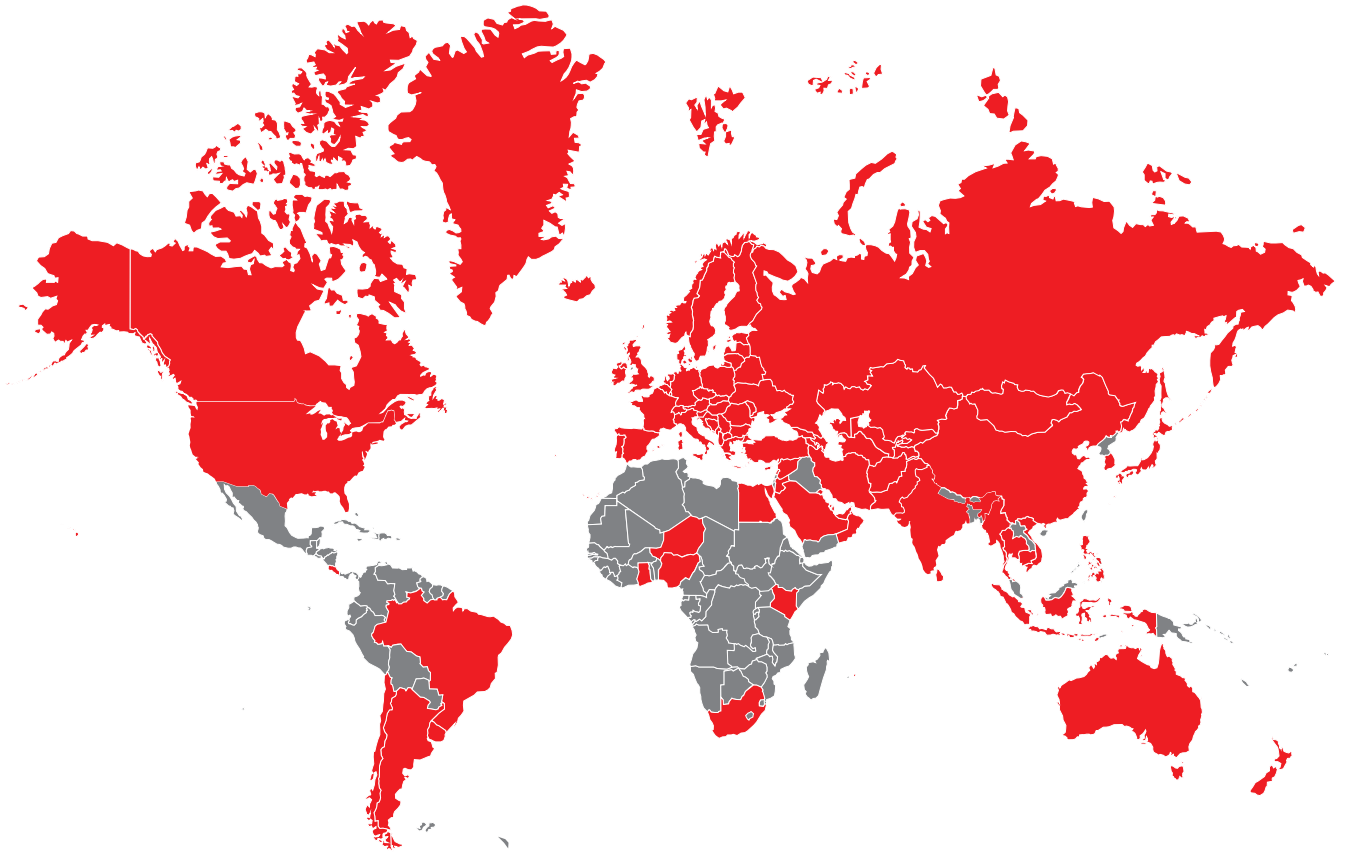
UK Product Range

2021/2022



HERZ Valves UK Ltd.

Progress House, Moorfield Point, Moorfield Road
Slyfield Industrial Estate, Guildford, Surrey GU1 1RU
Telephone: 01 483 50 22 11
E-mail: sales@herzvalves.com
www.herzvalves.com



This product guide is not a fully comprehensive list of Herz products but simply a guide to products stocked for the UK market. The full range of products can be found on the Herz UK website.

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Vienna, HQ





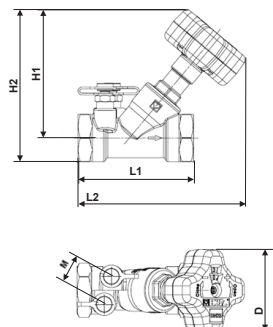
01/ Balancing Valves

Accuracy and efficiency

BALANCING VALVES

FODRV Commissioning Valve

4017 M



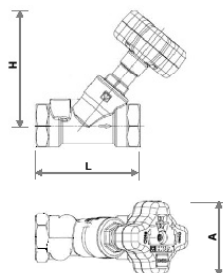
Technical data:

- BS 7350
- Body material DZR
- Max operating pressure: 20 bar
- Max operating temperature: 130 °C
- Connection thread: ISO 228-1

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)

4017 R



Technical data:

- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 20 bar
- Max operating temperature: 130 °C
- Connection thread: ISO 228-1



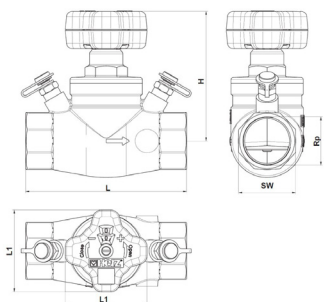
Order number	DN	A	L	H	Kvs valve
1 4017 61	15	70	83	96	2.00
1 4017 62	20	70	91	99	3.60
1 4017 63	25	70	110	109	6.50
1 4017 64	32	70	122	117	13.30
1 4017 65	40	70	135	136	18.50
1 4017 66	50	70	164	140	33.00

Valve Sizing Rule of Thumb 14017

Order number	DN	Kv Value	Flowrate l/s @ Signal 1 kPa	Flowrate l/s @ Signal 4.7 kPa	Flowrate l/s @ Signal 10 kPa	Flowrate l/s @ Velocity 1.15 m/s
1 4017 11	15 LF	0.48	0.013	0.029	0.042	-
1 4017 21	15 MF	0.97	0.027	0.058	0.085	-
1 4017 01	15	1.95	0.054	0.117	0.171	-
1 4017 02	20	3.95	0.110	0.238	0.347	-
1 4017 03	25	7.9	0.219	0.476	-	0.678
1 4017 04	32	15.75	0.438	0.948	-	1.177
1 4017 05	40	21.5	0.597	1.295	-	1.593
1 4017 06	50	46.7	1.297	2.812	-	2.547

VODRV Commissioning Valve and DRV

4217 GM STRÖMAX



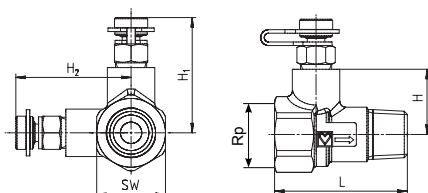
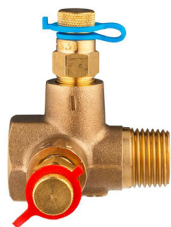
Technical data:

- Body material DZR
- Max operating pressure: 20 bar
- Max operating temperature: 130°C up to DN32, 110°C from DN40
- Connection thread: ISO 228-1

Order number	DN	Rp	L	L1	H	SW	Kvs
1 4217 30	15 LF	½	100	71	97	27	0.93
1 4217 31	15 MF	½	100	71	97	27	3.49
1 4217 01	15	½	100	71	97	27	6.05
1 4217 32	20	¾	100	71	97	32	6.11
1 4217 33	25	1	120	71	107	41	9.22
1 4217 34	32	1¼	140	71	112	50	18.83
1 4217 35	40	1½	150	71	112	55	23.29
1 4217 36	50	2	165	110	136	70	35.26
1 4217 07	65	2½	190	110	141	85	52.11
1 4217 08	80	3	210	110	142	100	76.10

Metering Station

4000



Technical data:

- BS 7350
- Body material DZR
- Max operating pressure: 20 bar
- Max operating temperature: 130°C up to DN32, 110°C from DN40
- Min operating temperature: -20 °C
- Connection thread: ISO 228-1

Order number	DN	R & Rp	L	H	H1 & H2	SW	Kvs
1 4000 11	15 LF	½	56	27.5	52	29	0.55
1 4000 21	15 MF	½	56	27.5	52	29	1.10
1 4000 01	15	½	56	27.5	52	29	2.20
1 4000 02	20	¾	58	30	54.5	36	4.25
1 4000 03	25	1	64	33	57.5	43	8.60
1 4000 04	32	1¼	72	38.5	63	53	15.90
1 4000 05	40	1½	72	40	64.5	61	23.70
1 4000 06	50	2	80	45	69.5	72	48.00

Valve Sizing Rule of Thumb 14000

Order number	DN	Kv Value	Flowrate l/s @ Signal 1 kPa	Flowrate l/s @ Signal 4.7 kPa	Flowrate l/s @ Signal 10 kPa	Flowrate l/s @ Velocity 1.15 m/s
1 4000 11	15 LF	0.55	0.015	0.033	0.048	-
1 4000 21	15 MF	1.1	0.031	0.066	0.097	-
1 4000 01	15	2.2	0.061	0.132	0.193	-
1 4000 02	20	4.25	0.118	0.256	0.373	-
1 4000 03	25	8.6	0.239	0.518	-	0.678
1 4000 04	32	15.9	0.442	0.958	-	1.177
1 4000 05	40	23.7	0.658	1.427	-	1.593
1 4000 06	50	48	1.333	2.891	-	2.547

BALANCING VALVES

Flanged Commissioning Set

4218 CS



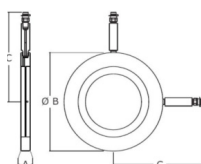
Technical data:

- BS 7350
- Body material Cast Iron
- Orifice material Stainless Steel
- Max operating pressure: 16 bar
- Max operating temperature: 120 °C up to DN200, 110°C from DN250
- Min operating temperature: -10 °C
- End flange: BS EN 1092-2 PN16

Order number PN16	DN	Kvs
1 4218 81CS	65	100.7
1 4218 82CS	80	133.8
1 4218 83CS	100	237.7
1 4218 84CS	125	339
1 4218 85CS	150	511
1 4218 86CS	200	858
1 4218 87CS	250	1235
1 4218 88CS	300	1793

Orifice Plate

HV2740



Technical data:

- BS 7350
- Orifice material Stainless Steel
- Max operating pressure: 16 bar
- Max operating temperature: 120 °C
- Min operating temperature: -10 °C

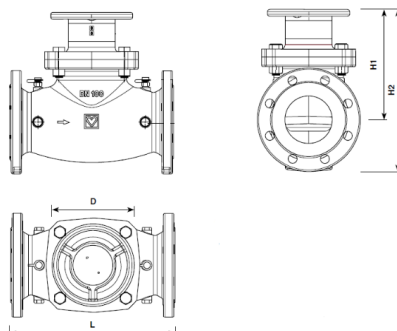
Order number PN16	DN	A	B	C	kvs
HV2740-07	65	20	129	158	100.7
HV2740-08	80	20	144	166	133.8
HV2740-09	100	20	164	176	237.7
HV2740-10	125	20	194	191	339
HV2740-11	150	20	220	204	511
HV2740-12	200	20	275	232	858
HV2740-13	250	20	331	258	1235
HV2740-14	300	20	386	287	1793

Valve Sizing Rule of Thumb 14218 & HV 2740

Order number	DN	Kv Value	Flowrate l/s @ Signal 1 kPa	Flowrate l/s @ Signal 4.7 kPa	Flowrate l/s @ Signal 10 kPa	Flowrate l/s @ Velocity 3.0 m/s
1 4218 81CS	65	100.7	2.797	6.064	8.846	-
1 4218 82CS	80	133.8	3.717	8.058	11.753	-
1 4218 83CS	100	237.7	6.603	14.314	20.880	-
1 4218 84CS	125	339	9.417	20.415	29.778	-
1 4218 85CS	150	511	14.194	30.773	44.887	-
1 4218 86CS	200	858	23.833	51.669	75.368	-
1 4218 87CS	250	1235	34.306	74.373	108.484	-
1 4218 88CS	300	1793	49.806	107.976	157.499	-

Flanged Double Regulating Valve

4218 GF

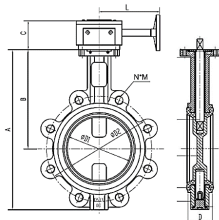
**Technical data:**

- Body material Cast Iron
- Max operating pressure: 16 bar
- Max operating temperature: 110 °C
- Min operating temperature: -10 °C
- End flange: BS EN 1092-2 PN16

Order number PN16	DN	L	H1	H2	D	Kvs
1 4218 81	65	290	186	280	150	75
1 4218 82	80	310	208	308	175	110
1 4218 83	100	350	235	345	175	165
1 4218 84	125	400	260	385	265	241
1 4218 85	150	480	308	451	265	372
1 4218 86	200	600	449	619	450	704
1 4218 87	250	730	503	705	450	812
1 4218 88	300	852	562	842	450	1383

Double Regulating Valve Fully-lugged Butterfly Valve

BF-DR-FL

**Technical data:**

- EN 593
- Body material Cast Iron
- Liner: EPDM
- Max operating pressure: 16 bar
- Max operating temperature: 120 °C
- Min operating temperature: -10 °C
- End flange: BS EN 1092-2 PN16

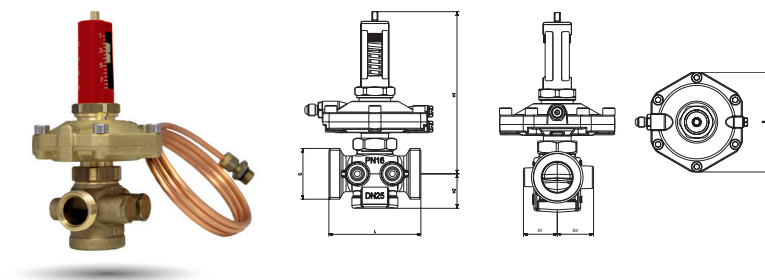
Spool piece required for commissioning set

DRV Order number	CS Order number	DN	A	B	C	D	H	L
BF-DR-FLG-07	BF-DR-FLG-07CS	65	202	133	72	46	29	112
BF-DR-FLG-08	BF-DR-FLG-08CS	80	238	152	72	46	29	112
BF-DR-FLG-09	BF-DR-FLG-09CS	100	276	170	72	52	29	112
BF-DR-FLG-10	BF-DR-FLG-10CS	125	296	181	72	56	29	112
BF-DR-FLG-11	BF-DR-FLG-11CS	150	324	196	72	56	29	112
BF-DR-FLG-12	BF-DR-FLG-12CS	200	398	238	84	60	41	171

BALANCING VALVES

Differential Pressure Control Valve

4002



Technical data:

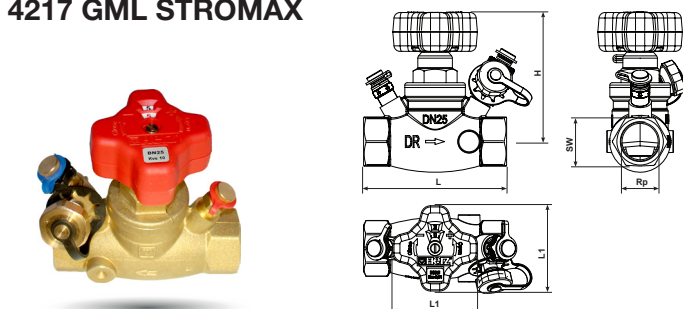
- Body material DZR
- Max operating pressure: 16 bar
- Max operating temperature: 130 °C up to DN32, 110 °C from DN40
- Min operating temperature: -20 °C
- Max Differential Pressure: 2 bar
- Connection thread: ISO 228-1

Connections to be ordered separately see page 21

Order number	Regulating range	DN	G	L	H1	H2	B	B1	B2	Kvs
1 4002 41	5-30 kPa	15	G ¾	66	133	28	95	26	29	2.66
1 4002 42	5-30 kPa	20	G 1	76	134	29	95	28	30	4.36
1 4002 43	5-30 kPa	25	G 1¼	76	134	29	95	28	30	5.38
1 4002 44	5-30 kPa	32	G 1½	114	150	47	95	-	-	9.48
1 4002 45	5-30 kPa	40	G 1¾	132	160	55	95	-	-	14.95
1 4002 46	5-30 kPa	50	G 2¾	140	160	55	94	-	-	14.95
1 4002 61	25-60 kPa	15	G ¾	66	133	28	95	26	29	2.66
1 4002 62	25-60 kPa	20	G 1	76	134	29	95	28	30	4.36
1 4002 63	25-60 kPa	25	G 1¼	76	134	29	95	28	30	5.38
1 4002 64	25-60 kPa	32	G 1½	114	150	47	95	-	-	9.48
1 4002 65	25-60 kPa	40	G 1¾	132	160	55	95	-	-	14.95
1 4002 66	25-60 kPa	50	G 2¾	140	160	55	94	-	-	14.95
1 4002 71	45-80 kPa	15	G ¾	66	133	28	95	26	29	2.66
1 4002 72	45-80 kPa	20	G 1	76	134	29	95	28	30	4.36
1 4002 73	45-80 kPa	25	G 1¼	76	134	29	95	28	30	5.38
1 4002 74	45-80 kPa	32	G 1½	114	150	47	95	-	-	9.48
1 4002 75	45-80 kPa	40	G 1¾	132	160	55	95	-	-	14.95
1 4002 76	45-80 kPa	50	G 2¾	140	160	55	94	-	-	14.95

DPCV Partnering Valve

4217 GML STRÖMAX



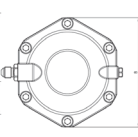
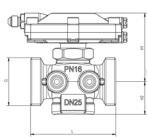
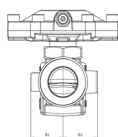
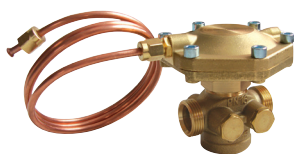
Technical data:

- Body material DZR
- Max operating pressure: 20 bar
- Max operating temperature: 130 °C up to DN32, 110 °C from DN40
- Connection thread: ISO 228-1

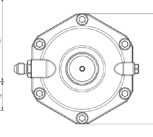
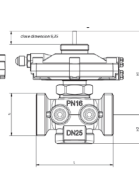
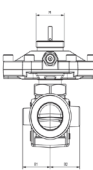
Order number	DN	Rp	L	L1	H	SW hexagon	SW octagon	Kvs
1 4217 19	15	½	100	71	97	27		3.49
1 4217 12	20	¾	100	71	97	32		6.11
1 4217 13	25	1	120	71	107	41		9.22
1 4217 14	32	1¼	140	71	112		50	18.83
1 4217 15	40	1½	150	71	112		55	23.29
1 4217 16	50	2	165	110	136		70	35.26
1 4217 17	65	2½	190	110	141		85	52.11

Fixed Differential Pressure Control Valve

4002 2x



4002 8x



Order number	DN	G	L	H1	H2	B	KVS
1 4002 21	15	G ¾	66	59	28	94	2.66
1 4002 22	20	G 1	76	60	29	94	4.36
1 4002 23	25	G 1¼	76	60	29	94	5.38
1 4002 24	32	G 1½	114	76	46	94	9.48
1 4002 25	40	G 1¾	132	86	55	94	14.95
1 4002 26	50	G 2	140	86	55	94	14.95
1 4002 81	15	G ¾	66	81	28	94	2.66
1 4002 82	20	G 1	76	82	29	94	4.36
1 4002 83	25	G 1¼	76	82	29	94	5.38
1 4002 84	32	G 1½	114	98	47	94	9.48
1 4002 85	40	G 1¾	132	108	55	94	14.95
1 4002 86	50	G 2	140	108	55	94	14.95

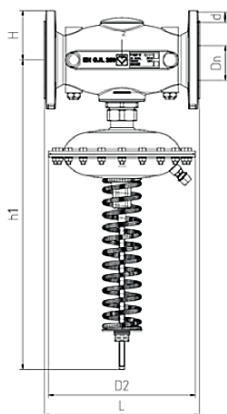
Technical data:

- Body material DZR
- Max operating pressure: 16 bar
- Max operating temperature: 130 °C up to DN32, 110 °C from DN40
- Min operating temperature: -20 °C
- Max Differential Pressure: 2 bar

Connections and actuators to be ordered separately
see pages 21 and 13 respectively

Fixed Differential Pressure Control Valve Flanged Differential Pressure Control Valve

F 4007 01 - 08



Technical data:

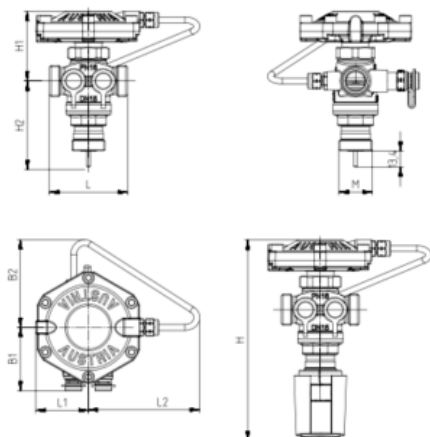
- Body material Cast Iron
- Max operating pressure: 16 bar
- Max operating temperature: 110 °C
- Min operating temperature: -10 °C
- Max Differential Pressure: 4 bar
- End flange: BS EN 1092-2 PN16

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 08	80	310	603	113	19	275	10-40
F 4007 18	80	310	588	113	19	156	20-80
F 4007 38	80 HF	310	603	113	19	275	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	808	222	23	275	50-150

BALANCING VALVES

Pressure Independent Control Valve

4006



Technical data:

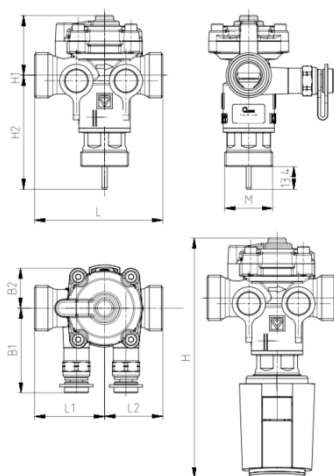
- Body material DZR
- Max operating pressure: 16 bar
- Max operating temperature: 130 °C up to DN32, 110 °C from DN40
- Min operating temperature: -20 °C
- Max Differential Pressure: 4 bar
- Stroke: 4mm
- Actuator mounting thread: M28 x 1.5
- Connection thread: ISO 228-1

Connections and actuators to be ordered separately see pages 21 and 13 respectively

Order number PN16	DN	l/h @ 100%	L	H1	H2	H	B1	B2	L1	L2	M
1 4006 11	15	430	66	59	75	189	54	74	45	94	28
1 4006 12	20	900	76	60	75	190	56	72	45	89	28
1 4006 13	25	1900	76	60	75	190	56	72	45	89	28
1 4006 14	32	2500	114	76	86	217	47	76	57	86	28
1 4006 15	40	5200	132	86	97	238	47	82	66	85	28
1 4006 16	50	4820	140	86	97	238	47	82	70	85	28

SMART Pressure Independent Control Valve

4006 SMART



Technical data:

- Body material DZR
- Max operating pressure: 16 bar
- Max operating temperature: 130 °C
- Min operating temperature: -20 °C
- Max Differential Pressure: 4 bar
- Stroke: 4mm
- Actuator mounting thread: M28 x 1.5
- Connection thread: ISO 228-1

Connections and actuators to be ordered separately see pages 21 and 13 respectively

Order number PN16	DN	l/h @ 100%	L	H1	H2	H	B1	B2	L1	L2	M
1 4006 20	15 LF	120	75	35	69	159	23	50	41	34	28
1 4006 29	15 MF	190	75	35	69	159	23	50	41	34	28
1 4006 21	15	400	75	35	69	159	23	50	41	34	28
1 4006 22	20	820	75	32	73	160	23	50	41	34	28
1 4006 72	20 HF	1750	75	32	73	160	23	50	41	34	28

4006



Setting Key

For Automatic Balancing Valve 4001
For Differential Pressure Control Valves 4002
For Pressure Independent Control Valves 4006

Order number

1 4006 02

Thermo-electric Actuator

7708

**Technical data:**

- CE to EN 60730
- 2 Point or pulse control (with Limit switches 1 7708 87)
- IP 54/II
- Red adapter ring supplied for M28 x 1.5

Order number	Type	Supply voltage	Dim.	Max stroke [mm]	Adapter	Cable	End switch	Actuating force	Power consumption
1 7708 52	NC	24 V	M28 x 1.5	5	M28 x 1.5 (red)	fix	no	100 N	1 W
1 7708 53	NC	230 V	M28 x 1.5	5	M28 x 1.5 (red)	fix	no	100 N	1 W
1 7708 24	NO	230 V	M28 x 1.5	5	M28 x 1.5 (red)	fix	no	100 N	1 W
1 7708 87	NC	230 V	M28 x 1.5	5	M28 x 1.5 (red)	fix	yes	100 N	1 W

7990

**Technical data:**

- CE to EN 60730
- Modulating 0-10VDC signal
- Proportional stroke recognition (1779032)
- IP 54/III
- Blue adapter ring supplied for M28 x 1.5

Order number	Type	Control	Supply voltage	Dim	Max stroke [mm]	Adapter	Actuating Force
1 7990 31	NC	0-10 V DC	24V	M28 x 1.5	5	M28 x 1.5 (blue)	100 N
1 7990 32	NC	0-10 V DC	24V	M28 x 1.5	6.5	M28 x 1.5 (blue)	125 N

Actuator Adapter Rings

7708-80



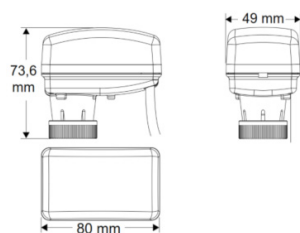
7708-98



Order number	Suitability
1 7708 80	to suit 7217-TS-98/99 only
1 7708 98	To suit M30 x 1.5 mounting threads only

Motorised Actuator

HVACT

**Technical data:**

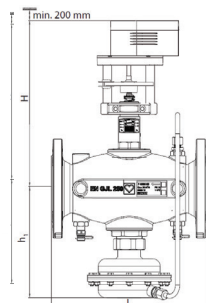
- CE to EMC Directives 2004/108/EC & 2006/95EC
- 3 point floating control (HVACT24-01 & HVACT230-01)
- Modulating 0-10VDC signal with Proportional stroke recognition (HVACTMOD24-01)
- IP 43 T50
- Direct mounting for M28 x 1.5

Order number	Type	Control	Supply voltage	Dim.	Stroke [mm]	Actuating Force
HVACT24-01	3 point	-	24 V	M28 x 1.5	6.3	140 N
HVACT230-01	3 point	-	230 V	M28 x 1.5	6.3	140 N
HVACTMOD24-01	Modulating	0-10 V DC	24 V	M28 x 1.5	6.3	160 N

BALANCING VALVES

Flanged Pressure Independent Control Valve

F4006



Technical data:

- Body material Cast Iron
- Max operating pressure: 16 bar
- Max operating temperature: 110 °C
- Min operating temperature: -20 °C
- Max Differential Pressure: 4 bar

Actuators to be ordered separately see page 15

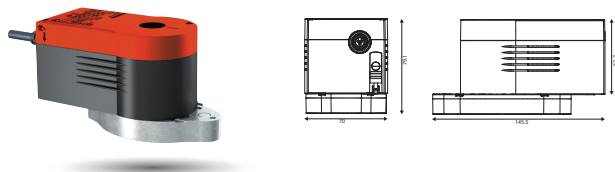
Order number PN16	DN	Stroke [mm]	l/hr	H	h1	L
F 4006 62	50	15	3,750 - 15,000	310	210	230
F 4006 63	65	15	5,000 - 20,000	310	210	290
F 4006 64	80	20	9,000 - 36,000	395	230	310
F 4006 65	100	20	10,750 - 43,000	395	232	350
F 4006 66	125	40	25,000 - 100,000	590	410	400
F 4006 56	125 HF	40	37,500 - 150,000	590	410	400
F 4006 67	150	40	36,250 - 145,000	595	425	480
F 4006 57	150 HF	40	50,000 - 200,000	595	425	480
F 4006 68	200	40	52,500 - 210,000	630	585	600
F 4006 58	200 HF	40	75,000 - 300,000	630	585	600
F 4006 48	200 UHF	40	87,500 - 350,000	630	585	600
F 4006 59	250 HF	40	102,500 - 410,000	665	620	730

F4006 Actuator Selection

DN	230V 2/3 point		24V 2/3 point Modulating 0-10V DC		24V 2/3 point Modulating 0-10V DC		230V 2/3 point Module req 1 7712 22 24V AC 0-10V DC	
	1 7712 28	1 7712 30	1 7712 29	1 7712 31	1 7712 21	1 7712 32	1 7712 21	1 7712 32
50	X	-	X	-	-	-	-	-
65	X	-	X	-	-	-	-	-
80	-	X	-	X	-	-	-	-
100	-	X	-	X	-	-	-	-
125	-	-	-	-	X	-	X	-
150	-	-	-	-	X	-	X	-
200	-	-	-	-	X	-	X	-
250	-	-	-	-	X	-	X	-

Motorised Actuator for Flanged Control Valves

7712

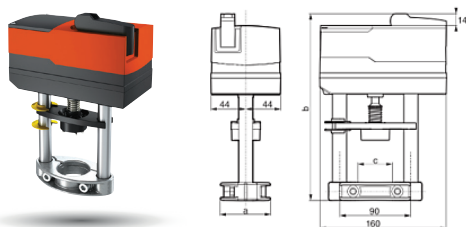


Technical data:

- CE to EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
- 2/3-point control (1771228)
- 2/3-point control - Modulating 0-10VDC signal with Proportional stroke recognition (1771229)
- IP 54
- 1771220 mounting adapter required

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 s/mm	IP54

7712

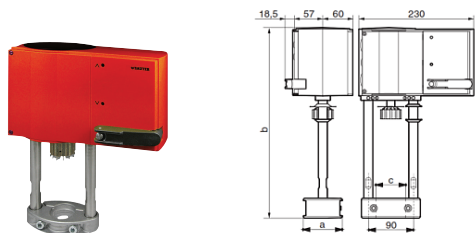


Technical data:

- CE to EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
- 2/3-point control (1771230)
- 2/3-point control - Modulating 0-10VDC signal with Proportional stroke recognition (1771231)
- IP 66
- 1771217 mounting adapter required

Order number	Nominal voltage	Actuating force	Stroke [mm]	Operating time	Degree of protection IEC/EN	A	B	C
1 7712 30	230 V/AC	1000 N	20	6 s/mm	IP66	58	289	38
1 7712 31	AC/DC 24 V	1000 N	20	6 s/mm	IP66	78	382	60

7712



Technical data:

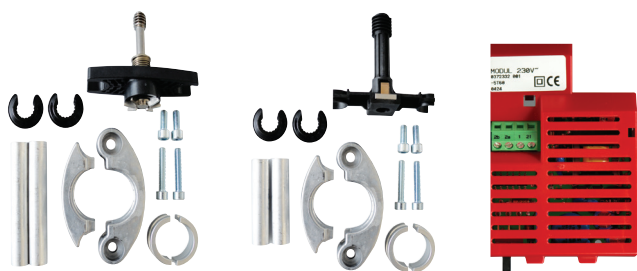
- CE to EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
- 2/3-point control - Modulating 0-10VDC signal with Proportional stroke recognition
- Can be fitted with 230V module 1771222
- IP 66

Order number	Nominal voltage	Actuating force	Stroke [mm]	Operating time	Degree of protection IEC/EN	A	B	C
1 7712 21	24 V / AC / DC	2500 N	49	2/4/6 s/mm	IP66	58	289	38
1 7712 32	24 V / AC / DC	2500 N	49	2/4/6 s/mm	IP66	78	382	60

7712-17

7712-20

7712-22



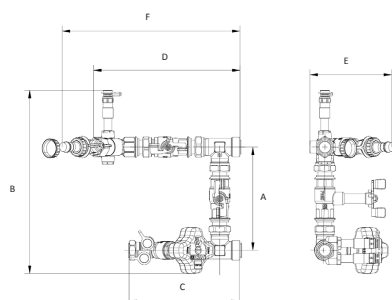
Adapters for HERZ actuators for control valves 24 V AC/DC

Order number	Actuator suitability
1 7712 17	1 7712 30 & 1 7712 31
1 7712 20	1 7712 28 & 1 7712 29
1 7712 22	1 7712 21 & 1 7712 32

BALANCING VALVES

Connect 4 CS

4500 0x



Connect 4 for terminal units with Commissioning Valve

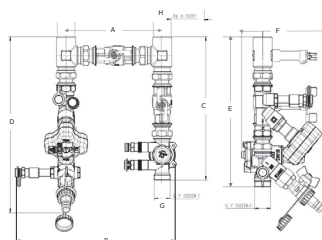
Technical data:

- Min. operating temperature: - 20 °C
- Max. operating temperature: up to 130 °C
- Pressure rating: PN 16

Order number	DN	A	B	C	D	E	F	kv max	kvs orifice
1 4500 11	15 LF	158	275	166	215	124	259	0.43	0.48
1 4500 21	15 MF	158	275	166	215	124	259	0.75	0.97
1 4500 01	15	158	275	166	215	124	259	1.39	1.95
1 4500 02	20	166	283	175	232	126	281	2.19	3.95
1 4500 03	25	209	332	185	290	136	332	5.06	7.9

Connect 4 PICV

4500 4x



Connect 4 for terminal units with Pressure Independent Control Valve

Technical data:

- Min. operating temperature: - 20 °C
- Max. operating temperature: up to 100 °C
- Pressure rating: PN 16

Connections and actuators to be ordered separately see pages 21 and 13 respectively

Order number	DN	A	B	C	D	E	F	G (G)	H (RP)	kvs orifice
1 4500 40	15 ULF	158	265	235	306	264	137	G ¾	½"	0.19
1 4500 49	15 LF	158	265	235	289	246	137	G ¾	½"	0.51
1 4500 41	15 MF	158	265	235	289	246	137	G ¾	½"	1.01
1 4500 44	15	158	265	235	289	246	137	G ¾	½"	1.89
1 4500 42	20	170	277	244	335	289	132	G 1	¾"	4.63
1 4500 39	20 HF	170	277	244	335	289	132	G 1	¾"	4.63
1 4500 43	25	209	374	270	340	304	172	G 1¼	1"	8.52

Hose Union for Strainer Drain Valve

6206

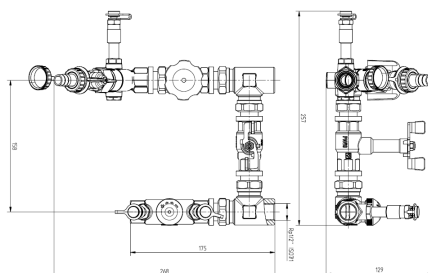


Order number

1 6206 01

Connect 4 RP

4500 0x



Connect 4 for radiant panels with Thermostatic Control Valve

Technical data:

- Min. operating temperature: - 10 °C
- Max. operating temperature: up to 120 °C
- Pressure rating: PN 16

Actuators or remote adjusters to be ordered separately see page 13

Order number	DN	Insert	Preset 1 kvs	Preset 2 kvs	Preset 3 kvs	Preset 4 kvs	Preset 5 kvs	Preset 6 kvs
1 4500 66	15	TS-99-FV	0.019	0.042	0.091	0.158	0.266	0.291
1 4500 67	15	TS-98-V	0.14	0.3	0.42	0.5	0.53	0.56

Actuator adapter for Connect 4 RP

7708



Order number
1 7708 80

Adapter for HERZ Actuator, grey for use with thermostatic valves 7217

Thermostatic Remote Adjuster

9330

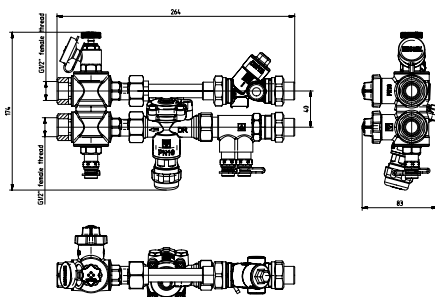


Order number	Dim.	Temperature range	Capillary length
1 9330 05	M28 x 1.5	6 - 28 °C	2m
1 9330 10	M28 x 1.5	6 - 28 °C	5m
1 9330 18	M28 x 1.5	6 - 28 °C	8m
1 9330 20	M28 x 1.5	6 - 28 °C	10m

BALANCING VALVES

Compact Connect 4 H

4600



Connect 4 for direct mounting to terminal unit 40mm centre copper tails with Pressure Independent Control Valve

Fan coil tails in horizontal orientation

Technical data:

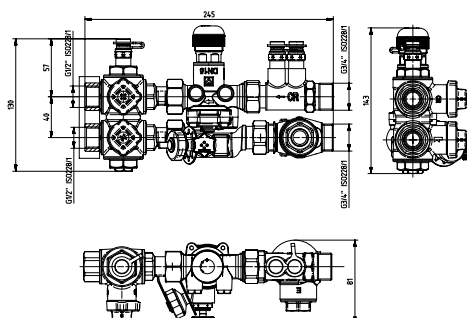
- Min. operating temperature: - 20 °C
- Max. operating temperature: up to 130 °C
- Pressure rating: PN 16

FCU connections & Actuators to be ordered separately
see page 13

Order number Flow on right (RH)	Order number Flow on left (LH)	FCU 15mm Cu connections	FCU 22mm Cu connections	DN	A	B	G (Rp)	kvs orifice
1 4600 38	1 4700 08	1 6236 11	-	15 ULF	264	174	½"	0.19
1 4600 30	1 4700 00	1 6236 11	-	15 LF	264	174	½"	0.52
1 4600 39	1 4700 09	1 6236 11	-	15 MF	264	174	½"	1.06
1 4600 31	1 4700 01	1 6236 11	-	15	264	174	½"	1.62
1 4600 36	1 4700 06	1 6236 02	1 6236 22	20	267	180	¾"	3.39
1 4600 37	1 4700 07	1 6236 02	1 6236 22	20 HF	267	180	¾"	None

Compact Connect 4 V

4700



**Fan coil tails in vertical orientation
Flow on the bottom, return on the top**

Technical data:

- Min. operating temperature: - 20 °C
- Max. operating temperature: up to 130 °C
- Pressure rating: PN 16

FCU connections & Actuators to be ordered separately
see page 13

Order number Right Hand	Order number Left Hand	FCU 15mm Cu connections	FCU 22mm Cu connections	DN	A	B	G (Rp)	kvs orifice
1 4700 28	1 4700 38	1 6236 11	-	15 ULF	265	158	½"	0.19
1 4700 20	1 4700 30	1 6236 11	-	15 LF	265	158	½"	0.52
1 4700 29	1 4700 39	1 6236 11	-	15 MF	265	158	½"	1.06
1 4700 21	1 4700 31	1 6236 11	-	15	265	158	½"	1.62
1 4700 26	1 4700 36	1 6236 02	1 6236 22	20	269	154	¾"	3.39
1 4700 27	1 4700 37	1 6236 02	1 6236 22	20 HF	269	154	¾"	none

HerzCON

4600



Pressure Independent Connect 4 with insulation

Technical data:

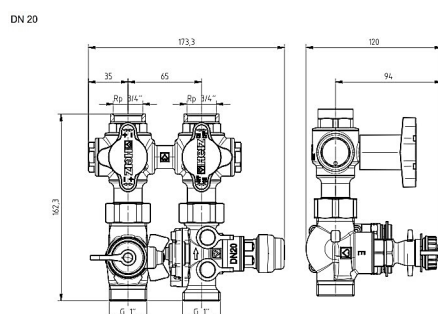
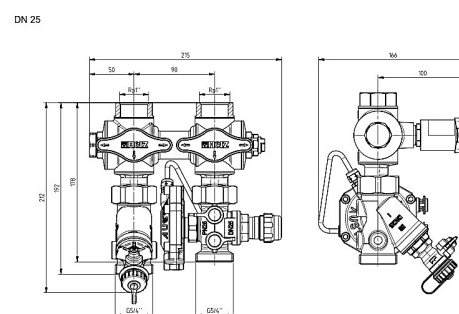
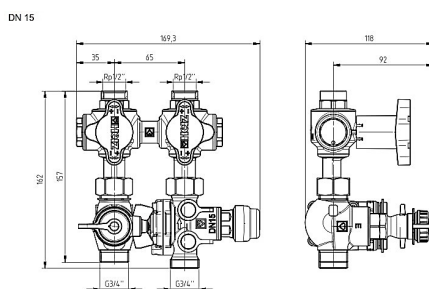
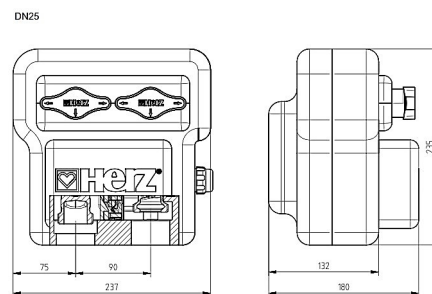
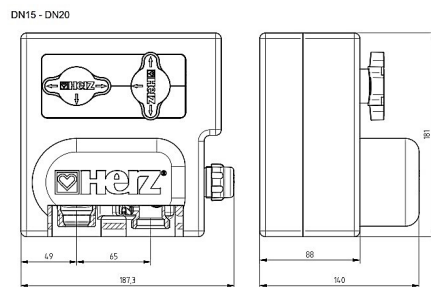
- Max. operating pressure: 25 bar
- Min. operating temperature: - 20 °C
- Max. operating temperature: 130 °C
- Lift: 4 mm

Isolation box (fire behaviour):

<u>Method</u>	<u>Class</u>
DIN EN ISO 11925-2	E
DIN 4102-1	B2
FMVSS 302	fulfilled
UL 94	HBF

Connections and actuators to be ordered separately see pages 103 and 13 respectively

Order number inc insulation	DN	Flow rate (l/h)
1 4600 50	15LF	20 - 100
1 4600 59	15MF	40 - 200
1 4600 51	15	80 - 400
1 4600 52	20	200 - 800
1 4600 57	20HF	350 - 1750
1 4600 58	25	100 - 1900



BALANCING VALVES

Test Points

0284



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

Order number	Dim.
1 0284 01	¼



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

Order number	Dim.
1 0284 02	¼



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 11	¼



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 12	¼



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

Order number	Dim.
1 0284 21	¼



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

Order number	Dim.
1 0284 22	¼



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

Order number	Dim.
1 0284 03	¼



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

Order number	Dim.
1 0284 04	¼

Digital Manometer

8900



Order number	Description	IP
1890005	Digital Manometer	65

Technical data:

- Max operating pressure: 12 bar
- Measuring range: 0 – 10 bar
- Bluetooth connection
- IOS & Android compatible

Accessories for Differential Pressure Controllers 4002

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	Dim.
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	Dim.
1 4007 79	1.0 m
1 4007 80	1.5 m
1 4002 80	2.0 m

Copper End Connections for PICV & DPCV

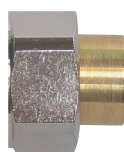
6274



6273



6236



Technical data:

6273/4

- DIN 3838 (Eurocone)
- Material: Nickel plated brass
- O ring: EPDM
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C

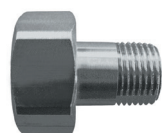
6236

- Material: Nickel plated brass
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C

Order number	Size	Cu size	SW
1 6274 03	DN15	15	30
1 6273 01	DN20	22	36
1 6236 22	DN20 HF	22	36
1 6236 63	DN25	28	46
1 6236 64	DN32	35	52
1 6236 65	DN40	42	60
1 6236 66	DN50	54	75

Steel End Connections for PICV & DPCV

6210



6220



Technical data:

6210

- DIN 3838 (Eurocone)
- Material: Nickel plated brass
- O ring: EPDM
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C

6220

- Material: Nickel plated brass
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C

Order number	Size	Thread R	SW
1 6210 21	DN15	1/2"	30
1 6210 02	DN20	3/4"	36
1 6220 12	DN20 HF	3/4"	36
1 6220 63	DN25	1"	46
1 6220 64	DN32	1 1/4"	52
1 6220 65	DN40	1 1/2"	60
1 6220 66	DN50	2"	75

Smartno, Slovenia





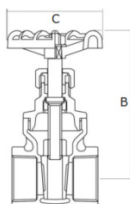
02/ General Valves

Premium functionality

GENERAL VALVES

Gate Valve with non-rising spindle

HV5516



Technical data:

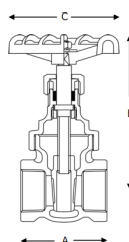
- BS EN 12288:2010
- Body material Bronze
- Max operating pressure: 16 bar
- Max operating temperature: 170 °C
- Min operating temperature: -10 °C
- Connection thread: ISO 7-1 Rc

Order number	DN	Rc	A	B	C
HV5516-01	15	½	47	76	54
HV5516-02	20	¾	51	84	58
HV5516-03	25	1	54	95	64
HV5516-04	32	1¼	59	116	70
HV5516-05	40	1½	64	127	74
HV5516-06	50	2	71	151	85

Gate Valve with non-rising spindle

HV5520

5520LS



Technical data:

- UK Water Reg 4 Compliant
- BS EN 12288:2010
- Body material Bronze
- Max operating pressure: 20 bar
- Max operating temperature: 180 °C
- Min operating temperature: -10 °C
- Connection thread: ISO 7-1 Rc



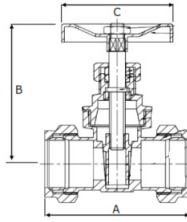
Order number Handwheel	Order number Lockshield	DN	Rc	A	B	C
HV5520-01	HV5520LS-01	15	½	48	78	53
HV5520-02	HV5520LS-02	20	¾	52	94	64
HV5520-03	HV5520LS-03	25	1	59	109	69
HV5520-04	HV5520LS-04	32	1¼	63	120	80
HV5520-05	HV5520LS-05	40	1½	67	142	89
HV5520-06	HV5520LS-06	50	2	74	163	102

Compression Gate Valve

HV5154CXC



HV5154CXCLS



Technical data:

- 15 - 28mm Handwheel only UK Water Reg 4 Compliant
- BS EN 12288:2010
- Body material Brass
- Max operating pressure: 16 bar
- Max operating temperature: 120 °C
- Compression ends to BS EN 1254-2



Order number Handwheel	Order number Lockshield	DN	Cu	A	B	C
HV5154CXC-01	HV5154CXCLS-01	15	15	61.6	65	50.3
HV5154CXC-02	HV5154CXCLS-02	20	22	68.2	75.5	50.3
HV5154CXC-03	HV5154CXCLS-03	25	28	75.5	85.4	59
HV5154CXC-04	-	32	35	91.8	128.3	78.1
HV5154CXC-05	-	40	42	98.7	146.6	98.5
HV5154CXC-06	-	50	54	117	169.7	98.5

Lockshield key for HV4145XCXLS0x

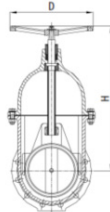
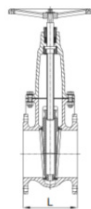


Order number

HVLSKEY-01

Gate Valve flanged version

HV5150



Technical data:

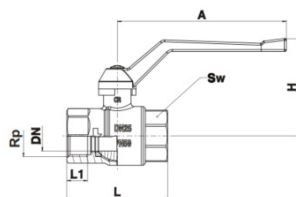
- BS EN 1171
- Body material Ductile Iron
- Max operating pressure: 16 bar
- Max operating temperature: 120 °C
- Min operating temperature: -10 °C
- Flanged to BS EN 1092-2 PN16

Order number	DN	L	D	H
HV5150-07	65	190	175	300
HV5150-08	80	203	255	355
HV5150-09	100	229	255	390
HV5150-10	125	254	305	461
HV5150-11	150	267	305	513
HV5150-12	200	292	355	616
HV5150-13	250	330	405	705
HV5150-14	300	356	405	800

GENERAL VALVES

Ball Valve

2190 0X



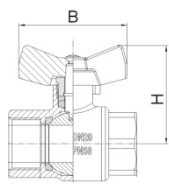
Technical data:

- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: As per data table
- Max operating temperature: 150 °C
- Min operating temperature: -30 °C
- Connection thread: ISO 228-1



Order number	DN	PN	Rp	L	L1	H	A	Sw	kv
1 2190 01	15	50	½	59	13	53	90	25	17
1 2190 02	20	50	¾	65	14	56	90	32	34
1 2190 03	25	50	1	80.5	16.5	77	135	41	55
1 2190 04	32	40	1¼	91	17	81	135	48	102
1 2190 05	40	40	1½	104	19.5	95	180	55	165
1 2190 06	50	40	2	125.5	22.5	101	180	70	270

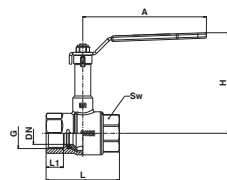
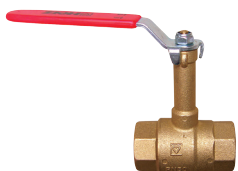
Tee handle for 2190 0x



Order number	To suit	DN	B	H
2126620R	DN15 & 20	15	55	47
2126620R	DN15 & 20	20	55	53
2146628R	DN25 & 32	25	75	57
2146628R	DN25 & 32	32	75	60

Ball Valve with extended stem

2190 2X



Technical data:

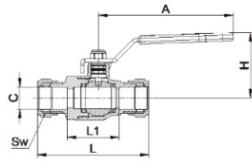
- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 25 bar
- Max operating temperature: 130 °C
- Min operating temperature: -10 °C
- Connection thread: ISO 228-1



Order number	DN	PN	G	L	H	A	Sw	kv
1 2190 21	15	25	½	59	90	90	25	17
1 2190 22	20	25	¾	65	93	90	32	34
1 2190 23	25	25	1	80.5	107	135	41	55
1 2190 24	32	25	1¼	91	111	135	48	102
1 2190 25	40	25	1½	100	136	180	55	165
1 2190 26	50	25	2	118	144	180	68	270

Compression Ball Valve Red Lever

2190 4X



Technical data:

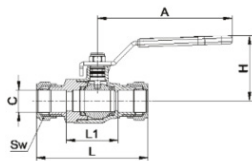
- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 16 bar
- Max operating temperature: 120 °C
- Compression ends to BS EN 1254-2



Order number	DN	Cu	C	L	L1	H	A	Sw	kv
1 2190 41	15	15	15.2	76.5	35.5	47	90	24	17
1 2190 42	20	22	22.2	81	37	49	90	32	34
1 2190 43	25	28	28.1	95	44.4	61	135	37	55
1 2190 44	32	35	35.1	108.5	54.6	65	135	46	102
1 2190 45	40	42	42.2	122	60	84	180	60	165
1 2190 46	50	54	54.4	134	72	90	180	70	270

Compression Ball Valve Blue Lever

2190 5X



Technical data:

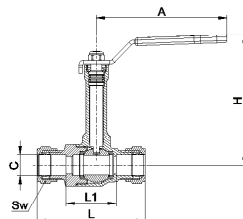
- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 16 bar
- Max operating temperature: 120 °C
- Compression ends to BS EN 1254-2



Order number	DN	Cu	C	L	L1	H	A	Sw	kv
1 2190 51	15	15	15.2	76.5	35.5	47	90	24	17
1 2190 52	20	22	22.2	81	37	49	90	32	34
1 2190 53	25	28	28.1	95	44.4	61	135	37	55
1 2190 54	32	35	35.1	108.5	54.6	65	135	46	102
1 2190 55	40	42	42.2	122	60	84	180	60	165
1 2190 56	50	54	54.4	134	72	90	180	70	270

Ball Valve with extended stem

2190 6X



Technical data:

- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 16 bar
- Max operating temperature: 120 °C
- Compression ends to BS EN 1254-2



Order number	DN	Cu	C	L	L1	H	A	Sw	kv
1 2190 61	15	15	15.2	76.5	35.5	94	90	24	17
1 2190 62	20	22	22.2	81	37	97	90	32	34
1 2190 63	25	28	28.1	95	44.4	110	135	37	55
1 2190 64	32	35	35.1	108.5	54.6	114	135	46	102
1 2190 65	40	42	42.2	122	60	135	180	60	165
1 2190 66	50	54	54.4	134	72	142	180	70	270

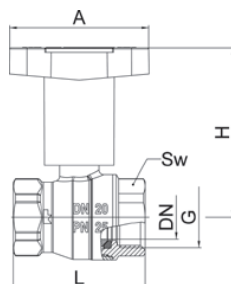
GENERAL VALVES

Ball Valve with Tee handle

2206 red plastic



2206 blue plastic



Technical data:

- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 25 bar
- Max operating temperature: 150 °C
- Min operating temperature: -30 °C
- Connection thread: ISO 228-1



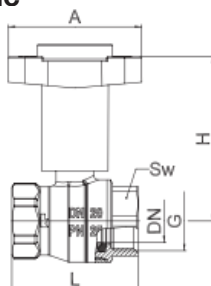
Order number Red handle	Order number Blue handle	DN	PN	G	L	H	A	Sw
1 2206 41	1 2206 51	15	25	½	51	70	60	25
1 2206 42	1 2206 52	20	25	¾	57	73	60	31
1 2206 43	1 2206 53	25	25	1	73	82	85	39
1 2206 44	1 2206 54	32	25	1¼	84	88	85	48
1 2206 45	1 2206 55	40	25	1½	95	120	120	55
1 2206 46	1 2206 56	50	25	2	112	126	120	70

Ball Valve with Tee handle and temperature gauge

2206 red plastic



2206 blue plastic



Technical data:

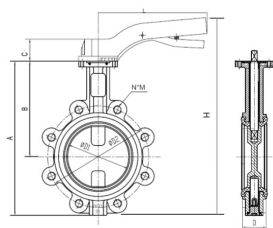
- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 25 bar
- Max operating temperature: 150 °C
- Min operating temperature: -30 °C
- Connection thread: ISO 228-1



Order number Red handle	Order number Blue handle	DN	PN	G	L	H	A	Sw
1 2206 61	1 2206 71	15	25	½	51	70	60	25
1 2206 62	1 2206 72	20	25	¾	57	73	60	31
1 2206 63	1 2206 73	25	25	1	73	82	85	39
1 2206 64	1 2206 74	32	25	1¼	84	88	85	48
1 2206 65	1 2206 75	40	25	1½	95	120	120	55
1 2206 66	1 2206 76	50	25	2	112	126	120	70

Fully-lugged Level Butterfly Valve

HV-BF-FLL



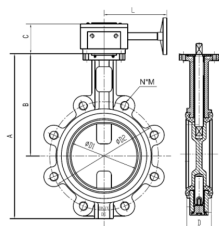
Technical data:

- UK Water Reg 4 Compliant
- EN 593
- Body material Cast Iron
- Max operating pressure: 16 bar
- Max operating temperature: 120 °C
- Min operating temperature: -10 °C
- End flange: BS EN 1092-2 PN16



Order number	DN	A	B	C	D	L	H	ØD1	ØD2	N*M
HV-BF-FLL-06	50	189	126	35	43	200	255	51.2	125	4 x M16
HV-BF-FLL-07	65	202	133	35	46	200	268	65.6	145	4 x M16
HV-BF-FLL-08	80	238	152	35	46	200	308	80	160	8 x M16
HV-BF-FLL-09	100	276	170	45	52	280	355	102.2	180	8 x M16
HV-BF-FLL-10	125	296	181	45	56	280	388	125.6	210	8 x M16
HV-BF-FLL-11	150	324	196	45	56	280	412	150.6	240	8 x M20

HV-BF-FLG



Technical data:

- UK Water Reg 4 Compliant
- EN 593
- Body material Cast Iron
- Max operating pressure: 16 bar
- Max operating temperature: 120 °C
- Min operating temperature: -10 °C
- End flange: BS EN 1092-2 PN16

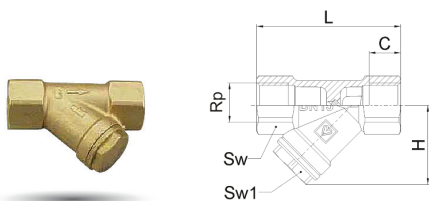


Order number	DN	A	B	C	D	L	ØD1	ØD2	N*M
HV-BF-FLG-06	50	189	126	72	43	112	51.2	125	4 x M16
HV-BF-FLG-07	65	202	133	72	46	112	65.6	145	4 x M16
HV-BF-FLG-08	80	238	152	72	46	112	80	160	8 x M16
HV-BF-FLG-09	100	276	170	72	52	112	102.2	180	8 x M16
HV-BF-FLG-10	125	296	181	72	56	112	125.6	210	8 x M16
HV-BF-FLG-11	150	324	196	72	56	112	150.6	240	8 x M20
HV-BF-FLG-12	200	398	238	84	60	171	200.4	295	12 x M20
HV-BF-FLG-13	250	448	258	84	68	171	249	355	12 x M24
HV-BF-FLG-14	300	535	300	85	78	224	295	410	12 x M24

GENERAL VALVES

Strainer

2662



Technical data:

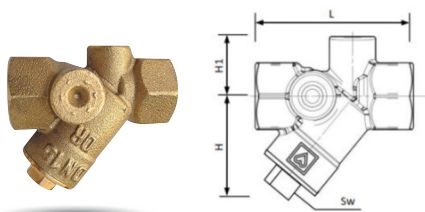
- UK Water Reg 4 Compliant (1 2662 1x)
- Body material Brass / DZR
- Max operating pressure: 25 bar
- Max operating temperature: 130 °C
- Min operating temperature: -30 °C
- Connection thread: ISO 228-1
- Mesh size 0.5mm



Order number Brass	Order number DZR	DN	Rp	C	L	H	SW	SW1	Kvs
1 2662 01	1 2662 11	15	½	15	68	37	25	22	2.55
1 2662 02	1 2662 12	20	¾	16.3	80	46	32	24	5.60
1 2662 03	1 2662 13	25	1	19	90	54	41	25	8.20
	1 2662 14	32	1¼	14	93	62	47	32	16.5
	1 2662 15	40	1½	16	105	69	54	36	27.4
	1 2662 16	50	2	18	125	83	67	46	36.7

Strainer

4111



Technical data:

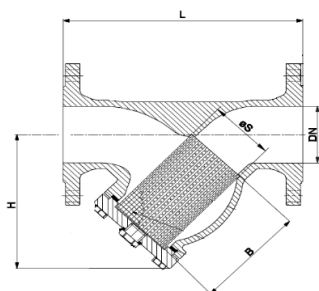
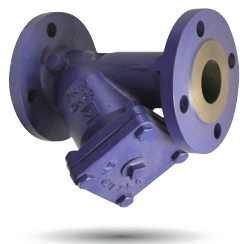
- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 25 bar
- Max operating temperature: 110 °C
- Min operating temperature: -10 °C
- Connection thread: ISO 228-1
- Mesh size 0.75mm



Order number	DN	G	L	H	H1	SW	Kvs
1 4111 17	65	2½	180	118	53	32	64.3
1 4111 18	80	3	220	137	61	32	148.6

Cast Iron Strainer

4111

**Technical data:**

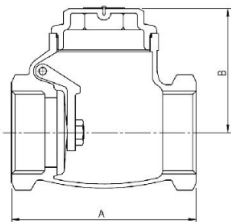
- Body material Cast Iron
- Max operating pressure: 16 bar
- Max operating temperature: 120 °C
- Min operating temperature: -10 °C
- Flanged to BS EN 1092-2 PN16

Order number	DN	Dim.	Mesh	B	H	L	S	Kvs
4 4111 81	65	2 1/2	2.0	132	165	290	78	70
4 4111 82	80	3	2.0	149	175	310	90	114
4 4111 83	100	4	2.0	192	236	350	109	197
4 4111 84	125	5	2.0	227	267	400	135	271
4 4111 85	150	6	2.0	244	298	480	160	349
4 4111 86	200	8	4.0	313	340	600	210	449
4 4111 87	250	10	4.0	395	390	730	258	994
4 4111 88	300	12	4.0	425	440	850	308	1566

GENERAL VALVES

Bronze Swing Check Valve

HVCH25



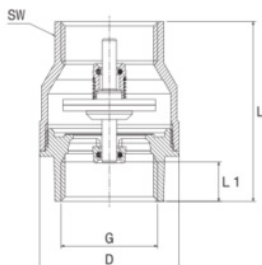
Technical data:

- BS 5154:1991
- Body material Bronze
- Max operating pressure: 25 bar
- Max operating temperature: 180 °C
- Min operating temperature: -10 °C
- Connection thread: ISO 7-1 Rc

Order number	DN	Rc	A	B
HVCH25-01	15	½	66	45
HVCH25-02	20	¾	70	49
HVCH25-03	25	1	83	58
HVCH25-04	32	1¼	96	65
HVCH25-05	40	1½	108	73
HVCH25-06	50	2	128	89

DZR Spring Check Valve

2622



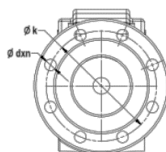
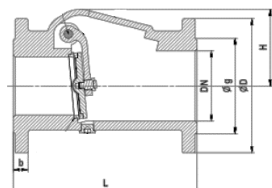
Technical data:

- BS EN 13959
- Body material Brass
- Max operating pressure: 25 bar
- Max operating temperature: 100 °C
- Connection thread: ISO 228-1

Order number	DN	G	L	L1	D	Sw
1 2622 41	15	½	47	9.6	29	25
1 2622 42	20	¾	52	11.2	38	31
1 2622 43	25	1	62	13.5	48	38
1 2622 44	32	1¼	65	12.5	56	47
1 2622 45	40	1½	73	14.5	69	54
1 2622 46	50	2	80	16	83	66

Swing Check Valve

2622

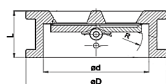
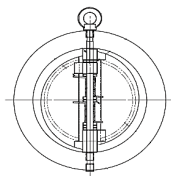
**Technical data:**

- BS EN 12334
- Body material Cast Iron
- Max operating pressure: 16 bar
- Max operating temperature: 110 °C
- Min operating temperature: -10 °C

Order number PN16	DN	L	H	D	k	g	b	d	n	
4 2622 21	65	240	87	185	145	118	20	19	4	10.5
4 2622 22	80	260	104	200	160	132	22	19	8	14
4 2622 23	100	300	125	220	180	156	24	19	8	20
4 2622 24	125	350	157	250	210	184	26	19	8	30
4 2622 25	150	400	186	285	140	211	26	23	8	43
4 2622 26	200	500	240	340	295	266	20	23	12	70
4 2622 27	250	600	295	405	355	319	22	28	12	120
4 2622 28	300	700	372	460	410	370	25	28	12	164

Wafer Check Valve

2622

**Technical data:**

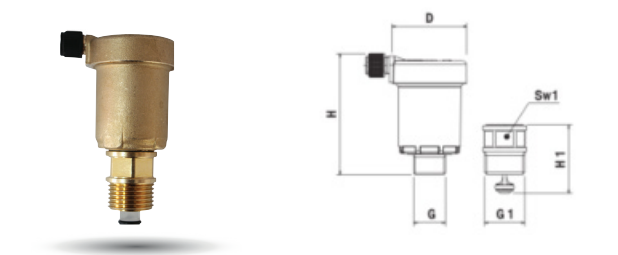
- BS EN 1266-1
- Body material Cast Iron
- Max operating pressure: 16 bar
- Max operating temperature: 110 °C
- Min operating temperature: -10 °C

Order number	DN	Dim.	L	Ød	ØD	R
4 2622 31	65	2 1/2	46	73	127	36
4 2622 32	80	3	64	89	142	45
4 2622 33	100	4	64	114	160	56
4 2622 34	125	5	70	141	192	70
4 2622 35	150	6	76	168	213	83
4 2622 36	200	8	89	219	270	105
4 2622 37	250	10	114	273	334	135
4 2622 38	300	12	114	324	380	156

GENERAL VALVES

Automatic Air Vent

2630



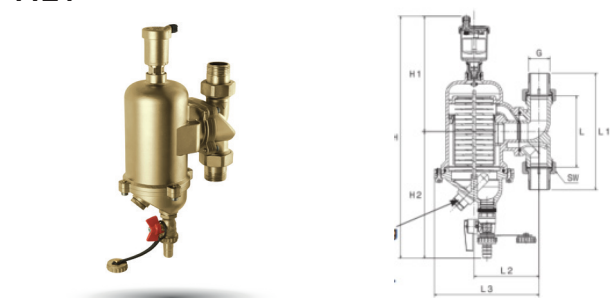
Technical data:

- Body material Brass
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C
- Min operating temperature: 0 °C

Order number	PN	D	G	G1	H	H1	Sw	Sw1
1 2630 00	12	40	¾	¾	56	30	38	22
1 2630 01	12	40	¾	½	56	26	38	22

Air & dirt separator

1124



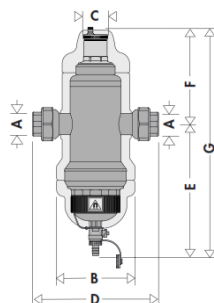
Technical data:

- Body material DZR
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C
- Connection thread: ISO 228-1

Order number	DN	G	L	L1	L2	L3	H	H1	H2	SW
1 1124 02	20	¾	110	210	100	161	373	178	195	47
1 1124 03	25	1	110	180	100	161	373	178	195	47

Air & Dirt Separator

HVADS

**Technical data:**

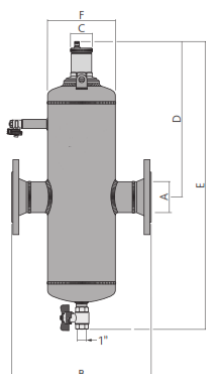
- Body material Epoxy coated steel
- Max discharge pressure: 10 bar
- Max operating temperature: 110 °C
- Min operating temperature: 0 °C
- Minimum particle size: 5 µm
- Connection thread: ISO 228-1

Material: closed cell expanded PE-X
 Thickness: 20mm
 Density: inner 30kg/m³, outer 80 kg/m³
 Thermal conductivity: 0.038 (0°C) 0.045 (40°C) W/m.K
 Operating temperature range: 0 – 100°C
 Reaction to fire (DIN4102): class B2

Order number	DN	A	B	C	D	E	F	G
HVADS-05	40	1½	180	55	283	297	218.5	515.5

Air & Dirt Separator

HVADS

**Technical data:**

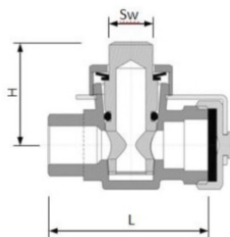
- Body material Epoxy coated steel
- Max discharge pressure: 10 bar
- Max operating temperature: 110 °C
- Min operating temperature: 0 °C
- Minimum particle size: 5 µm
- Connection thread: ISO 228-1

Order number	DN	Dim A	B	C	D	E	F
HVADS-06	50	2	350	55	374	775	169
HVADS-07	65	2½	350	55	374	775	169
HVADS-08	80	3	466	55	436	912	219
HVADS-09	100	4	470	55	436	912	219
HVADS-10	125	5	635	55	541	1245	324
HVADS-11	150	6	635	55	541	1245	324

GENERAL VALVES

Brass Drain Cock PN10

4119



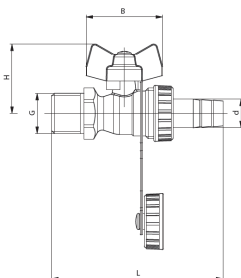
Technical data:

- Body material Brass
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C
- Connection thread: ISO 228-1

Order number	DN	G	L	H	Sw
1 4119 01	15	½	54	38	12
1 4119 02	20	¾	65	41	12

Brass Hose Union Ball Valve PN10

2512



Technical data:

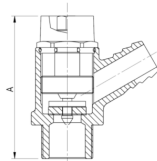
- UK Water Reg 4 Compliant
- Body material Brass
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C
- Connection thread: ISO 228-1



Order number	PN	DN	G	L	d	H	B	Sw
1 2512 01	25	15	½	83	15	37	40	24
1 2512 02	25	20	¾	98	19	40	40	30

Brass Drain Tap PN10

HV2879



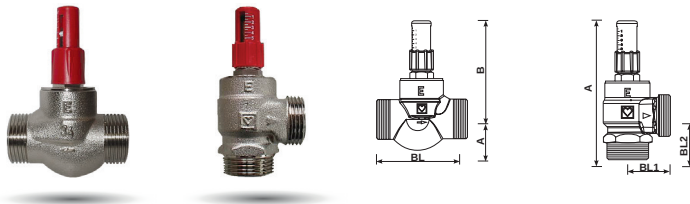
Technical data:

- Body material Bronze
- Max operating pressure: 13 bar
- Max operating temperature: 120 °C
- Connection thread: BSPT

Order number	DN	Dim.	A
HV 2879 01	15	½	55
HV 2879 02	20	¾	65

Differential Pressure Overflow Valve

4004



Technical data:

- Body material Brass
- Max operating pressure: 10 bar
- Max operating temperature: 120 °C
- Min operating temperature: 0 °C

Connection thread: ISO 228-1

Connections to be ordered separately, see page 87

Order number	Dim.	Model	Threaded connection	A	B	BL	BL1	BL2
1 4004 31	DN 15	straight	G ¾	26	82	69.5	-	-
1 4004 32	DN 20	straight	G 1	26	82	75	-	-
1 4004 41	DN 15	angle	G ¾	101	-	-	32	25
1 4004 42	DN 20	angle	G 1	111	-	-	34	34.5

End Connections for 4004

6236

6220



Technical data:

- Material: Nickel plated brass
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C

Order number Copper	Order number Steel	Size	Cu	Thread R	SW
1 6236 11	1 6220 21	15	15	½"	30
1 6236 22	1 6220 12	20	22	¾"	36

Pressure Relief Safety Valve

26xx



Technical data:

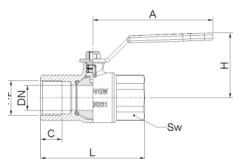
- EN ISO 4126
- Body material Brass
- Max operating pressure: as per table
- Max operating temperature: 110 °C
- Min operating temperature: 0 °C
- Connection thread: ISO 228-1

Order number	DN	Outlet pressure	Boiler output	G	G1	L	H	Sw
1 2611 01	15	2.5 bar	75 W	½	¾	32	72	27
1 2612 01	15	3 bar	75 W	½	¾	32	72	27
1 2615 01	15	4 bar	75 W	½	¾	32	72	27
1 2613 01	15	6 bar	75 W	½	¾	32	72	27
1 2618 02	20	1.8 bar	100 W	¾	1	35	72	32
1 2604 02	20	2.5 bar	100 W	¾	1	35	72	32
1 2605 02	20	3 bar	100 W	¾	1	35	72	32
1 2606 02	20	6 bar	150 W	¾	1	35	72	32
1 2607 03	25	2.5 bar	200 W	1	1¼	50	97	41
1 2608 03	25	3 bar	200 W	1	1¼	50	97	41
1 2647 03	25	4 bar	200 W	1	1¼	50	97	41
1 2657 03	25	5 bar	200 W	1	1¼	50	97	41
1 2667 03	25	6 bar	200 W	1	1¼	50	97	41
1 2687 03	25	8 bar	200 W	1	1¼	50	97	41
1 2697 03	25	10 bar	200 W	1	1¼	50	97	41
1 2609 04	32	2.5 bar	350 W	1¼	1½	52	97	50
1 2610 04	32	3 bar	350 W	1¼	1½	52	97	50
1 2669 04	32	6 bar	350 W	1¼	1½	52	97	50
1 2689 04	32	8 bar	350 W	1¼	1½	52	97	50

GENERAL VALVES

Gas Ball Valve

2300

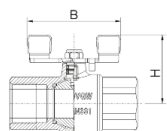
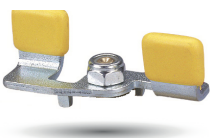


Technical data:

- EN331
- Body material Brass
- Max operating pressure: For MOP5 gas PN1 (HTB 650 °C/30min)
- Max operating temperature: 60 °C
- Min operating temperature: -20 °C
- Connection thread: ISO 228-1

Order number Lever	DN	Rp - R	A	C	H	L	Sw
1 2300 00	10	3/8	71	11.4	40	60	21
1 2300 01	15	1/2	90	15	47	75	26
1 2300 02	20	3/4	90	16.3	49	80	32
1 2300 03	25	1	135	19.1	61	90	41
1 2300 04	32	1 1/4	135	21.4	65	110	50
1 2300 05	40	1 1/2	180	21.4	84	120	55
1 2300 06	50	2	180	25.7	90	140	70

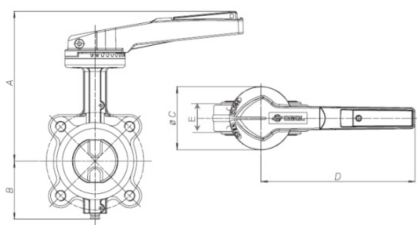
Tee handle for 2300 0x



Order number	To suit	DN	B	H
2126629R	DN15 & 20	15	60	42
2126629R	DN15 & 20	20	60	45
2144630R	DN25 & 32	25	85	63
2144630R	DN25 & 32	32	85	67

Gas Fully-lugged Lever Butterfly Valve

HV-BF-FLL-GAS



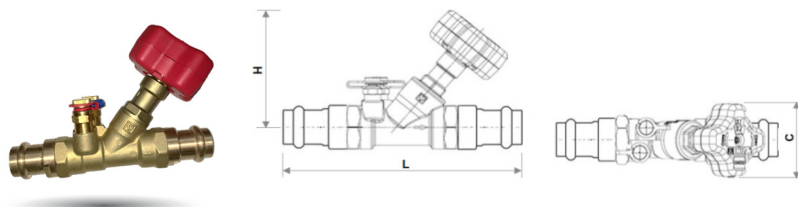
Technical data:

- DVGW Gas Approved to EN13774:2003
- EN 593
- Body material Ductile Iron
- Max operating pressure: 16 bar
- Max operating temperature: 82 °C
- Min operating temperature: -20 °C
- End flange: BS EN 1092-2 PN16

DRV Order number	DN	A	B	ØC	D	E
HV-BF-FLL-GAS-06	50	203	80	90	160	43
HV-BF-FLL-GAS-07	65	225	86	90	220	46
HV-BF-FLL-GAS-08	80	230	95.5	90	220	49
HV-BF-FLL-GAS-09	100	250	108	90	220	49
HV-BF-FLL-GAS-10	125	277	124.5	90	350	56
HV-BF-FLL-GAS-11	150	290	137	90	350	56
HV-BF-FLL-GAS-12	200	325	166	90	350	60
HV-BF-FLL-GAS-13	250	390	199	175	500	68
HV-BF-FLL-GAS-14	300	426	234	175	500	78

FODRV Pressfit Commissioning Valve

C4017 M

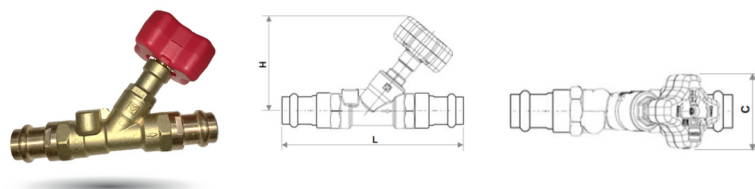
**Technical data:**

- BS 7350
- Body material DZR
- Max operating pressure: 16 bar
- Max operating temperature: 110 °C
- Connection: Conex >B< Press

Order number	DN	C	H	L	Kvs valve	Kvs Orifice
C 4017 01	15 LF	70	96	157	0.46	0.48
C 4017 11	15 MF	70	96	157	0.88	0.97
C 4017 21	15	70	96	157	2.00	1.95
C 4017 02	20	70	99	165	3.60	3.95
C 4017 03	25	70	109	184	6.50	7.90
C 4017 04	32	70	117	498	13.30	15.75
C 4017 05	40	70	136	245	18.50	21.50
C 4017 06	50	70	140	282	33.00	46.70

Pressfit Double Regulating Valve (DRV)

C4017 R

**Technical data:**

- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 16 bar
- Max operating temperature: 110 °C
- Connection: Conex >B< Press

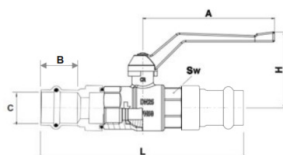


Order number	DN	L1	L2	H1	H2	M	D	Kvs valve
C 4017 61	15	83	129	96	109	25	70	2.00
C 4017 62	20	91	135	99	115	25	70	3.60
C 4017 63	25	110	146	109	130	25	70	6.50
C 4017 64	32	122	159	117	142	25	70	13.30
C 4017 65	40	135	178	136	163	25	70	18.50
C 4017 66	50	164	197	140	175	25	70	33.00

GENERAL VALVES

Pressfit Ball Valve

C2190 0X



Technical data:

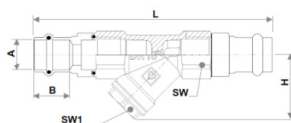
- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 16 bar
- Max operating temperature: 110 °C
- Min operating temperature: -10 °C
- Connection: Conex >B< Press



Order number	DN	A	B	C	H	L	SW	kvs
C 2190 01	15	90	24	15	53	133	25	17
C 2190 02	20	90	24	22	56	139	32	34
C 2190 03	25	135	26	28	77	155	41	55
C 2190 04	32	135	26	35	81	167	48	102
C 2190 05	40	180	41	42	95	214	55	165
C 2190 06	50	180	43	54	101	244	70	270

Pressfit Strainer

C2662



Technical data:

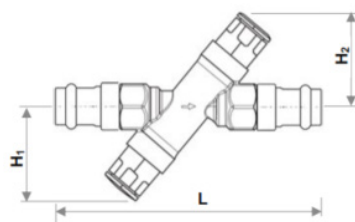
- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 16 bar
- Max operating temperature: 110 °C
- Min operating temperature: -10 °C
- Connection: Conex >B< Press
- Mesh size 0.5mm



Order number DZR	DN	A	B	H	L	SW	SW1	kvs
C 2662 11	15	15	24	37	142	25	22	2.6
C 2662 12	20	22	24	46	154	32	24	5.6
C 2662 13	25	28	26	55	164	41	25	8.2
C 2662 14	32	35	26	62	169	47	32	16.5
C 2662 15	40	42	41	69	215	54	36	27.4
C 2662 16	50	54	43	83	243	67	46	36.7

Thermal Balancing Valve CTC

C4011



Technical data:

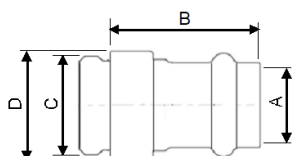
- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 10 bar
- Max operating temperature: 80 °C
- Connection: Conex >B< Press



Order number Brass	DN	H1	H2	L	Kvs
C 4011 11	15	55	56	155	2.55
C 4011 12	20	51	54	176	5.60

Pressfit Male Thread Connection

C6251



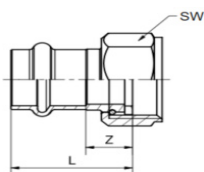
Technical data:

- Body material Gunmetal
- Seals: EPDM
- Max operating pressure: 16 bar
- Max operating temperature: 110 °C
- Min operating temperature: -10 °C
- Pressfit Connection: Conex >B<

Order number DZR	DN	A	B	C	D
C 6251 01	15	15	37	½	27
C 6251 02	20	22	37	¾	32
C 6251 03	25	28	37	1	39
C 6251 04	32	35	38	1¼	47
C 6251 05	40	42	55	1½	55
C 6251 06	50	54	59	2	68

Pressfit Flat Faced Union Connection

C6252



Technical data:

- Body material Gunmetal
- Seals: EPDM
- Max operating pressure: 16 bar
- Max operating temperature: 110 °C
- Min operating temperature: -10 °C
- Pressfit Connection: Conex >B<

Order number DZR	DN	Size	L	Z	SW
C 6252 01	15	15 x G ¾"	34.5	10.5	29
C 6252 02	20	22 x G 1"	38.5	14.5	36.5
C 6252 03	25	28 x G 1¼"	42.5	18.5	46.5
C 6252 04	32	35 x G 1½"	41.5	15.5	52
C 6252 05	40	42 x G 1¾"	48.5	10.0	58.5
C 6252 06	50	54 x G 2¾"	62	16.5	75

Wieliczka, Poland





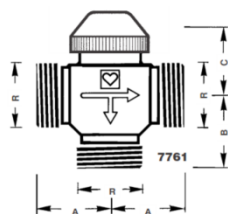
03/ Temperature Control

Energy Efficiency

TEMPERATURE CONTROL

CALIS-TS Thermostatic 3 Port Valve

7761



Technical data:

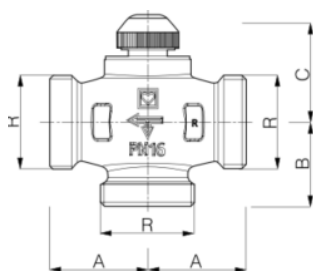
- Body material Brass Nickel plated
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C
- Head mounting connection: M28 x 1.5
- Connection thread: Flat seal ISO 228-1

Connections and actuators to be ordered separately
see pages 87 and 13 respectively

Order number	DN	R	A	B	C	Kvs
1 7761 01	DN 15	3/4"	30	30	22	2.75
1 7761 02	DN 20	1"	37.5	34	22	3.2

CALIS-TS-RD Thermostatic 3 Port Valve [100% Distribution]

7761



Technical data:

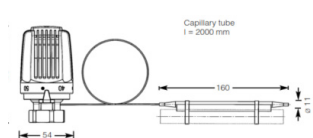
- Body material Brass
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C
- Head mounting connection: M28 x 1.5
- Connection thread: Flat seal ISO 228-1

Connections and actuators to be ordered separately
see pages 87 and 13 respectively

Order number	DN	R	A	B	C	Kvs
1 7761 38	DN 15	3/4"	30	30	22	3.0
1 7761 39	DN 20	1"	37.5	34	22	3.0
1 7661 40	DN 25	1 1/4"	45	43	40.5	6.27
1 7661 41	DN 32	1 1/2"	50	43	40.5	6.44

Thermostatic Contact Sensor & immersion pocket

7421



Order number	Temperature range	Capillary length	Mounting thread
1 7420 06	20 - 50 °C	2 m	M28 x 1.5
1 7421 00	40 - 70 °C	2 m	M28 x 1.5

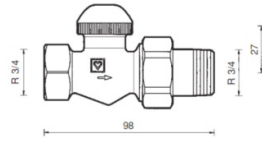
6313



Order number	Thread
1 6313 01	1/2"

Zone Valve

7723

**Technical data:**

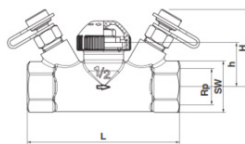
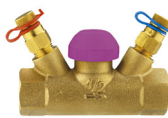
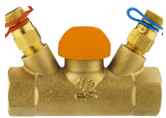
- Body material Brass
- Max. operating temperature: 120 °C
- Max. operating pressure: 10 bar

Actuators to be ordered separately see page 13

Order number	Type	DN	Kvs
1 7723 82	TS-V LF	20	1.9

Thermostatic Control Valve

7217

**Technical data:**

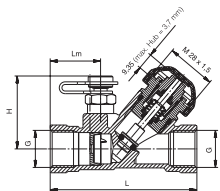
- Body material DZR
- Max. operating temperature: 130 °C
- Max. operating pressure: 10 bar
- Max. differential pressure: 0.2 bar

Actuators to be ordered separately see page 13

Order number	Type	DN	L	Rp	H	h	SW	Kvs
1 7217 37	TS-98-V	15	92	1/2	65	41	27	1.1
1 7217 38	TS-99-FV	15	92	1/2	65	41	27	0.4

FODRV Zone/Control Valve

7217 V

**Technical data:**

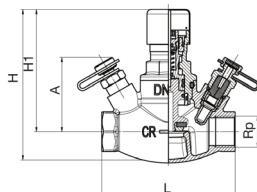
- Body material DZR
- Max. operating temperature: 130 °C
- Max. operating pressure: 20 bar
- Max. differential pressure on the seat: 10 bar

Actuators to be ordered separately see page 13

Order number	STRÖMAX	DN	L	Lm	Rp	H	SW	Kv	Kvs
1 7217 50	TS-V LF	15	83	28.5	1/2	41	27	0.07 - 0.45	0.48
1 7217 59	TS-V MF	15	83	28.5	1/2	41	27	0.30 - 0.90	0.97
1 7217 51	TS-V	15	83	28.5	1/2	41	27	0.45 - 1.70	1.95
1 7217 52	TS-V	20	91	31	3/4	41	32	0.40 - 3.40	3.95

VODRV Zone/Control Valve

7217 GV

**Technical data:**

- Body material DZR
- Max. operating pressure: 16 bar
- Max. diff. pressure on the body: 4 bar
- Max. diff. pressure on the seat: 4 bar
- Max. operating temperature: 130 °C
- Min. operating temp.: -20 °C

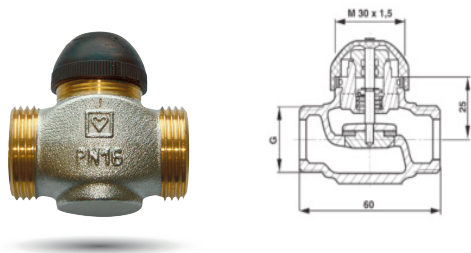
Actuators to be ordered separately see page 13

Order number	DN	Rp	L	H	H1	H + actuator	A	Kvs	M
1 7217 71	15	1/2	90	101	82	162	50	5.0	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

TEMPERATURE CONTROL

2 Port Control Valves

7760



Technical data:

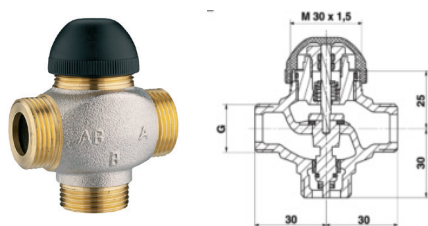
- Body material Brass
- Max operating pressure: 16 bar
- Max operating temperature: 120 °C
- Actuator mounting connection: M30 x 1.5
- Connection thread: Flat seal ISO 228-1

Connections and actuators to be ordered separately
see pages 87 and 13 respectively

Order number	DN	G	Kvs	Stroke [mm]
1 7760 05	15	3/4	2.5	4
1 7760 07	15	3/4	4.0	4
1 7760 08	20	1	5.0	

3 Port Control Valves

7762



Technical data:

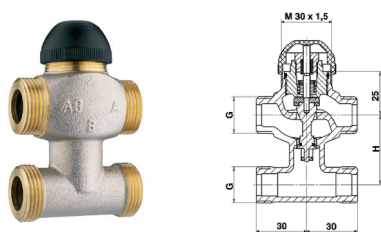
- Body material Brass
- Max operating pressure: 16 bar
- Max operating temperature: 120 °C
- Actuator mounting connection: M30 x 1.5
- Connection thread: Flat seal ISO 228-1

Connections and actuators to be ordered separately
see pages 87 and 13 respectively

Order number	DN	G	Kvs-value straight flow	Kvs-value bypass flow	Stroke [mm]	H
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

4 Port Control Valves

7763



Technical data:

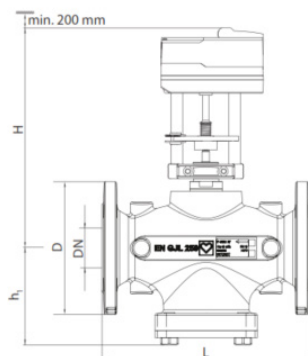
- Body material Brass
- Max operating pressure: 16 bar
- Max operating temperature: 120 °C
- Actuator mounting connection: M30 x 1.5
- Connection thread: Flat seal ISO 228-1

Connections and actuators to be ordered separately
see pages 87 and 13 respectively

Order number	DN	G	Kvs-value straight flow	Kvs-value bypass flow	Stroke [mm]	H
1 7763 51	15	3/4	2.5	1.9	3.7	40
1 7763 61	15	3/4	4.0	3.0	3.7	40
1 7763 62	20	1	5.0	3.8	3.7	40

2 Port Control Valve Flanged PN16

F4035

**Technical data:**

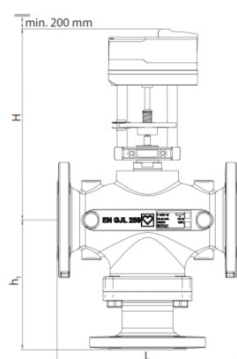
- Body material Cast Iron
- Max. operating pressure: 16 bar
- Max. operating temperature: 150 °C
- Min. operating temperature: 5 °C
- Valve characteristic: equal percentage
- Flanged to BS EN 1092-2 PN16

Actuators to be ordered separately see page 15

Order number	DN	D	L	h ₁	H	Stroke	dp max.	Kvs
F 4035 07	65	185	290	135	315	20	1.5 bar	63
F 4035 08	80	200	310	150	350	20	1.5 bar	100
F 4035 09	100	220	350	160	480	40	2 bar	160
F 4035 10	125	250	400	185	520	40	1 bar	250
F 4035 41	150	285	480	180	525	40	1 bar	330

3 Port Control Valve Flanged PN16

F4037

**Technical data:**

- Body material Cast Iron
- Max. operating pressure: 16 bar
- Max. operating temperature: 150 °C
- Min. operating temperature: 5 °C
- Valve characteristic: equal percentage
- Flanged to BS EN 1092-2 PN16

Actuators to be ordered separately see page 15

Order number	DN	D	L	h ₁	H	Stroke	dp max.	Kvs
F 4037 07	65	185	290	208	315	20	1.5 bar	63
F 4037 08	80	200	310	233	350	20	1 bar	100
F 4037 09	100	220	350	262	480	40	2 bar	160
F 4037 10	125	250	400	268	520	40	0.9 bar	250
F 4037 41	150	285	480	261	525	40	0.9 bar	330

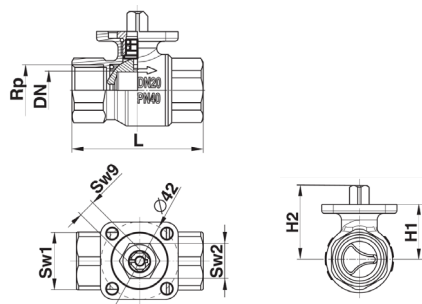
F4035 & F4037 Actuator Selection

DN	230V 2/3 point		24V 2/3 point Modulating 0-10V DC		24V 2/3 point Modulating 0-10V DC		230V 2/3 point Module req 1 7712 22 24V AC 0-10V DC	
	1 7712 28	1 7712 30	1 7712 29	1 7712 31	1 7712 21	1 7712 32	1 7712 21	1 7712 32
65	-	X	-	X	-	-	-	-
80	-	X	-	X	-	-	-	-
100	-	-	-	-	-	X	-	X
125	-	-	-	-	-	X	-	X
150	-	-	-	-	-	X	-	X

TEMPERATURE CONTROL

2 Port Control Ball Valve

2117



Technical data:

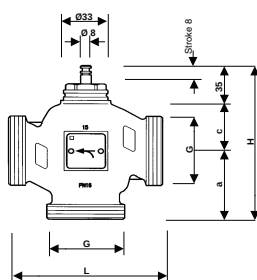
- Body material DZR
- Max. operating temperature: 110 °C
- Min. operating temperature: -10 °C
- Max. operating pressure: as per table
- Female threads acc. to ISO 7-1

Actuators to be ordered separately see page 49

Order number	DN	PN	Rp	L	H1	H2	SW1	SW2	Kvs
1 2117 11	15	40	½"	60	27.5	38	25	19	5
1 2117 12	20	40	¾"	68	30.5	41	31	19	8
1 2117 13	25	40	1"	81	38	48.5	41	20	12.5
1 2117 14	32	25	1¼"	95	41.5	52	51	20	20
1 2117 15	40	25	1½"	106	47	57.5	55	20	32
1 2117 16	50	25	2"	127	54.8	65.3	70	20	50

3 Port Mixing and Diverting Valve

4037



Technical data:

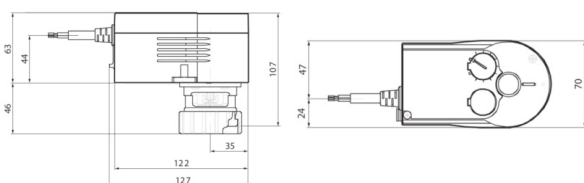
- Max. operating temperature: 130°C up to DN32, 110°C from DN40
- Max. operating pressure: 16 bar

Connections and actuators to be ordered separately see page 87 and below

Order number	DN	G	a	c	L	H	dp max.	Kvs
1 4037 15	15	G ¾ B	50	32	100	117	4 bar	4
1 4037 20	20	G 1 B	50	33	100	118	3 bar	6.3
1 4037 25	25	G 1½ B	55	36	110	126	2 bar	10
1 4037 32	32	G 2 B	60	38	120	133	1.5 bar	16
1 4037 40	40	G 2¼ B	70	48	130	153	1 bar	25
1 4037 50	50	G 2¾ B	75	54	150	164	0.8 bar	40

Motorised Actuator for 4037 3 Port Valve

7712



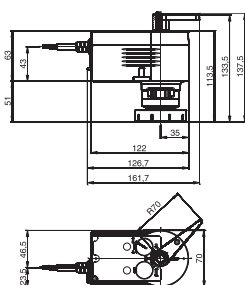
Technical Data

- CE to EN 60730
- 2/3-point control (1771250/51)
- 2/3-point control or Modulating 0-10VDC (1771211)
- IP 54

Order number	Control	Nominal voltage	Actuating force	Stroke [mm]	Degree of protection IEC/EN
1 7712 50		230 V	500 N	8	IP54
1 7712 51		24 V	500 N	8	IP54
1 7712 11	0-10V DC	24V	500 N	8	IP54

Motorised Actuator for 2117 Control Valves

7712

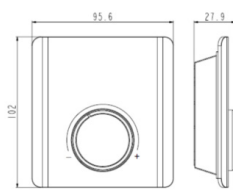
**Technical data:**

- CE to EN 61000-6-1, EN 61000-6-2,
- EN 61000-6-3, EN 61000-6-4
- Rotary actuator
- 2/3-point control (1771233)
- 2/3-point control - Modulating 0-10VDC (1771235)
- IP 54

Order number	Control	Nominal voltage	Torque	Degree of protection IEC/EN
1 7712 33		230 V / AC	8 Nm	IP54
1 7712 35	0-10V DC	24 V	8 Nm	IP54

Analogue Room Thermostat

3 F799

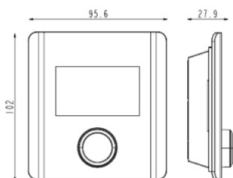
**Technical data:**

- Analogue room thermostat
- Temperature range: 10 - 28 °C
- Degree of protection: IP20

Order number	Nominal voltage	Temperature range	Degree of protection IEC/EN	Heating/Cooling
3 F799 11	230V/AC	10 - 28 °C	IP20	Heating
3 F799 12	24V/AC	10 - 28 °C	IP20	Heating
3 F799 13	230V/AC	10 - 28 °C	IP20	Heating/Cooling
3 F799 14	24V/AC	10 - 28 °C	IP20	Heating/Cooling

Digital Room Thermostat

3 F799

**Technical data:**

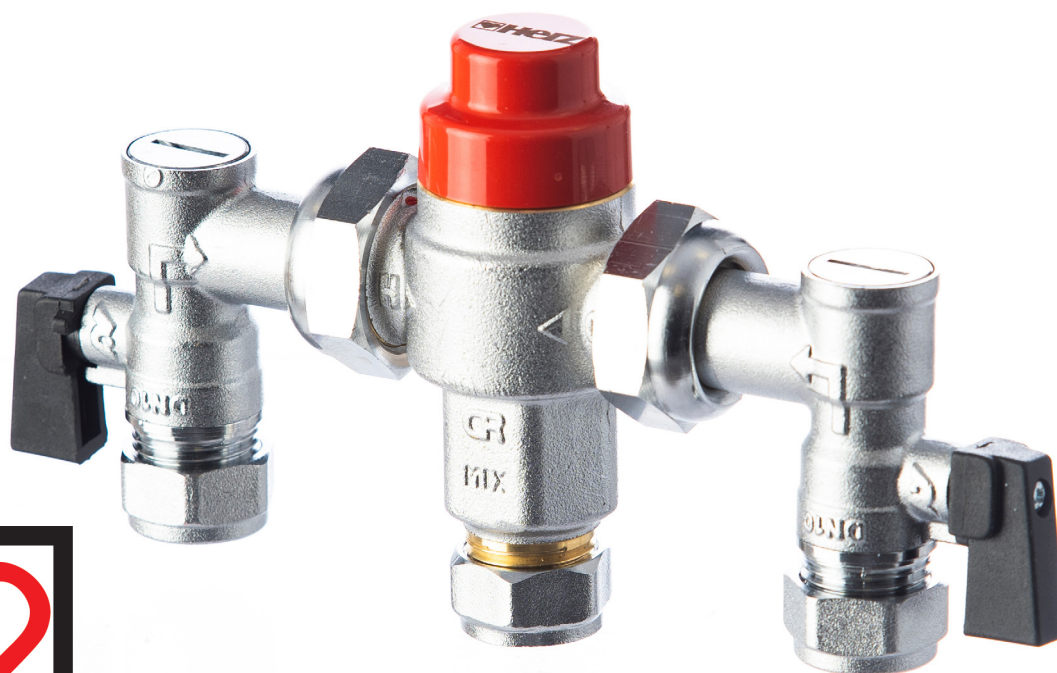
- Digital room thermostat
- Temperature range: 5 - 30 °C
- Degree of protection: IP20

Order number	Nominal voltage	Temperature range	Degree of protection IEC/EN	Heating/Cooling	Programmable	Floor Sensor
3 F799 15	230V/AC	5 - 30 °C	IP20	Heating	-	-
3 F799 16	24V/AC	5 - 30 °C	IP20	Heating	-	-
3 F799 17	230V/AC	5 - 30 °C	IP20	Heating/Cooling	7 day	Yes
3 F799 18	24V/AC	5 - 30 °C	IP20	Heating/Cooling	7 day	Yes



Rohrbach, Austria





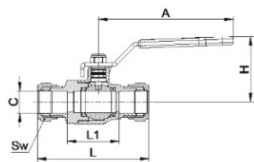
04/ Domestic Water

Every drop counts

DOMESTIC WATER SERVICES

Compression Ball Valve Red Lever

2190 4X



Technical data:

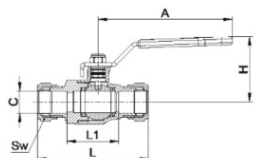
- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 16 bar
- Max operating temperature: 120 °C
- Compression ends to BS EN 1254-2



Order number	DN	Cu	C	L	L1	H	A	Sw	kv
1 2190 41	15	15	15.2	76.5	35.5	47	90	24	17
1 2190 42	20	22	22.2	81	37	49	90	32	34
1 2190 43	25	28	28.1	95	44.4	61	135	37	55
1 2190 44	32	35	35.1	108.5	54.6	65	135	46	102
1 2190 45	40	42	42.2	122	60	84	180	60	165
1 2190 46	50	54	54.4	134	72	90	180	70	270

Compression Ball Valve Blue Lever

2190 5X



Technical data:

- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 16 bar
- Max operating temperature: 120 °C
- Compression ends to BS EN 1254-2



Order number	DN	Cu	C	L	L1	H	A	Sw	kv
1 2190 51	15	15	15.2	76.5	35.5	47	90	24	17
1 2190 52	20	22	22.2	81	37	49	90	32	34
1 2190 53	25	28	28.1	95	44.4	61	135	37	55
1 2190 54	32	35	35.1	108.5	54.6	65	135	46	102
1 2190 55	40	42	42.2	122	60	84	180	60	165
1 2190 56	50	54	54.4	134	72	90	180	70	270

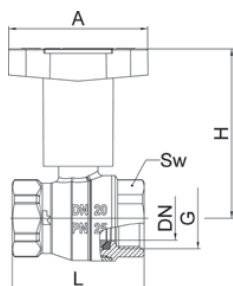
The full range of WRAS Approved ball valves can be found in Chapter 2

Ball Valve with Tee handle

2206 red plastic



2206 blue plastic



Technical data:

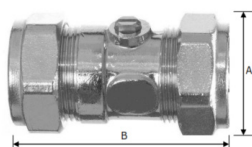
- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 25 bar
- Max operating temperature: 150 °C
- Min operating temperature: -30 °C
- Connection thread: ISO 228-1



Order number Red handle	Order number Blue handle	DN	PN	G	L	C	H	A	Sw
1 2206 41	1 2206 51	15	25	G 1/2"	51	10	70	60	25
1 2206 42	1 2206 52	20	25	G 3/4"	57	11	73	60	31
1 2206 43	1 2206 53	25	25	G 1"	73	14	82	85	39
1 2206 44	1 2206 54	32	25	G 1 1/4"	84	16	88	85	48
1 2206 45	1 2206 55	40	25	G 1 1/2"	95	17	120	120	55
1 2206 46	1 2206 56	50	25	G 2"	112	19	126	120	70

Service Ball Valve

TMVBV



Specifications:

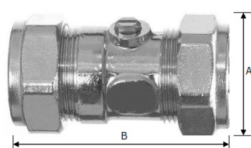
- UK Water Reg 4 Compliant
- Body material Brass chrome plated
- Max operating pressure: 16 bar
- Max operating temperature: 120 °C
- Compression ends to BS EN 1254-2



Order number	DN	Cu	A	B
TMVBV15	15	15	26	55
TMVBV22	20	22	35	63

Flow Restrictor Service Ball Valve

TMVBVFR



Specifications:

- UK Water Reg 4 Compliant
- Body material Brass chrome plated
- Max operating pressure: 16 bar
- Max operating temperature: 120 °C
- Compression ends to BS EN 1254-2

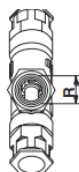
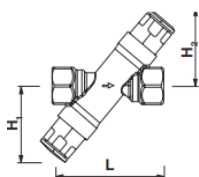


Order number	DN	Cu	Flowrate	A	B
TMVBV15FR4	15	15	4 l/min	26	55
TMVBV15FR6	15	15	6 l/min	26	55
TMVBV15FR8	15	15	8 l/min	26	55
TMVBV15FR10	15	15	10 l/min	26	55
TMVBV15FR12	15	15	12 l/min	26	55
TMVBV15FR15	15	15	15 l/min	26	55
TMVBV15FR17.5	15	15	17.5 l/min	26	55

DOMESTIC WATER SERVICES

Thermal Balancing Valve CTC

4011



Technical data:

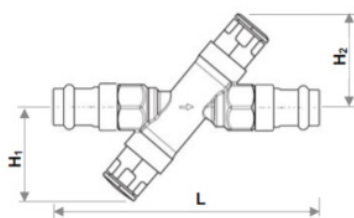
- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 10 bar
- Max operating temperature: 80 °C
- Connection thread: ISO 7/1 (Rp)



Order number	DN	Rp	L	H ₁	H ₂	kvs
2 4011 11	15	½"	81	55	56	0.45
2 4011 12	20	¾"	102	51	54	0.45

Pressfit Thermal Balancing Valve CTC

C4011



Technical data:

- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 10 bar
- Max operating temperature: 80 °C
- Connection: Conex >B< Press

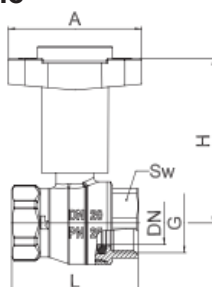


Order number Brass	DN	H ₁	H ₂	L	Kvs
C 4011 11	15	55	56	155	2.55
C 4011 12	20	51	54	176	5.60

Partner Ball Valve with Tee handle and temperature gauge

2206 red plastic

2206 blue plastic



Technical data:

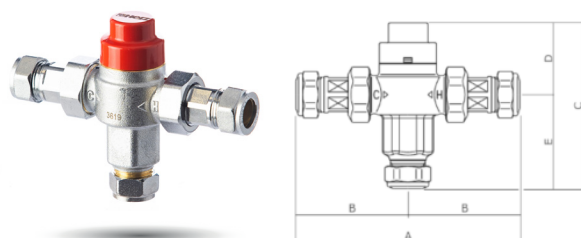
- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 25 bar
- Max operating temperature: 150 °C
- Min operating temperature: -30 °C
- Connection thread: ISO 228-1



Order number Red handle	Order number Blue handle	DN	PN	G	L	C	H	A	Sw
1 2206 61	1 2206 71	15	25	G ½"	51	10	70	60	25
1 2206 62	1 2206 72	20	25	G ¾"	57	11	73	60	31
1 2206 63	1 2206 73	25	25	G 1"	73	14	82	85	39
1 2206 64	1 2206 74	32	25	G 1¼"	84	16	88	85	48
1 2206 65	1 2206 75	40	25	G 1½"	95	17	120	120	55
1 2206 66	1 2206 76	50	25	G 2"	112	19	126	120	70

HERZ Shield Thermostatic Mixing Valve TMV2 & TMV3

HVTMV



Technical data

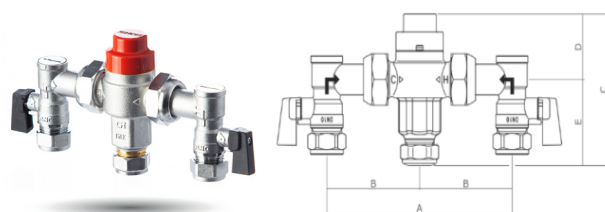
- BS EN 1111
- BS EN 1287
- UK Water Reg 4 Compliant
- TMV2 & TMV3
- Body material DZR
- Max operating pressure: 10 bar
- Setting range: 30 to 50 °C



Order number	DN	Cu	A	B	C	D	E
HVTMV-15	15	15	141	67.5	99	43	56
HVTMV-22	20	22	150	75	100	43	57

Herz Shield Plus Thermostatic Mixing Valve TMV2 & TMV3 with isolation

HVTMV-IV



Technical data:

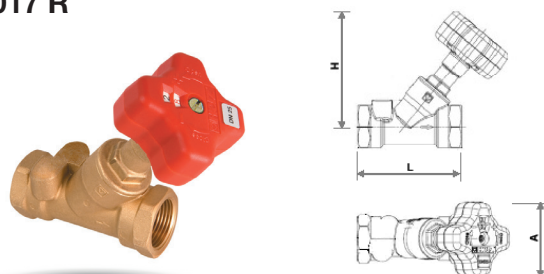
- BS EN 1111
- BS EN 1287
- UK Water Reg 4 Compliant
- TMV2 & TMV3
- Body material DZR
- Max operating pressure: 10 bar
- Setting range: 30 to 50 °C



Order number	DN	Cu	A	B	C	D	E
HVTMV-15IV	15	15	120	60	99	43	56
HVTMV-22IV	20	22	136	80	100	43	57

Double Regulating Valve (DRV)

4017 R



Technical data:

- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 20 bar
- Max operating temperature: 130 °C
- Connection thread: ISO 228-1

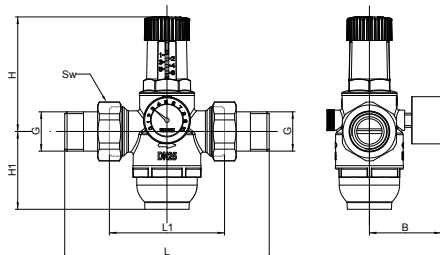


Order number	DN	A	L	H	Kvs valve
1 4017 61	15	70	83	96	2.00
1 4017 62	20	70	91	99	3.60
1 4017 63	25	70	110	109	6.50
1 4017 64	32	70	122	117	13.30
1 4017 65	40	70	135	136	18.50

DOMESTIC WATER SERVICES

Pressure Reducing Valve

2682



Technical data:

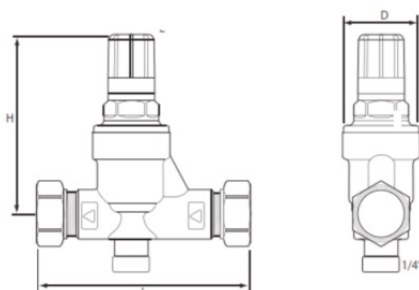
- UK Water Reg 4 Compliant
- Body material DZR
- Max inlet pressure: 16 bar
- Outlet pressure range: 1.75 – 6 bar
- Max operating temperature: 70 °C
- Connection thread: ISO 7/1



Order number	DN	PN	G	L	L1	B	H	H1	Sw
1 2682 11	15	16	1/2"	147	84	67	98	66	30
1 2682 12	20	16	3/4"	155	84	67	98	66	37
1 2682 13	25	16	1"	185	98	67	98	66	46
1 2682 14	32	16	1 1/4"	204	120	77.5	156	100	52
1 2682 15	40	16	1 1/2"	224	122	77.5	156	100	60
1 2682 16	50	16	2"	252	136	77.5	156	100	75

Pressure Reducing Valve compression

HVPRVC



Technical data:

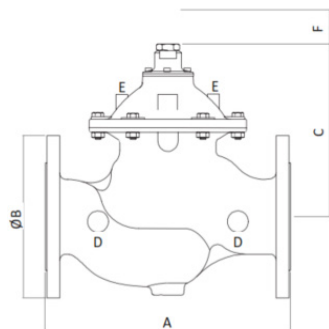
- UK Water Reg 4 Compliant
- Body material DZR
- Max inlet pressure: 16 bar
- Outlet pressure range: 1.5 – 5.5 bar
- Max operating temperature: 70 °C
- Compression ends to BS EN 1254-2



Order number	DN	Cu	L	L1	B	H	H1	Sw
HVPRVC-11	15	15	133	84	61	98	66	30
HVPRVC-12	20	22	141	84	61	98	66	39

Pressure Reducing Valve Flanged

HVPRVF

**Technical data:**

- UK Water Reg 4 Compliant
- Body material Ductile iron
- Max inlet pressure: 16 bar
- Outlet pressure range: 0.5 – 8 bar
- Max operating temperature: 85 °C
- Flanged to BS EN 1092-2 PN16

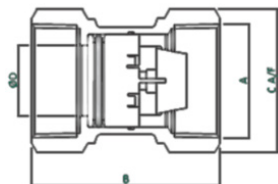


Order number	DN	A	B	C	D NPT	E NPT	F
HVPRVF-07	65	292	185	185	½"	¼"	140
HVPRVF-08	80	310	200	230	½"	¼"	170
HVPRVF-09	100	350	220	240	½"	¼"	180
HVPRVF-11	150	480	285	330	½"	¼" & ½"	230
HVPRVF-12	200	600	345	390	½"	½"	300
HVPRVF-13	250	730	410	520	½"	½"	390
HVPRVF-14	300	850	460	635	½"	½"	450

DOMESTIC WATER SERVICES

Single Check Valve PN10

HVSCV



Technical data:

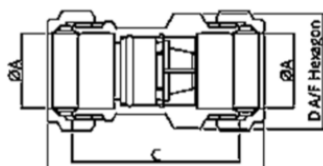
- BS EN 13959
- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 10 bar
- Max operating temperature: 90 °C
- Connection thread: BS EN 10226-2



Order number	DN	A [Rc]	B	C A/F	D
HVSCV-21	15	½"	42	24	12.5
HVSCV-22	20	¾"	50	32	17
HVSCV-23	25	1"	60	38	22
HVSCV-24	32	1¼"	79	46	24
HVSCV-25	40	1½"	84	53	30
HVSCV-26	50	2"	101	64	38

Single Check Valve Compression PN10

HVSCVC



Technical data:

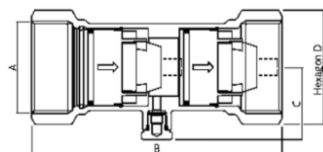
- BS EN 13959
- UK Water Reg 4 Compliant
- Body material DZR chrome plated
- Max operating pressure: 10 bar
- Max operating temperature: 85 °C
- Compression ends to BS EN 1254-2



Order number	DN	ØA	B	C	D A/F
HVSCVC-31	15	15mm	61	45.5	22
HVSCVC-32	20	22mm	65	50	31.5
HVSCVC-33	25	28mm	72	56.5	39

Double Check Valve PN10

HVDCV

**Technical data:**

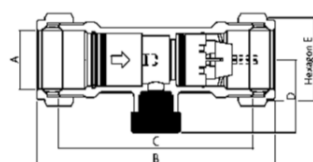
- BS EN 13959
- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 10 bar
- Max operating temperature: 85 °C
- Connection thread: BS EN 10226-2



Order number	DN	A	B	C	D A/F
HVDCV-21	15	G ½"	64	18	24
HVDCV-22	20	G¾"	78	21	32
HVDCV-23	25	G 1"	94	25	38
HVDCV-24	32	Rc 1¼"	121	26	46
HVDCV-25	40	Rc 1½"	143	30	52
HVDCV-26	50	Rc 2"	184	36	65

Double Check Valve Compression PN10

HVDCVC

**Technical data:**

- BS EN 13959
- UK Water Reg 4 Compliant
- Body material Nickel plated DZR
- Max operating pressure: 10 bar
- Min inlet pressure 0.2 bar
- Max operating temperature: 85 °C
- Compression ends to BS EN 1254-2

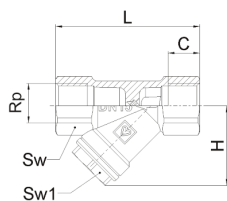


Order number	DN	ØA	B	C	D	E A/F
HVDCVC-31	15	15mm	79	61.5	24.5	24
HVDCVC-32	20	22mm	92	75	27.5	31.5
HVDCVC-33	25	28mm	106	89	30.5	39

DOMESTIC WATER SERVICES

DRZ Strainer PN16

2662



Technical data:

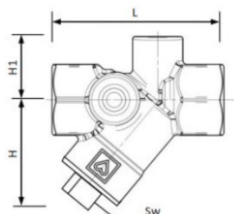
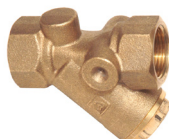
- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 25 bar
- Max operating temperature: 130 °C
- Min operating temperature: -30 °C
- Connection thread: ISO 228-1
- Mesh size 0.5mm



Order number DZR	DN	Rp	C	L	H	SW	SW1	Kvs
1 2662 11	15	1/2	15	68	37	25	22	2.55
1 2662 12	20	3/4	16.3	80	46	32	24	5.60
1 2662 13	25	1	19	90	54	41	25	8.20
1 2662 14	32	1 1/4	14	93	62	47	32	16.5
1 2662 15	40	1 1/2	16	105	69	54	36	27.4
1 2662 16	50	2	18	125	83	67	46	36.7

DRZ Strainer PN25

4111



Technical data:

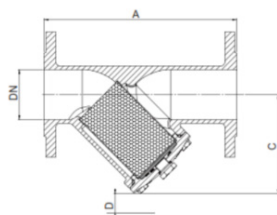
- UK Water Reg 4 Compliant
- Body material DZR
- Max operating pressure: 25 bar
- Max operating temperature: 120 °C
- Connection thread: ISO 228-1
- Mesh size: 0.75mm



Order number	DN	PN	G	L	H	H1	Sw	kv
1 4111 17	65	16	2 1/2"	180	118	53	32	64.3
1 4111 18	80	16	3"	220	137	61	32	148.6

Flanged Strainer PN16

HV185W



Technical data:

Technical data:

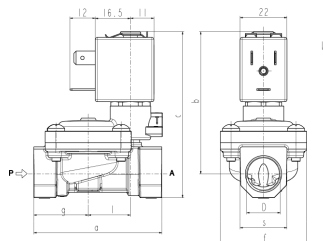
- UK Water Reg 4 Compliant
- Body material Ductile Iron
- Max operating pressure: 16 bar to DN150, 10 bar to DN300
- Max operating temperature: 100 °C
- Min operating temperature: -10 °C
- Mesh size: as per table
- Flanged to BS EN 1092-2 PN10



Order number	DN	A	C	D	mesh	kv
HV185W-07	65	290	137	65	0.8	89
HV185W-08	80	310	159	75	1.25	127
HV185W-09	100	350	187	90	1.25	200
HV185W-10	125	400	249	125	1.25	364
HV185W-11	150	480	301	170	1.25	494
HV185W-12	200	600	403	220	1.25	937
HV185W-13	250	730	472	200	1.6	1137
HV185W-14	300	850	508	250	1.6	1844

Solenoid Valve PN16

HVSOLV



Technical data:

- UK Water Reg 4 Compliant
- Body material Brass
- Max operating pressure: 20 bar
- Max operating temperature: 85°C
- Min operating temperature: -10°C
- Connection thread: ISO 228-1



Order number	DN	D	a	b	c	f	g	l	s	kvs
HVSOLV-01	15	½"	66	68	82	40	29	20	27	3,8
HVSOLV-02	20	¾"	79	72.5	89	50	35.5	24.5	33	5
HVSOLV-03	25	1"	105	85	106	71	46	28	42	12
HVSOLV-04	32	1¼"	113	106	132	81	50	40	52	15
HVSOLV-05	40	1½"	140	110	140	110	64	53	60	27
HVSOLV-06	50	2"	157	114	150	110,00	72	53	72	34

Pinkafeld, Austria





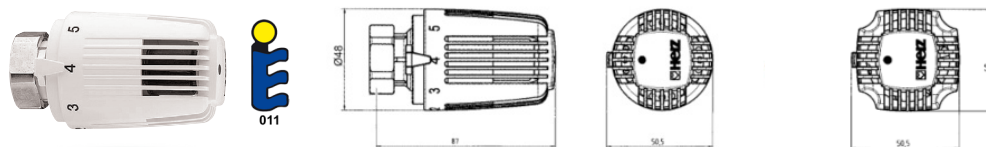
05/ Radiator Valves

Thermostatic Excellence

RADIATOR VALVES

Classic Thermostatic Sensor

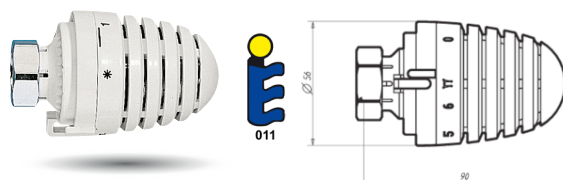
7260 / 7230



Order number	Description	Temp. range	Frost set	Mounting thread
1 7260 06	Standard	6 - 28 °C	6 °C	M28 x 1.5
1 7230 06	Quatro	0 - 30 °C	6 °C	M28 x 1.5
1 7230 22	Quatro SP22	0 - 22 °C	6 °C	M28 x 1.5
1 7262 00	High Lift for one pipe	8 - 25 °C	12 °C	M28 x 1.5

Design Thermostatic Sensor

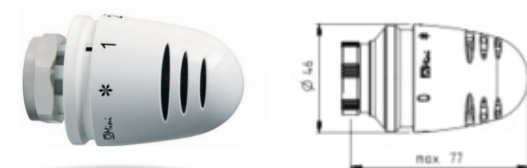
9260 / 9230



Order number	Temp. range	Frost set	Mounting thread
1 9260 06	6 - 28 °C	6 °C	M28 x 1.5
1 9230 06	0 - 30 °C	6 °C	M28 x 1.5

Mini Design Thermostatic Sensor

9200



Order number	Description	Temp. range	Frost set	Mounting thread
1 9200 30	MINI	0 - 30 °C	6 °C	M28 x 1.5

Limiting Pins

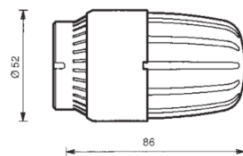
9200



Order number	Model
1 9551 00	General Limiting Pin
1 9551 02	Mini only Limiting Pin

Herzules Vandal Resistant Thermostatic Sensor

9860 / 9861



Order number	Temp. range	Frost set	Turn down	Mounting thread
1 9860 10	8 - 26 °C	8 °C	-	M28 x 1.5
1 9861 40	8 - 26 °C	8 °C	4°C	M28 x 1.5
1 9861 10	8 - 26 °C	8 °C	10°C	M28 x 1.5

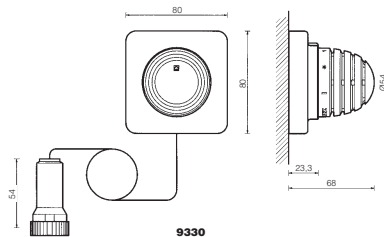
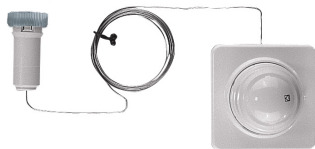
9554



Order number	Model
1 9554 00	Herzules Setting Tool
1 9554 01	Herzules Tightening Tool

Design Remote Adjusting Thermostatic Sensor

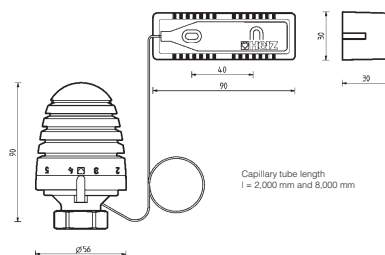
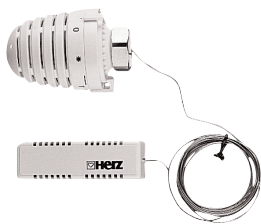
9330



Order number	Description	Temp. range	Frost set	Mounting thread
1 9330 05	6 - 28 °C	6 °C	2m	M28 x 1.5
1 9330 10	6 - 28 °C	6 °C	5m	M28 x 1.5
1 9330 18	6 - 28 °C	6 °C	8m	M28 x 1.5
1 9330 20	6 - 28 °C	6 °C	10m	M28 x 1.5

Design Remote Sensing Thermostatic Sensor

9430

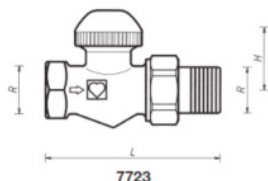
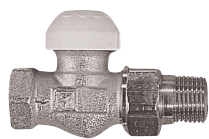


Order number	Description	Temp. range	Frost set	Mounting thread
1 9430 08	0 - 30 °C	6 °C	2m	M28 x 1.5
1 9430 18	0 - 30 °C	6 °C	8m	M28 x 1.5
1 9460 06	6 - 28 °C	6 °C	2m	M28 x 1.5
1 9460 18	6 - 28 °C	6 °C	8m	M28 x 1.5

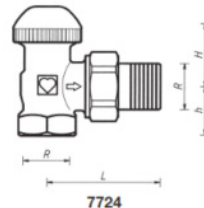
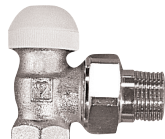
RADIATOR VALVES

TS-90 Thermostatic Valves

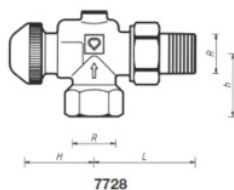
7723 - Straight



7724 - Angle



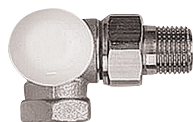
7728 - Reverse Angle



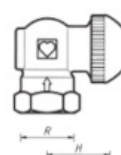
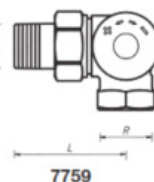
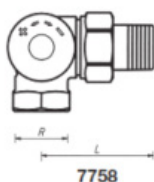
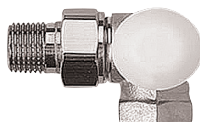
Technical data:

- Body material: Brass nickel plated
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C
- Connection thread: ISO 228-1

7758 - 3 Axis LHS



7759 - 3 Axis RHS



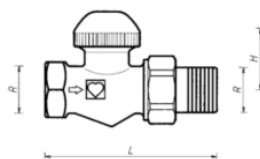
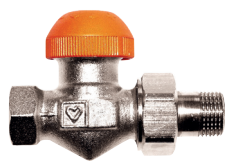
Order number	Model	DN	R	Female Connection	Male Connection	L	H	h	kv
1 7723 91	Straight	15	1/2"	Rp 1/2"	-	83	27	-	1.1
1 7723 92	Straight	20	3/4"	Rp 3/4"	-	98	27	-	1.9
1 7723 93	Straight	25	1"	Rp 1"	-	126	27	-	4.2
1 7724 91	Angle	15	1/2"	Rp 1/2"	-	54	23	23	1.1
1 7724 92	Angle	20	3/4"	Rp 3/4"	-	63	23	23	1.9
1 7724 93	Angle	25	1"	Rp 1"	-	70	23	33	4.2
1 7728 91	Reverse Angle	15	1/2"	Rp 1/2"	-	55	35	33	1.1
1 7728 97	Reverse Angle	20	3/4"	Rp 3/4"	-	66	32	33	1.9
1 7758 91	3 Axis LHS	15	1/2"	Rp 1/2"	-	53	26	31	1.1
1 7759 91	3 Axis RHS	15	1/2"	Rp 1/2"	-	53	26	31	1.1
1 7723 81	Straight	15	1/2"	-	G 3/4"	84	27	-	1.1
1 7724 37	Angle	15	1/2"	-	G 3/4"	54	23	24	1.1
1 7748 91	Reverse Angle	15	1/2"	-	G 3/4"	55	35	34	1.1

Presettable TRV Rule of Thumb

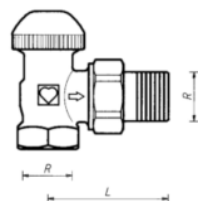
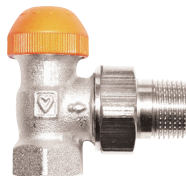
kW load	10° Δt	15° Δt	20° Δt	25° Δt	30° Δt
0.5	TS-99-FV	TS-99-FV	TS-99-FV	TS-99-FV	TS-99-FV
1.0	TS-99-FV	TS-99-FV	TS-99-FV	TS-99-FV	TS-99-FV
1.5	TS-99-FV	TS-99-FV	TS-99-FV	TS-99-FV	TS-99-FV
2.0	TS-98-V	TS-99-FV	TS-99-FV	TS-99-FV	TS-99-FV
2.5	TS-98-V	TS-98-V	TS-99-FV	TS-99-FV	TS-99-FV
3.0	TS-98-V	TS-98-V	TS-99-FV	TS-99-FV	TS-99-FV
3.5	TS-98-V	TS-98-V	TS-98-V	TS-99-FV	TS-99-FV
4.0	TS-98-V	TS-98-V	TS-98-V	TS-99-FV	TS-99-FV
4.5	TS-98-V	TS-98-V	TS-98-V	TS-98-V	TS-99-FV

TS-98-V Preseetable Thermostatic Valves

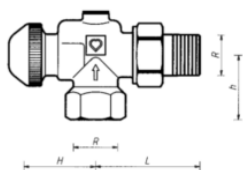
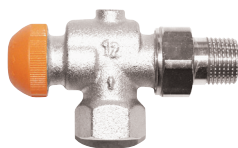
7623 - Straight



7624 - Angle



7628 - Reverse Angle

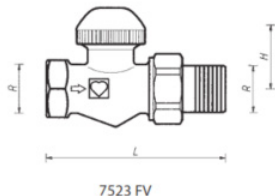
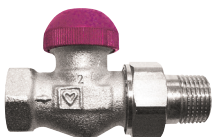

Technical data:

- Body material: Brass nickel plated
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C
- Connection thread: ISO 228-1

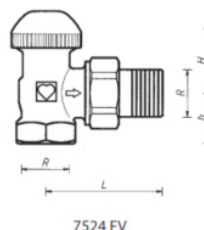
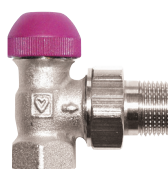
Order number	Model	DN	R	Female Connection	L	H	h	kv
1 7623 67	Straight	15	1/2"	Rp 1/2"	83	27	-	1.1
1 7623 69	Straight	20	3/4"	Rp 3/4"	98	27	-	1.1
1 7624 67	Angle	15	1/2"	Rp 1/2"	54	23	23	1.2
1 7624 69	Angle	20	3/4"	Rp 3/4"	63	23	23	1.2
1 7628 67	Reverse Angle	15	1/2"	Rp 1/2"	55	35	33	1.2

TS-99-FV Preseetable Thermostatic Valves

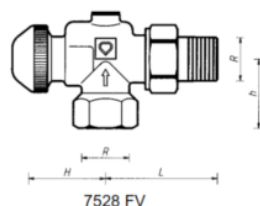
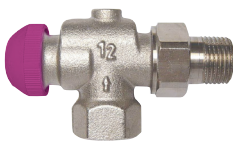
7523 - Straight



7524 - Angle



7528 - Reverse Angle


Technical data:

- Body material: Brass nickel plated
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C
- Connection thread: ISO 228-1

Order number	Model	DN	R	Female Connection	L	H	h	kv
1 7523 67	Straight	15	1/2"	Rp 1/2"	83	27	-	0.39
1 7524 67	Angle	15	1/2"	Rp 1/2"	54	23	23	0.39
1 7528 67	Reverse Angle	15	1/2"	Rp 1/2"	55	35	33	0.39

Presetting Key for TS-98 & 99

6819

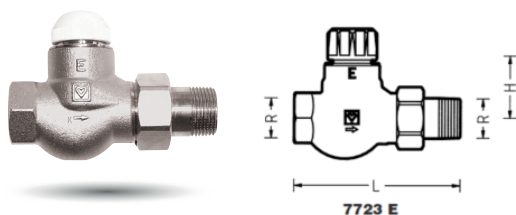


Order number	Model
1 6819 98	Presetting Key

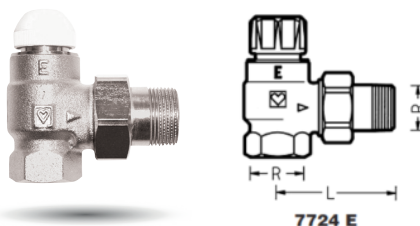
RADIATOR VALVES

TS-E Single Pipe Thermostatic Valves

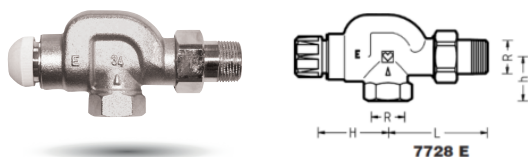
7723 - Straight



7724 - Angle



7728 - Reverse Angle



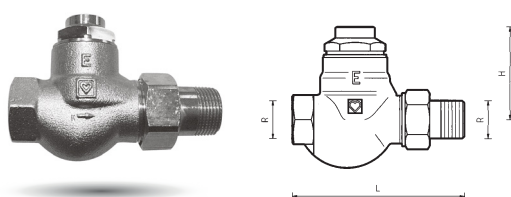
Technical data:

- Body material: Brass nickel plated
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C
- Connection thread: ISO 228-1

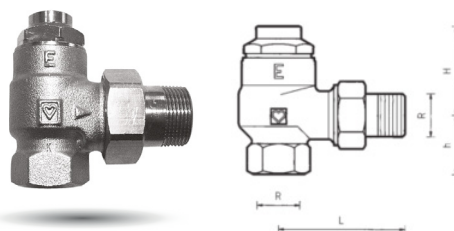
Order number	Model	DN	R	Female Connection	L	H	h	kv
1 7723 11	Straight	15	½"	Rp ½"	95	43	-	5.1
1 7723 02	Straight	20	¾"	Rp ¾"	109	43	-	5.1
1 7723 03	Straight	25	1"	Rp 1"	126	43	-	5.1
1 7724 11	Angle	15	½"	Rp ½"	62	43	29	5.1
1 7724 02	Angle	20	¾"	Rp ¾"	66	35	29	5.1
1 7724 03	Angle	25	1"	Rp 1"	75	35	34	5.1
1 7728 11	Reverse Angle	15	½"	Rp ½"	74	55	35	5.1
1 7728 02	Reverse Angle	20	¾"	Rp ¾"	80	55	35	5.1
1 7728 03	Reverse Angle	25	1"	Rp 1"	82	56	59	5.1

RL1-E Single Pipe Return Valves

3723 - Straight



3724 - Angle



Technical data:

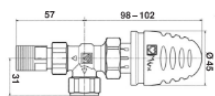
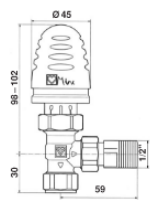
- Body material: Brass nickel plated
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C
- Connection thread: ISO 228-1

Order number	Model	DN	R	Female Connection	L	H	h	kv
1 3723 01	Straight	15	½"	Rp ½"	95	43	-	4.4
1 3723 02	Straight	20	¾"	Rp ¾"	109	43	-	4.7
1 3723 03	Straight	25	1"	Rp 1"	126	43	-	5.6
1 3724 01	Angle	15	½"	Rp ½"	62	43	29	6.5
1 3724 02	Angle	20	¾"	Rp ¾"	66	35	29	8.4
1 3724 03	Angle	25	1"	Rp 1"	75	35	34	10.5

Bi-Directional TRV Sets - Angle/Reverse Angle

7734 - Mini Head

7734 - Std Head

**Technical data:**

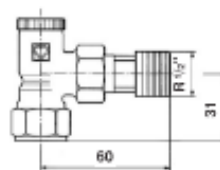
- Body material: Brass chrome plated
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C

Order number	Model	DN	Rad Connection	Cu pipe connection
1 7734 31	Mini Sensor	15	½"	10mm
1 7734 33	Mini Sensor	15	½"	15mm
1 7736 10	Std Sensor	15	½"	10mm
1 7736 15	Std Sensor	15	½"	15mm
1 7834 10	Manual head	15	½"	10mm
1 7834 15	Manual head	15	½"	15mm

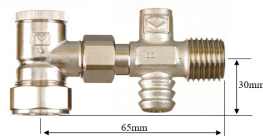
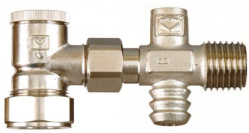
Domestic Return Valves

3734 - Metal Cap

3734 - Plastic Cap



3734 - with Drain

**Technical data:**

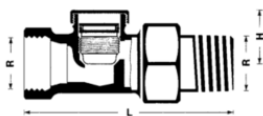
- Body material: Brass chrome plated
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C

Order number	Model	DN	Rad Connection	Cu pipe connection
1 3734 10	Metal cap	15	½"	10mm
1 3734 15	Metal cap	15	½"	15mm
1 3734 31	White plastic cap	15	½"	10mm
1 3734 30	White plastic cap	15	½"	15mm
1 3734 25	with Drain valve	15	½"	15mm

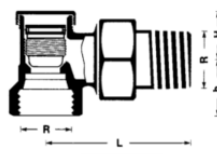
RADIATOR VALVES

RL1 Return Valves

3723 - Straight



3724 - Angle



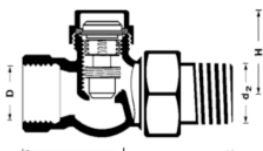
Technical data:

- Body material: Brass nickel plated
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C
- Connection thread: ISO 228-1

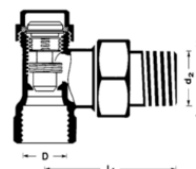
Order number	Model	DN	R	Female Connection	L	H	h
1 3723 41	Straight	15	1/2"	Rp 1/2"	82	28	-
1 3723 42	Straight	20	3/4"	Rp 3/4"	95	27	-
1 3724 41	Angle	15	1/2"	Rp 1/2"	52	20	25
1 3724 42	Angle	20	3/4"	Rp 3/4"	60	21	27

RL5 Return Valves

3923 - Straight



3924 - Angle



Technical data:

- Body material: Brass nickel plated
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C
- Connection thread: ISO 228-1

Order number	Model	DN	d2	D	I2	I4	H	I5
1 3923 01	Straight	15	1/2"	1/2"	81	-	30	-
1 3923 02	Straight	20	3/4"	3/4"	92	-	30	-
1 3924 01	Angle	15	1/2"	1/2"	-	57	29	25
1 3924 02	Angle	20	3/4"	3/4"	-	67	29	28

RL5 Return Valves Accessories

0256



6206



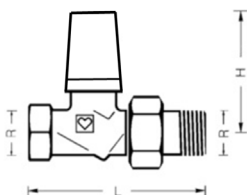
6639



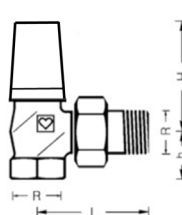
Order number	Description
1 0256 01	Drain valve for RL-5
1 6206 01	Hose union
1 6639 01	Presetting Key

DR-T-90 Lockshield Valves

6823 - Straight



6824 - Angle



Technical data:

- Body material: Brass nickel plated
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C
- Connection thread: ISO 228-1

Order number	Model	DN	R	Female Connection	L	H	h
1 6823 81	Straight	15	1/2"	Rp 1/2"	83	54	-
1 6823 82	Straight	20	3/4"	Rp 3/4"	98	54	-
1 6823 86	Straight	25	1"	Rp 1"	129	85	-
1 6824 81	Angle	15	1/2"	Rp 1/2"	54	48	23
1 6824 82	Angle	20	3/4"	Rp 3/4"	63	48	26
1 6824 86	Angle	25	1"	Rp 1"	76	74	41

DR-T-90 Valve Accessories

6800



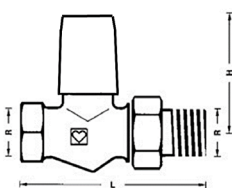
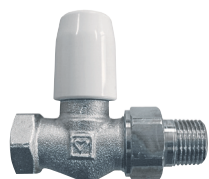
6600



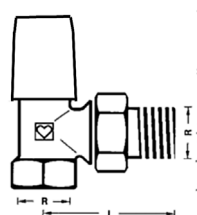
Order number	Description
1 6800 00	1/2" - 3/4" Presetting Key
1 6600 00	1" - 1 1/4" Presetting Key

GP Lockshield Valves

5523 - Straight



5524 - Angle



Technical data:

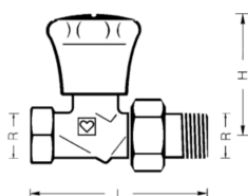
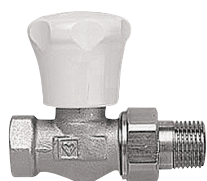
- Body material: Brass nickel plated
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C
- Connection thread: ISO 228-1

Order number	Model	DN	R	Female Connection	L	H	h
1 5523 11	Straight	15	1/2"	Rp 1/2"	82	60	-
1 5523 12	Straight	20	3/4"	Rp 3/4"	95	60	-
1 5524 11	Angle	15	1/2"	Rp 1/2"	52	56	25
1 5524 12	Angle	20	3/4"	Rp 3/4"	60	58	27

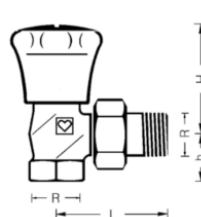
RADIATOR VALVES

DR-T-90 Manual Valves

6823 - Straight



6824 - Angle



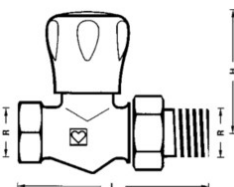
Technical data:

- Body material: Brass nickel plated
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C
- Connection thread: ISO 228-1

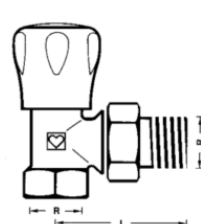
Order number	Model	DN	R	Female Connection	L	H	h
1 6823 91	Straight	15	½"	Rp ½"	83	61	-
1 6823 92	Straight	20	¾"	Rp ¾"	98	61	-
1 6823 73	Straight	25	1"	Rp 1"	129	83	-
1 6824 74	Straight	32	1¼"	Rp 1¼"	155	117	-
1 6824 91	Angle	15	½"	Rp ½"	54	56	23
1 6824 92	Angle	20	¾"	Rp ¾"	63	56	26
1 6824 73	Angle	25	1"	Rp 1"	76	73	34
1 6824 74	Angle	32	1¼"	Rp 1¼"	90	102	41

GP Manual Valves

5523 - Straight



5524 - Angle



Technical data:

- Body material: Brass nickel plated
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C
- Connection thread: ISO 228-1

Order number	Model	DN	R	Female Connection	L	H	h
1 5523 21	Straight	15	½"	Rp ½"	82	61	-
1 5523 22	Straight	20	¾"	Rp ¾"	95	61	-
1 5524 21	Angle	15	½"	Rp ½"	52	56	25
1 5524 22	Angle	20	¾"	Rp ¾"	60	57	27

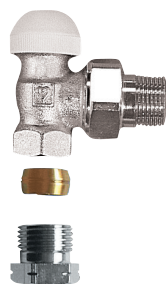
LST Kits

9230 - Design LST



Comprising:

- 1 x Herz Design thermostatic sensor
- 1 x Angled thermostatic valve body
- 1 x Angled Lockshield return valve
- 2 x Copper connection nut & olive
- 1 x Retaining nut and washer, attached to plunger and capillary assembly



9860 - Hercules LST



Comprising:

- 1 x Herz Hercules thermostatic sensor
- 1 x Angled thermostatic valve body
- 1 x Angled Lockshield return valve
- 2 x Copper connection nut & olive
- 1 x Retaining nut and washer, attached to plunger and capillary assembly



Order number	Model
1 9230 58	Design Sensor LST Kit
1 9860 63	Hercules Sensor LST Kit

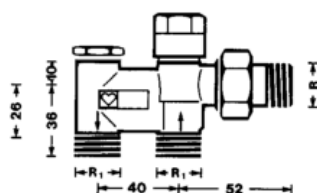
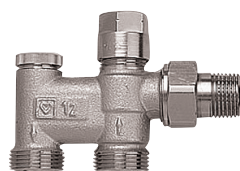
7350



Order number	Description
1 7350 60	LST Capillary

Herz 2000 Connections

7173 - Straight



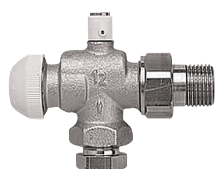
Technical data:

- Body material: Brass nickel plated
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C
- Connection thread: ISO 228-1

Connections to be ordered separately see page 86

Order number	Model	DN	R	R1
1 7173 01	One pipe	15	1/2"	G 3/4"
1 7175 01	Two pipe	15	1/2"	G 3/4"

7728



Reverse Angle Pattern with Air Vent

Order number	Dim.
1 7728 92	1/2" x 15mm

6330



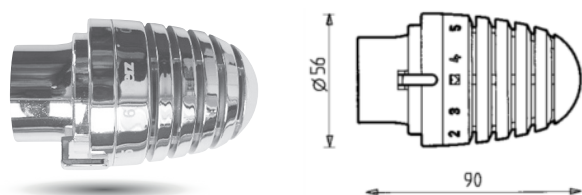
15mm Connection Pipe

Order number	Dim.
1 6330 31	1000mm

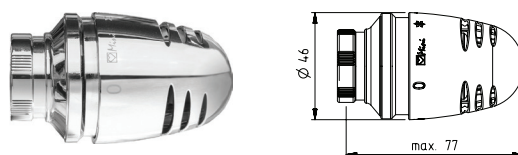
RADIATOR VALVES

Deluxe Thermostatic Sensors

9230



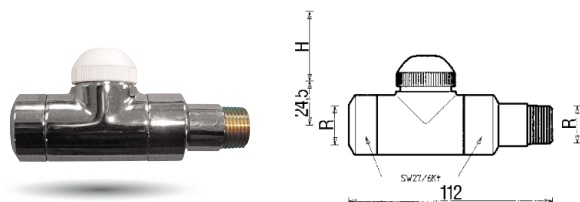
S9200



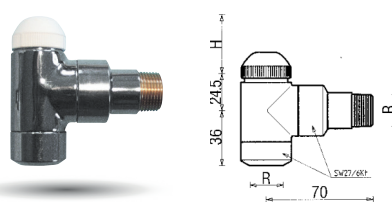
Order number	Description	Temp. range	Frost set	Mounting thread
1 9230 41	Chrome sensor	0 - 30 °C	6 °C	M28 x 1.5
1 9230 44	White RAL9010	0 - 30 °C	6 °C	M28 x 1.5
1 9230 49	Black sensor	0 - 30 °C	6 °C	M28 x 1.5
1 9200 41	Mini Chrome	0 - 30 °C	6 °C	M28 x 1.5
S 9200 34	Mini White RAL 9010	0 - 30 °C	6 °C	M28 x 1.5

Deluxe Thermostatic Valves

7923 - Straight



7924 - Angle



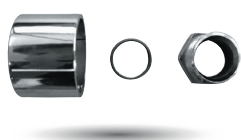
Technical data:

- Body material: Brass
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C
- Connection thread: ISO 228-1

Order number	Model	Description	DN	H	R
1 7923 41	Straight	Chrome	15	Head Dim	1/2"
1 7923 44	Straight	White RAL9010	15	Head Dim	1/2"
1 7923 49	Straight	Black	15	Head Dim	1/2"
1 7924 41	Angle	Chrome	15	Head Dim	1/2"
1 7924 44	Angle	White RAL9010	15	Head Dim	1/2"
1 7924 49	Angle	Black	15	Head Dim	1/2"

Deluxe Copper Connections

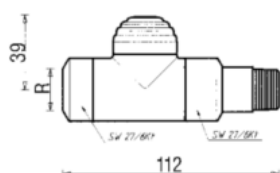
6292



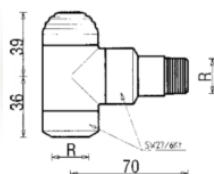
Order number	Description
1 6292 41	Chrome
1 6292 44	White RAL9010
1 6292 49	Black

Deluxe Return Valves

3725 - Straight



3726 - Angle



Technical data:

- Body material: Brass
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C
- Connection thread: ISO 228-1

Order number	Model	Description	DN	R
1 3725 41	Straight	Chrome	15	1/2"
1 3725 44	Straight	White RAL9010	15	1/2"
1 3725 49	Straight	Black	15	1/2"
1 3726 41	Angle	Chrome	15	1/2"
1 3726 44	Angle	White RAL9010	15	1/2"
1 3726 49	Angle	Black	15	1/2"

Radiator Valve Accessories

7780



Herz Changefix Servicing Tool

Order number	Description
1 7780 00	Changefix tool for M28x1.5
1 7781 01	Cleaning brush attachment

6807



Assembly Key

Order number
1 6807 90

6390



TS-90 Replacement Thermostatic Inserts

Order number	Dim
1 6390 90	3/8"
1 6390 91	1/2"
1 9390 92	3/4"
1 6390 93	1"

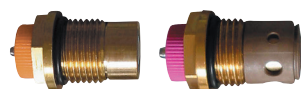
6625



Multipurpose Key

Order number
1 6625 00

6367



TS-98/99 Replacement Presettable Thermostatic Inserts

Order number	Description
1 6367 98	TS-98-V
1 6367 99	TS-99-FV

6680



Tailpiece Assembly Key

Order number
1 6680 00

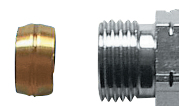
6218



Extension Tailpiece

Order number	Dim
1 6218 11	39mm
1 6218 21	42mm
1 6218 31	48mm
1 6218 41	36mm
1 6218 51	76mm

6292



Copper Connection

Order number
1 6292 01

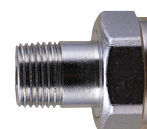
6249



Elbow Connection

Order number	Dim
1 6249 01	1/2"
1 6249 02	3/4"

6210



Reducing Tailpiece for 3/4" valves to 1/2" connection

Order number
1 6210 02

Glanegg, Austria





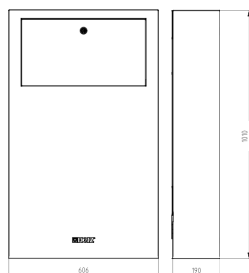
06/ Distribution Systems

Quality material, responsible use

DISTRIBUTION SYSTEMS

Guildford Indirect Heat Interface Unit

4018



Technical data:

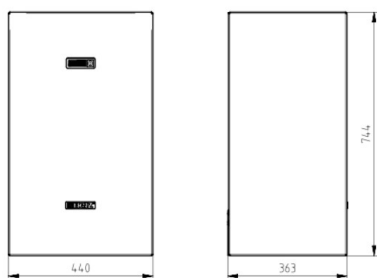
- Twin Heat exchangers
- DHW PT controller, tempering valve
- Primary DPCV
- Thermostatic primary temperature bypass
- Secondary flow temperature limiter
- Secondary pump & expansion vessel etc.
- HIU fully Insulated including cover
- Bottom or Top entry options
- First fix rail including ball valves
- Optional heat meter & water meter



Order number	Max Primary Pressure	Max Primary Temperature	Max DHW Pressure	Max DHW Flowrate
1 4018 78	16 bar	90 °C	10 bar	26 l/min

Dublin Indirect Heat Interface Unit

4018



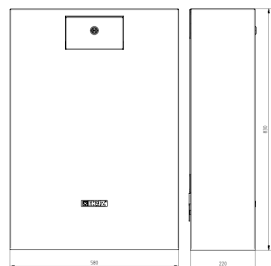
Technical data:

- Twin Heat exchangers
- DHW PT controller
- Primary DPCV
- Thermostatic primary temperature bypass
- Secondary flow temperature limiter
- Secondary pump & expansion vessel etc.
- Insulated Heating pipework
- Cover
- First fix rail including ball valves

Order number	Max Primary Pressure	Max Primary Temperature	Max DHW Pressure	Max DHW Flowrate
1 4018 75	16 bar	90 °C	10 bar	18 l/min

Ecosse Indirect Heating Heat Interface Unit

4023



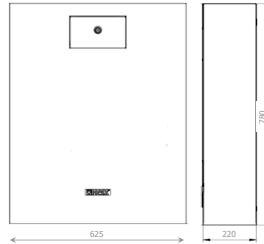
Technical data:

- HTG Heat exchanger
- Thermostatic primary temperature bypass
- Secondary flow temperature limiter
- Secondary DPC/zone valve
- Secondary pump & expansion vessel etc.
- HIU fully Insulated including cover
- First fix rail including ball valves
- Optional heat meter

Order number	Pipe Entry	Max Primary Pressure	Max Primary Temperature	Max secondary Output
1 4023 62	Bottom	16 bar	90 °C	15 kW
1 4023 82	Top	16 bar	90 °C	15 kW

York Direct Heat Interface Unit

4023

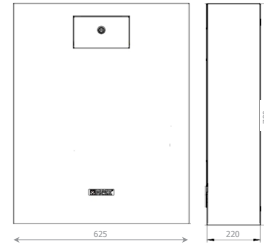
**Technical data:**

- DHW Heat exchanger
- DHW PT controller
- Primary DPCV
- Thermostatic primary temperature bypass
- Secondary DPC/zone valve
- HIU fully Insulated including cover
- First fix rail including ball valves
- Optional heat meter & water meter

Order number	Pipe Entry	Max Primary Pressure	Max Primary Temperature	Max DHW Pressure	Max DHW Flowrate
1 4023 31	Bottom	16 bar	90 °C	10 bar	26 l/min
1 4023 34	Top	16 bar	90 °C	10 bar	26 l/min

Caledonia Direct Heat Interface Unit

4023

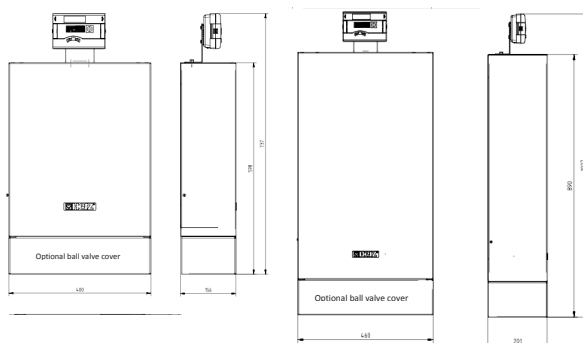
**Technical data:**

- DHW Heat exchanger
- DHW PT controller
- Primary DPCV
- Thermostatic primary temperature bypass
- Secondary DPC/zone valve
- HIU fully Insulated including cover
- Isolation ball valves
- Optional heat meter
- Optional MCW booster pump

Order number	MCW Pump	Max Primary Pressure	Max Primary Temperature	Max DHW Pressure	Max DHW Flowrate
1 4023 12	Installed	16 bar	90 °C	10 bar	26 l/min
1 4023 13	-	16 bar	90 °C	10 bar	26 l/min

Oxford Indirect DHW only Heat Interface Unit

4008/4023

**Technical data:**

- DHW Heat exchanger
- DHW PT controller
- Primary DPCV
- Thermostatic primary temperature bypass
- HIU fully Insulated including cover
- Top or Bottom entry
- Isolation ball valves
- Optional heat meter & water meter

Order number	Max Primary Pressure	Max Primary Temperature	Max DHW Pressure	Max DHW Flowrate
1 4008 28	16 bar	90 °C	10 bar	20 l/min
1 4023 64	16 bar	90 °C	10 bar	30 l/min

DISTRIBUTION SYSTEMS

HIU First Fix Rail

4018/4021/4023

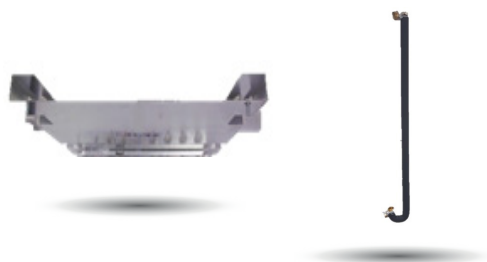


Top entry stand off bracket to allow pipes to be fed down behind the HIU

Order number	Description
1 4023 39	Guildford HIU First Fix Rail
1 4018 96	York & Caledonia HIU First Fix Rail
1 4021 04	Ecosse HIU First Fix Rail

HIU Top Entry Bracket

4018



Top entry stand off bracket to allow pipes to be fed down behind the HIU

Order number	Description
1 4018 79	Guildford HIU top entry bracket
1 4023 37	York & Caledonia HIU top entry bracket
1 4021 05	Ecosse HIU top entry bracket
1 4018 94	1 x Guildford HIU top entry pipe
1 4021 07	1 x York, Caledonia & Ecosse HIU top entry pipe

HIU Primary Flushing Bypass

4018



Can be connected to the primary flow and return ball valves to allow the HIU to be bypassed during system flushing

Order number	Description
1 4018 87	Top entry pipe connection
1 4018 88	Ball valve connection

HIU Filling Loop

HVHIUFL



WRAS approved Filling Loop for charging the space heating system

Order number	Description
HVHIUFL-01	filling loop 15mm connections

Solenoid Valve PN16

HVSOLV



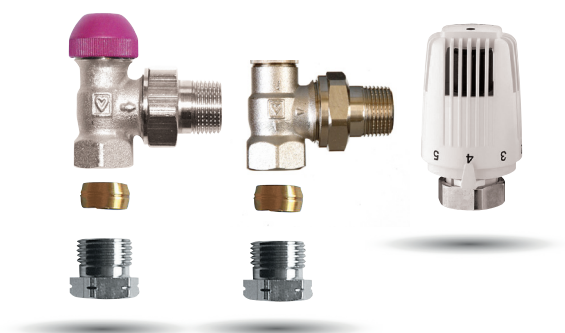
Pilot operated Solenoid Valve for pre-payment applications. Full details on page 71

Order number	Description
HVSOLV-02	DN20 NC Solenoid Valve

Programmable 7 day Digital Room Thermostat can be found on page 49

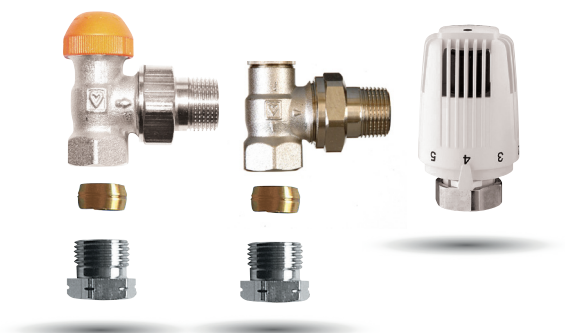
HIU Presettable TRV Sets

HVHIUTRV-99


Comprising:

- 1 x Herz Classic thermostatic sensor
- 1 x Angled Presettable TS-99-FV body
- 1 x Angled Lockshield return valve
- 2 x Copper connection nut & olive

HVHIUTRV-98


Comprising:

- 1 x Herz Classic thermostatic sensor
- 1 x Angled Presettable TS-98-V body
- 1 x Angled Lockshield return valve
- 2 x Copper connection nut & olive

Presettable TRV and lockshield sets for HIU space heating systems

Order number	Description
HVHIUTRV-99	TS-99-FV TRV set
HVHIUTRV-98	TS-98-V TRV set

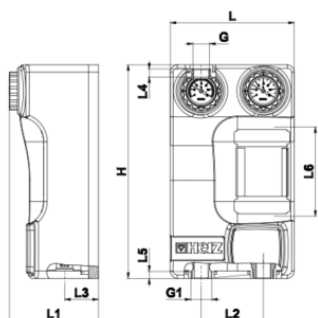
Presettable TRV Rule of Thumb

kW load	10° Δt	15° Δt	20° Δt	25° Δt	30° Δt
0.5	TS-99-FV	TS-99-FV	TS-99-FV	TS-99-FV	TS-99-FV
1.0	TS-99-FV	TS-99-FV	TS-99-FV	TS-99-FV	TS-99-FV
1.5	TS-99-FV	TS-99-FV	TS-99-FV	TS-99-FV	TS-99-FV
2.0	TS-98-V	TS-99-FV	TS-99-FV	TS-99-FV	TS-99-FV
2.5	TS-98-V	TS-98-V	TS-99-FV	TS-99-FV	TS-99-FV
3.0	TS-98-V	TS-98-V	TS-99-FV	TS-99-FV	TS-99-FV
3.5	TS-98-V	TS-98-V	TS-98-V	TS-99-FV	TS-99-FV
4.0	TS-98-V	TS-98-V	TS-98-V	TS-99-FV	TS-99-FV
4.5	TS-98-V	TS-98-V	TS-98-V	TS-98-V	TS-99-FV

DISTRIBUTION SYSTEMS

Pumpfix Direct

4514



Technical data:

- Max operating pressure: 6 bar with pump, 10 bar without pump
- Max operating temperature: 110 °C
- Min operating temperature: 0 °C

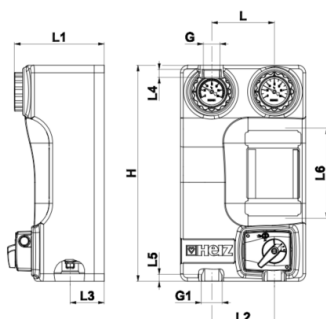
Components

- Ball valves with thermometers
- Optional circulation pump
- Spacer with non-return valve
- EPP insulation

Order number	DN	Pump	kvs	L	H	L1	L2	L3	G	L4	L5	G1	L6
1 4514 11	20	No	4.3	250	390	167	125	68	¾"	16	14	1"	130
1 4514 12	20	Yes	4.3	250	390	209	125	68	¾"	16	14	1"	130
1 4510 25	25	No	5.8	250	430	180	125	68	1"	16	12	1¼"	180
1 4510 26	25	Yes	5.8	250	430	209	125	68	1"	16	12	1¼"	180
1 4514 21	32	No	8.7	250	430	180	125	68	1¼"	16	12	1½"	180
1 4514 22	32	Yes	8.7	250	430	209	125	68	1¼"	16	12	1½"	180

Pumpfix Mix

4514



Technical data:

- Max operating pressure: 6 bar with pump, 10 bar without pump
- Max operating temperature: 110 °C
- Min operating temperature: 0 °C

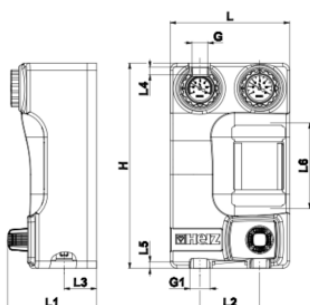
Components

- Ball valves with thermometers
- Optional circulation pump
- Spacer with non-return valve
- 3 port mixing valve
- 3 point actuator

Order number	DN	Pump	kvs	L	H	L1	L2	L3	G	L4	L5	G1	L6
1 4514 14	20	No	4	250	390	186	125	68	¾"	16	14	1"	130
1 4514 15	20	No	6.3	250	390	186	125	68	¾"	16	14	1"	130
1 4514 16	20	Yes	4	250	390	209	125	68	¾"	16	14	1"	130
1 4514 17	20	Yes	6.3	250	390	209	125	68	¾"	16	14	1"	130
1 4511 44	25	No	4	250	430	186	125	68	1"	16	12	1¼"	180
1 4511 45	25	No	6.3	250	430	188	125	68	1"	16	12	1¼"	180
1 4511 46	25	No	10	250	430	193	125	68	1"	16	12	1¼"	180
1 4511 47	25	Yes	4	250	430	209	125	68	1"	16	12	1¼"	180
1 4511 48	25	Yes	6.3	250	430	209	125	68	1"	16	12	1¼"	180
1 4511 49	25	Yes	10	250	430	209	125	68	1"	16	12	1¼"	180
1 4514 24	32	No	10	250	430	193	125	68	1¼"	16	12	1½"	180
1 4514 25	32	No	16	250	430	193	125	68	1¼"	16	12	1½"	180
1 4514 26	32	Yes	10	250	430	209	125	68	1¼"	16	12	1½"	180
1 4514 27	32	Yes	16	250	430	209	125	68	1¼"	16	12	1½"	180

Pumpfix Constant

4514

**Technical data:**

- Max operating pressure: 6 bar with pump, 10 bar without pump
- Max operating temperature: 110 °C
- Min operating temperature: 0 °C

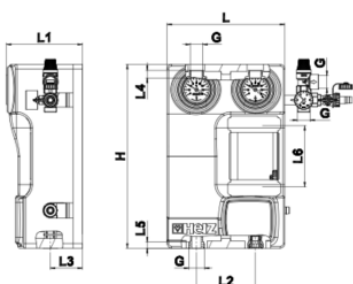
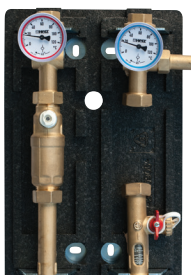
Components

- Ball valves with thermometers
- Optional circulation pump
- Spacer with non-return valve
- Thermostatic 3 port valve
- Thermostatic head

Order number	DN	Pump	kvs	L	H	L1	L2	L3	G	L4	L5	G1	L6
1 4514 07	25	No	4	250	430	190	125	68	1"	16	12	1¼"	180
1 4514 08	25	Yes	4	250	430	209	125	68	1"	16	12	1¼"	180

Pumpfix Solar

4513

**Technical data:**

- Max operating pressure: 6 bar with pump, 10 bar without pump
- Max operating temperature: 110 °C
- Min operating temperature: 0 °C

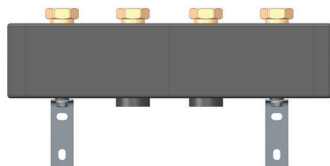
Components

- Ball valves with thermometers
- Ball valves with thermometers and non-return inserts
- Optional circulation pump
- Spacer
- Air vent
- Flow meter (4-24 l/min)
- Safety valve group
- EPP insulation

Order number	DN	Pump	kvs	L	H	L1	L2	L3	G	L4	L5	G1	L6
1 4513 02	20	No	250	390	161	125	68	¾"	16	14	1"	130	180
1 4513 12	20	Yes	250	390	167	125	68	¾"	16	14	1"	130	180

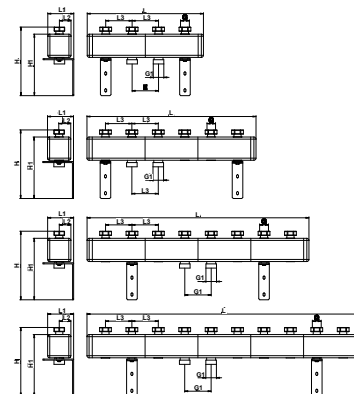
Pumpfix Distributor

4501

**Technical data:**

- Max operating pressure: 4 bar
- Max operating temperature: 110 °C
- Max flow (DN25) 3 m³/h
- Max flow (DN32) 7 m³/h

Order number	DN	Circuits	L	H	L1	L2	L3	H1	G	G1
1 4501 11	25	2	550	324	123	55	125	291	1¼"	1½"
1 4501 12	25	3	800	324	123	55	125	291	1¼"	1½"
1 4501 13	25	4	1050	324	123	55	125	291	1¼"	1½"
1 4501 14	25	5	1300	324	123	55	125	291	1¼"	1½"
1 4501 30	32	2	515	430	193	75	125	401	1½"	2"
1 4501 31	32	3	765	430	193	75	125	401	1½"	2"
1 4501 32	32	4	1015	430	193	75	125	401	1½"	2"
1 4501 33	32	5	1265	430	193	75	125	401	1½"	2"



DISTRIBUTION SYSTEMS

Compact Heating Substation

F8800



Technical data:

- Thermal capacity: 20 kW to 4 MW
- Primary supply temperature: up to 140 °C
- Secondary supply temperature: up to 90 °C
- Primary supply nominal pressure: PN16
- Secondary supply nominal pressure: PN6

Components

- Heat exchangers
- Pressure Independent Control Valve
- Heat meter
- Strainers
- Isolation valves
- Circulation pump
- Air vents and drains
- Microprocessor Control Unit
- Temperature & pressure sensors

The Compact Heating Substation is designed to control the delivery of heating energy to the secondary heating system from a primary network or district heating system.

Bespoke designs.

Cooling options also available.

Order number	Description	Load
F 8800 01	Compact Heating Substation	Up to 300 kW
F 8800 02	Compact Heating Substation	Up to 600 kW
F 8800 03	Compact Heating Substation	Over 600 kW

F8800



Technical data:

- Max temperature: 120 °C
- Max pressure: 16 bar
- Max no of outlets: 6

Components

- Pressure Independent Control Valve
- Fixed Orifice Commissioning Valve
- Fixed Orifice Control Valve
- Strainer
- Isolation valves
- Differential Pressure Control Valve
- DPCV Partnering valve
- Bypass ball valve
- Insulation

A manifold system enclosed in an insulated box suitable for heating or chilled applications.

Incorporating isolation valves on the flow manifold and manual or motorised commissioning valves on the return. Valves are available in DN15 to DN25 sizes and manifolds available up to 6 ports.

Commissioning centres are handed to suit.

Order number	Type	Description
CC-CS	Com Centre CS Version	FODRV & IV on ports, DPCV, strainer, drain, air vent & bypass
CC-CV	Com Centre CV Version	FOCV & IV on ports, DPCV, strainer, drain, air vent & bypass
CC-PICV	Com Centre PICV Version	PICV & IV on ports, OP, strainer, drain, air vent & bypass

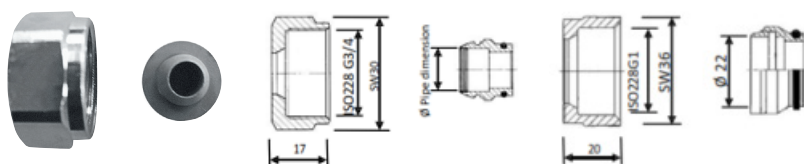
DISTRIBUTION SYSTEMS

Valve Connection Selection Table

Size	DPCV & PICV 4002, 4006		HerzCON 4600		CALIS 7761		DPOV 4004		3 Port Valve 4037	
	Copper	Steel	Copper	Steel	Copper	Steel	Copper	Steel	Copper	Steel
DN15	1 6274 03	1 6210 21	1 6236 11	1 6220 21	1 6236 11	1 6220 21	1 6236 11	1 6220 21	1 6236 02	1 6221 02
DN20	1 6273 01	1 6210 02	1 6236 22	1 6220 12	1 6236 22	1 6220 12	1 6236 22	1 6220 12	1 6236 63	1 6220 63
DN20 HF	1 6236 22	1 6220 12	1 6236 22	1 6220 12	-	-	-	-	-	-
DN25	1 6236 63	1 6220 63	1 6236 63	1 6220 63	1 6236 63	1 6220 63	-	-	1 6236 64	1 6220 64
DN32	1 6236 64	1 6220 64	-	-	1 6236 64	1 6220 64	-	-	1 6236 74	1 6220 74
DN40	1 6236 65	1 6220 65	-	-	-	-	-	-	1 6236 75	1 6220 75
DN50	1 6236 66	1 6220 66	-	-	-	-	-	-	1 6236 76	1 6220 76

Eurocone Compression Connections

6274/6273

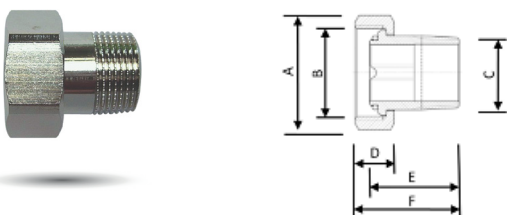


Technical data:

- DIN 3838 (Eurocone)
- Material: Nickel plated brass
- O ring: EPDM
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C

Order number	Cu size	Connection	SW
1 6274 00	10mm	G 3/4	30mm
1 6274 03	15mm	G 3/4	30mm
1 6273 01	22mm	G 1	36mm

6210



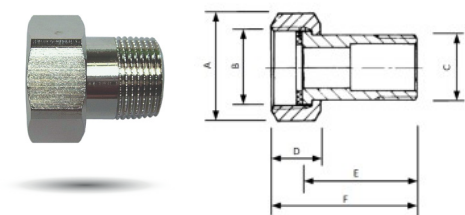
Technical data:

- DIN 3838 (Eurocone)
- Material: Nickel plated brass
- O ring: EPDM
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C

Order number	Size	A	B	C	D	E	F
1 6210 21	DN15	SW 30	G 3/4	1/2"	14	30	35
1 6210 02	DN20	SW 36	G 1	3/4"	16.5	36	39.5

Flat Faced Iron Connections

6220



Technical data:

- Material: Nickel plated brass
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C

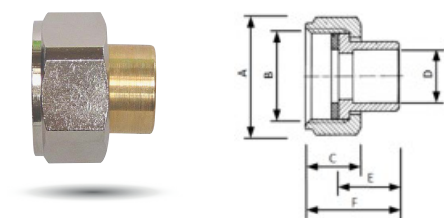
Order number	Size	A	B	C	D	E	F
1 6220 21	DN15	SW 30	G ¾	½"	14	25	34
1 6220 12	DN20	SW 36	G 1	¾"	16.5	31	41
1 6220 63	DN25	SW 46	G 1¼	1"	17.5	35	46
1 6220 64	DN32	SW 52	G 1½	1¼"	22	40	62
1 6220 65	DN40	SW 60	G 1¾	1½"	23	49	63.5
1 6220 66	DN50	SW 75	G 2¾	2"	22.5	56	69

Flat seal connections for 4037

Order number	Size	A	B	C	D	E	F
1 6221 02	DN15	SW 36	G 1	½"	16.5	32.5	43.5
1 6220 63	DN20	SW 46	G 1¼	1"	17.5	35	46
1 6220 64	DN25	SW 52	G 1½	1¼"	22	40	62
1 6220 74	DN32	SW 65	G 2	1¼"	22	49	62
1 6220 75	DN40	SW 75	G 2¼	1½"	23	49	63
1 6220 76	DN50	SW 96	G 2¾	2"	26	56	73

Flat Faced Soldered Connections

6236



Technical data:

- Material: Nickel plated brass
- Max operating pressure: 10 bar
- Max operating temperature: 110 °C

Order number	Size	A	B	C	D	E	F
1 6236 11	DN15	SW 30	G ¾	14	15	17	26
1 6236 22	DN20	SW 36	G 1	16.5	22	23	34
1 6236 63	DN25	SW 46	G 1¼	17.5	28	24	35
1 6236 64	DN32	SW 52	G 1½	22	35	27	41
1 6236 65	DN40	SW 60	G 1¾	23	42	31	45
1 6236 66	DN50	SW 75	G 2¾	23	54	37	55

Flat seal connections for 4037

Order number	Size	A	B	C	D	E	F
1 6236 02	DN15	SW 36	G 1	16.5	15	18	29
1 6236 63	DN20	SW 46	G 1¼	17.5	28	24	35
1 6236 64	DN25	SW 52	G 1½	22	35	27	41
1 6236 74	DN32	SW 65	G 2	22	35	27	40.5
1 6236 75	DN40	SW 75	G 2¼	23	42	31	45.5
1 6236 76	DN50	SW 96	G 2¾	26	54	37	55

UK Terms and Conditions

1. Delivery & Carriage

- 1.1. Orders over the value of £100 net Exc. VAT, on stocked items with a standard 2 to 3 day delivery (UK mainland) will incur no Carriage Charge.
- 1.2. Orders below the value of £100 net Exc. VAT, on stocked items with a standard 2 to 3 day delivery (UK mainland) will incur a £15.00 Carriage Charge.
- 1.3. Guaranteed Next Day Deliveries will be quoted separately.
- 1.4. FORS Accredited sites are to be advised and will be quoted separately.
- 1.5. All order shortages need to be notified within 7 working days from receipt.
- 1.6. Call off orders must be completed within 3 months from the initial order date.
- 1.7. Order specific products may require a separate quotation.
- 1.8. Declarations made or to be made by HERZ to our contract partners come

2. Payment Terms

- 2.1. 30 Days Nett. Subject to our standard conditions of sale available on request.
- 2.2. Credit card payment facility available, Credit card payment facility available, please contact the sales office for details.
- 2.3. All new account applications will be subjected to a credit check before opening.

3. Goods Returns

- 3.1. The goods supplied by us shall remain our property until payment in full. Credit Notes are not guaranteed. They are raised when we have made a satisfactory check that the goods are re-saleable and that the return period has not been exceeded.
- 3.2. Returned goods will only be accepted with prior written consent in the form of a Goods Return Note (GRN) generated by the Herz office which must accompany all goods returned. Any goods without a GRN generated by the Herz office will not be accepted but held for a maximum period of 4 weeks after which they will be disposed of if paperwork is not provided in that time.
- 3.3. All items should be packaged appropriately for safe transportation, as goods damaged in transit, due to poor packaging, cannot be credited by Herz Valves UK Ltd.
- 3.4. Herz will credit the purchase price of goods provided that they are received by us unused and undamaged within 30 days of delivery and with prior written consent from the Herz office in the form of a GRN, subject to our right to levy a minimum 15% handling charge. A copy of the delivery note that accompanied the goods must also be included with the goods. The return of the goods will be at the customer's expense.
- 3.5. If a customer has notified the Herz Sales Office that they wish to return goods and a GRN has been issued, they then have 7 working days in which to do so. No credit will be given if the goods are received after this allotted time.
- 3.6. We will not accept goods returned to us after a 4-month period from the delivery date due to the Terms and Conditions set out in our Warranty.
- 3.7. If returns are due to a Herz sales office error, then Herz Valves will arrange for collection.
- 3.8. Return of goods made to order will not be accepted in any case.

4. Warranty

- 4.1. Herz products are covered by the Herz 5 year warranty as per the Certificate of Guarantee (Customer Protection Notice) paragraph 1.2, with the exception of Herz HIUs which have a 5-year conditional warranty, the first year parts and labour, then parts only for the other 4 years, please contact the sales office for full details of the warranty conditions.
- 4.2. For clarification on any individual product warranties, please contact the sales office.
- 4.3. In the event of a proven claim on Herz Valves UK Ltd for an acknowledged product manufacturing defect, Herz will supply a replacement for the faulty products. It is the customer's responsibility to carry out the necessary replacement works.
- 4.4. The costs for any product replacement works must be agreed in writing prior to the works being carried out and are entirely at the discretion of Herz.
- 4.5. In the event that Herz agree to pay for the replacement works, evidence must be provided in the form of time sheets and receipts for any ancillary materials used etc. to support any claim. Herz reserve the right to refuse any payments that have not been agreed by prior arrangement or that are not supported by sufficiently corroborated evidence.
- 4.6. We will perform our warranty obligation by replacing free of charge any items which verifiably become entirely unusable within three months due to defective material or defective production, if the defective parts are returned within four months from delivery.
- 4.7. Herz will only refund monies for actual work carried out and under no condition will Herz enter any discussion regarding service or management costs of any description, or any markups other than actual costs.
- 4.8. Herz Valves are fully functional and fit for purpose if utilized in an external application and when operated within the temperature and pressure range of the valve, this includes external temperatures. Herz cannot be held responsible if the valves are subjected to extremes of temperature and weather conditions and should be protected and insulated from such. If fitted externally and exposed to the elements (weather conditions) some discolouration to components may occur, this should not affect the functionality of the valve.

5. Product Selection

- 5.1. Whilst great care and due diligence is taken when products are selected, against schedules or drawings, to be as accurate as possible, all quotations and valve schedules should be checked by the customer before ordering as Herz Valves UK Ltd cannot accept responsibility for errors and omissions when quoting, or for incorrectly ordered items.
- 5.2. For valves which require flow rates for sizing, if flow rates have not been provided, the valves will be selected at line size. Where flow rates have been provided, commissioning valves will be selected with a minimum signal of 1 kPa in accordance with CIBSE Code W: 2010 and BSRIA Guide BG 2/2010 Commissioning Water Systems.
- 5.3. For ultra-low flow rates where the signal is less than 1 kPa alternative commissioning techniques can be utilised as described in CIBSE Code W: 2010 and BSRIA Guide BG 2/2010 Commissioning Water Systems.

Herz Valves UK Ltd reserve the right to change design, specification and prices at any time and without prior notification.

Herz Terms and Conditions of Sale, Delivery and Payment

1. Offers, order acknowledgements, contract conclusion

- 1.1. All offers are without obligation. We reserve the right to modify, supplement or discontinue our production at any time.
- 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.
- 1.3. After the acknowledgement of order has been sent, the order placed with us can no longer be modified 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.
- 1.5. The prices are understood as ex works, 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 made or to be made by HERZ to our contract partners come into force once the declarations have been sent to the mailing address provided to us even if this mailing address has changed and we were not notified of this change immediately.
- 1.9. Changes and additions to this contract are only valid with written confirmation by persons at our company registered as authorised representatives in the commercial register. Our other employees are not authorised to agree on changes or ancillary 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 the event of late payment, we reserve the right to charge interest on default in the amount of 10% above the respective Austrian bank rate per annum, however no less than 1% per month. Only payments made to the respective point of payment specified in the invoice shall be recognised by us. In the case of bank transfers, the payment is only considered made when the invoice amount has been irrevocably credited to our account.
- 2.3. Bills of exchange, cheques and payments by payment order shall only be recognised on account of payment.
- 2.4. Upon payment by acceptance or customer's bill, the arising discounting 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. Missing the payment deadline, loss of creditworthiness of the ordering party or other legitimate reasons entitle us, at our discretion, to withdraw from the contract or to declare all of our claims to be due immediately without consideration of the agreed payment deadline, all without hereby justifying a claim to performance or compensation for damages 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. Our ownership right transfers in the event of sale by the purchaser to the proceeds obtained by the purchaser and in the event of further processing to the end product (proportionally). In the event of sale by the purchaser, the purchaser must inform its buyer of the existence of the reservation of ownership.
- 3.2. The purchaser must inform us immediately if third parties assert claims to the goods delivered under reservation of ownership or claim rights thereto. Any legal expenses shall be borne by the purchaser.

4. Packing and Dispatch

- 4.1. The goods will be packed to commercial standards at the purchaser'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 purchaser, 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. Product Modifications

- 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. Defects or damage discernible during a proper receipt inspection must be reported immediately after receipt of the goods; indiscernible defects must be reported immediately after their discovery. However, any warranty claim shall expire three months after delivery.
- 6.2. Deviations in the quantity of units supplied or in weight must also be reported to the transporter or forwarding company (carrier) upon receipt of the goods and the differences must be documented. 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 verifiably become entirely unusable within three months due to defective material or defective production, if the defective parts are returned within four months from delivery.

8. Returned goods

- 8.1. Returned goods shall only be accepted with our prior written consent and only carriage paid to our plant in Vienna in undamaged condition.

- 8.2. Return of items made to order will not be accepted in any case.

9. Late delivery and release from the delivery obligation

- 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 late with the delivery, the purchaser must agree to a reasonable deadline extension of not less than six weeks. The purchaser is no longer entitled to withdraw from the contract – even after setting of an extended deadline – if we have already begun production of the ordered goods.

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 resolve any guarantee claims by providing replacement articles. There is no entitlement to a price reduction.
- 11.3. Demands for compensation for damages arising from installation costs, processing costs, maintenance costs, etc. shall not be accepted or compensated by us under any circumstances.
- 11.4. Claims of the customer to compensation for damages, regardless of their legal basis, in particular due to late performance, impossibility of delivery, positive breach of obligation, negligence upon contract conclusion, consequential harm caused by defects, defects or prohibited actions are excluded insofar as they are not based on intent or gross negligence on our part. The existence of intent or gross negligence must be proven by the customer. 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 accept no liability for damages arising from improper handling or use, excessive loading 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 property damage from a product defect according to the Product Liability Act is excluded for all companies participating in the production and sale of our products as well as for all purchasers of our products, insofar as they are businesses. Our contract partners, insofar as they are businesses, accept the obligation to impose this liability disclaimer clause on their buyers, insofar as these in turn are businesses and our products are involved.

12. Place of Fulfilment and Jurisdiction

- 12.1. The place of fulfilment for all claims arising under the contract is Vienna, insofar as the goods are obtained from the plant in Vienna; if the goods are obtained from the plant in Kemetten, the place of fulfilment is Kemetten.
- 12.2. Vienna is agreed as the exclusive place of jurisdiction for all claims under the contract for contract partners from countries of the European Union as well as from countries of the European Economic Area and for contract partners registered in a country that has concluded an enforcement agreement with Austria.
- 12.3. Vienna is agreed as the place of jurisdiction for contract partners coming from countries that are not covered under item 12.2. The seller reserves the right to also assert the claim under the contract in the respective country before the respectively competent court.
- 12.4. Austrian law shall apply exclusively as subsidiary to these Terms of Sale, Delivery and Payment. The application of the Vienna UN Convention on Contracts for the International Sale of Goods is excluded.

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 April 1st, 2021, 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 and Turkey.

2. Extent 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 for repairing the damage, postage paid to claim location.
- 2.2. At our discretion:
 - a) performing the required dismantling /disassembly and assembly/ installation of products or product components or
 - b) repairing the original product 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. Reimbursement of the direct personal injury costs caused by the products.
- 2.5. Our liability according to 2.1. to 2.3. is limited to €500,000.00 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 certified mail or email 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 on the injured party. The eligible party may not either in our name or in its own name recognise an obligation to provide compensation for damages, either in terms of basis or amount. 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 permitted 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 April 1st, 2021 and March 31st, 2026. 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 Vienna UN Convention on Contracts for the International Sale of Goods is excluded.

Vienna, March 2021



Certifications and Approvals



ISO 9001 Certification

HERZ Armaturen Ges.m.b.H., A-1230V Vienna, has an effective quality management system in all divisions of the business, suitable for upholding all-important trust from customers. Proof has been furnished that the requirements according to **ÖNORM EN ISO 9001:2000** are fulfilled.



ISO 14001 Certification

HERZ Armaturen Ges.m.b.H., A-1230V Vienna, has an effective environmental management system in all divisions of the business, suitable for upholding all-important trust from customers. Proof has been furnished that the requirements according to **ÖNORM EN ISO 14001:2009-11** are fulfilled.



WRAS Approval

Several Herz products have been tested and are in compliance with Regulation 4(1) a of the Water Supply (Water Fittings) Regulations 1999 England & Wales; 2009 Northern Ireland and 2014 Byelaws Scotland.



KIWA Approval

Several Herz products have been tested and are in compliance with Regulation 4(1) a of the Water Supply (Water Fittings) Regulations 1999 England & Wales; 2009 Northern Ireland and 2014 Byelaws Scotland.



CE Marking

All Herz Valves covered by this Product Guide Price List are in accordance with the requirements of the Pressure Equipment Directive 97/23/EC and are either CE marked accordingly or are covered by SEP (Sound Engineering Practice) and do not require CE marking.



EN 215 Key Mark

The thermostatic heads and valves in this Product Guide Price List featuring the Keymark conformity symbol have been tested according to EN 215. The Herz range of Thermostatic Radiator Valves fully complies with BS7556 and BS7478



Manufacturer: HERZ Armaturen
Model: Klassik 7230
Registration number: 10524-20140428



Information: www.tell-online.eu

A Label of EUnited Valves
European Valve Manufacturers Association



Hersteller: HERZ Armaturen
Modell: Klassik 7260
Registrierungsnummer: 10516-20140228



Information: www.tell-online.eu

A Label of EUnited Valves
European Valve Manufacturers Association



Manufacturer: HERZ Armaturen
Model: Design 9230
Registration number: 10424-20111011



Information: www.tell-online.eu

A Label of EUnited Valves
European Valve Manufacturers Association



Hersteller: HERZ Armaturen
Modell: Design 9260
Registrierungsnummer: 10425-20111011



Information: www.tell-online.eu

A Label of EUnited Valves
European Valve Manufacturers Association



Hersteller: Herz Armaturen
Modell: HERZCULES M28xM30"HT"
Registrierungsnummer: 10553-20141105



Information: www.tell-online.eu

A Label of EUnited Valves
European Valve Manufacturers Association

UK Water Regulation 4 compliance

The Water companies are sole enforcers of the Water Supply (Water Fittings) Regulations 1999 and responsible for determining Regulation 4 compliance.

Historically in the UK, WRAS Approval has been the only approvals scheme demonstrating compliance with UK Water Regulation 4. Water fittings are tested in two ISO/IEC 17025 UKAS accredited laboratories (KIWA and NSF) and approved by WRAS to be compliant to Reg 4.

More recently, the two test laboratories that conduct the tests for WRAS Approval have developed their own approval schemes for demonstrating compliance with UK Water Regulation 4. They are the KIWA UK Product Approval Scheme (KUKreg4) and the NSF REG4 Certification Scheme. Both certification schemes comply with the ISO/IEC 17065 product certification scheme and are accepted by industry stakeholders.

It is no longer correct to refer to WRAS Approval as the only indicator of Regulation 4 compliance as there are three approvals bodies, the correct terminology is **UK Water Regulation 4 compliant** and this would encompass the three approvals which each carry equal weight.

In order for manufacturers and distributors of sanitary and plumbing products and components intended for installation in the UK to demonstrate compliance with UK Water Regulation 4, they now have to have one of the three approvals available.

WRAS Approval



KUKreg4 Approval



NSF REG4 Approval



Water Fittings Requirement

Manufacturers and distributors of sanitary and plumbing products and components intended for installation in the UK, have to ensure that their products are compliant with Regulation 4 of the Water Supply (Water Fittings) Regulations 1999 England & Wales; 2009 Northern Ireland and 2014 Byelaws Scotland.

Regulation 4 specifically sets out rules for water fittings, as follows:

Part 1: Every water fitting shall:

- a. Be of an appropriate quality and standard.
- b. Be suitable for the circumstances in which it is used.

Part 2: For the purposes of this regulation, a water fitting is of an appropriate standard or quality only if:

- a. It bears an appropriate CE Mark.
- b. It conforms to an appropriate harmonised standard.
- c. It conforms to an appropriate British Standard.
- d. It conforms to a specification approved by the regulator.

HERZ Valves UK Ltd.

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