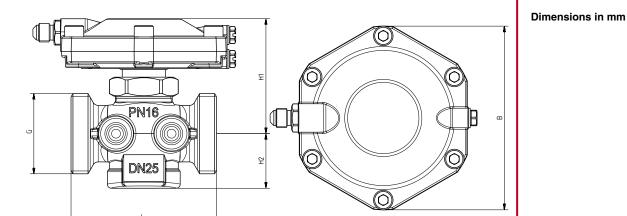
HERZ Regulating valve 4002

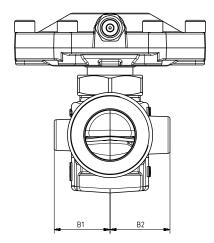
Standard specification sheet

4002_2X-8X

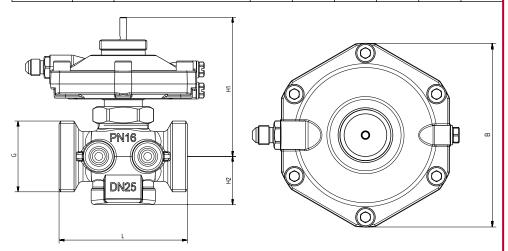
Issue 1010

Differential pressure controller





	DN	G	L	H1	H2	В	B1	B2
1 4002 21	15	3/4 G	66	59	28	94	28.5	28.5
1 4002 22	20	1 G	76	60	28.5	94	27.5	29.5
1 4002 23	25	11/4 with flat seal	76	60	28.5	94	27.5	29.5
1 4002 24	32	1½ with flat seal	114	76	46	94	-	
1 4002 25	40	1¾ with flat seal	132	86	55	94	-	
1 4002 26	50	2% with flat seal	140	86	55	94	-	-

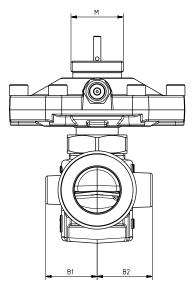


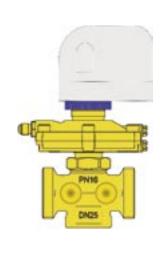
We reserve the right to make changes resulting from HERZ's ongoing development policy.



Richard-Strauss-Straße 22 • A-1230 Wien e-mail: office@herz-armaturen.com • www.herz-armaturen.com







	DN	G	L	H1	H2	В	В1	B2	М
1 4002 81	15	3/4 G	66	81.35	28	94	25.5	28.5	28 x 1.5
1 4002 82	20	1 G	76	82.35	28.5	94	27.5	29.5	28 x 1.5
1 4002 83	25	11/4 with flat seal	76	82.35	28.5	94	27.5	29.5	28 x 1.5
1 4002 84	32	1½ with flat seal	114	98.35	46.5	94	-	-	28 x 1.5
1 4002 85	40	1¾ with flat seal	132	108.35	55	94	-	-	28 x 1.5
1 4002 86	50	2% with flat seal	140	108.35	55	94	-	-	28 x 1.5

The differential pressure controller (4002 8x) can be fitted with an actuator (7709).

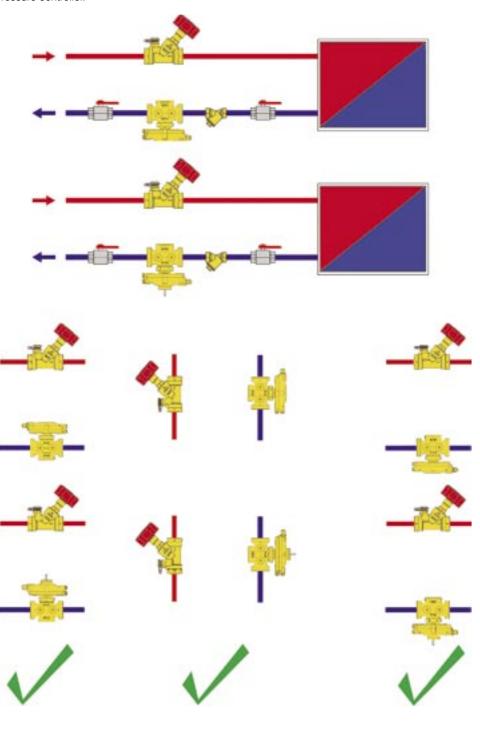
Maximum operating pressure 16 bar **Technical data** Test pressure Maximum differential pressure on the body 2 bar Minimum operating temperature 2 °C (pure water) -20 °C (frost protection) Minimum operating temperature Maximum operating temperature 120 °C The differential pressure controller is a straight-version linear controller and works without auxiliary **Application** power. The fixed nominal differential pressure is 23 kPa. A capillary (1000 mm) is included and should be connected to the circuit regulating valve in the flow. Materials DZR brass Body: Membranes and O-rings: **EPDM** Water purity in accordance with the ÖNORM H 5195 and VDI 2035 standards Ethylene and propylene glycol can be mixed to a ratio of 15 - 45 vol. [%]. DN 15 2,66 m³/h DN 32 9,48 m³/h kvs-values DN 20 DN 40 14,95 m³/h 4,36 m³/h DN 25 5,38 m³/h DN 50 14,95 m³/h

Actuator for 1 4002 8x

Installation

The valve is fitted in the return flow in any orientation. The arrow on the valve body should align with the direction of flow.

It is recommended that an isolation valve is fitted both upstream and downstream of the differential pressure controller.



4117	HERZ-STRÖMAX circuit control valves, angle version	Accessories and spare parts
4217	HERZ- STRÖMAX circuit control valves, straight version	
4017	HERZ- STRÖMAX circuit control valves with integrated metering orifice plate	
4125	HERZ shut-off valves, angle version	
4115	HERZ shut-off valves, angle version	
4215	HERZ shut-off valves, straight version, also variants with male threads. For details please refer to the corresponding data sheets.	
1 0284 01	test point for HERZ circuit control valve, blue cap (return)	
1 0284 02	test point for HERZ circuit control valve, red cap (flow)	
1 0284 11	test point for HERZ circuit control valve, extended model, blue cap (return)	
1 0284 12	test point for HERZ circuit control valve, extended model, red cap (flow)	
1 0284 21	HERZ test point with draining function, blue cap (return)	
1 0284 22	HERZ test point with draining function, red cap (flow)	
1 0284 00	test point adapter set	
1 7710 00	HERZ actuating drive for two-point or pulse control (230V/50Hz)	
1 7710 01	HERZ actuating drive for two-point or pulse control (24V)	
1 0273 09	screw plug 1/4	
1 7709 xx	HERZ actuating drive for two-point or pulse control (24V)	
1 7711 10 1 7711 11:00 1 7711 12 1 7711 13	HERZ-Aktuating drivers for 2-point or pulse control; NC (230V/50Hz) HERZ- Aktuating drivers for 2-point or pulse control; NO (230V/50Hz) HERZ- Aktuating drivers for 2-point or pulse control; NC (24V) HERZ- Aktuating drivers for 2-point or pulse control; NO (24V)	

Junction press screw fitting		Order number
with flat seal	14 x 2 - G 3/4	P 7014 41
	16 x 2 - G 3/4	P 7016 41
	18 x 2 - G 3/4	P 7018 41
	20 x 2 - G 3/4	P 7020 41
	16 x 2 - G 1	P 7016 42
	18 x 2 - G 1	P 7018 42
	20 x 2 - G 1	P 7020 42
	26 x 3 - G 1	P 7026 42
	26 x 3 - G 11/4	P 7026 43
	32 x 3 - G 11/4	P 7032 43
	40 x 3,5 - G 11/4	P 7040 43
	32 x 3 - G 1½	P 7032 44
	40 x 3.5 - G 1½	P 7040 44
	50 x 4 - G 1½	P 7050 44
with cone seal	14 x 2 - G 3/4	P 7014 81
	16 x 2 - G 3/4	P 7016 81
	18 x 2 - G 3/4	P 7020 81
	20 x 2 - G 3/4	P 7020 81

Pipe		8	10	12	14	15	16	18	22
Valve		DN 15	DN 20						
Nut G		3/4	3/4	3/4	3/4	3/4	3/4	3/4	1
Connection	with metal- lic seal	1 6274 18	1 6274 00	1 6274 01	1 6274 02	1 6274 03	1 6274 04		1 6273 01
Connection	with soft			1 6276 12	1 6276 14	1 6276 15	1 6276 16	1 6276 18	

Compression union for calibrated soft steel and copper pipes (for details please refer to thecorresponding data sheets)

Connection	1 6098 18			1 6098 16		1 6098 12	-, .		1 6098 06	1 6098 07
Nut G	3/4		3/4	3/4	3/4	3/4	3/4	3/4		1
Valve	DN 15		DN 15	DN 15	DN 15	DN 15	DN 15	DN 15	DN 15	DN 15
Pipe	10 x 1.3	12 x 2	14 x 2	15 x 2.5	16 x 2	16 x 2.2	17 x 2	17 x 2.5	18 x 2.5	18 x 2

Pipe	20 x 2	20 x 3.5	20 x 2.5	25 x 3.5	26 x 3
Valve	DN 15	DN 15	DN 15		
Nut G	3/4	3/4	3/4		
Connection	1 6098 08	1 6098 10	1 6098 11		
Valve	DN 15			DN 15	DN 15
Nut G				1	1
Connection	1 6198 12			1 6098 00	1 6098 01

Plastic pipe connections for PE-X, PB and aluminium composite pipes (for details please refer to the corresponding data sheets)

Connections

Pipe connections (with cone seal) for metal pipes

Pipe connections (with cone seal) for plastic pipes

Connection elements When installing soft steel or copper pipes with a pipe wall of 1 mm or less with compression unions, we recommend the use of support sleeves (order no.: 1 0674 xx). When installing plastic pipes, suitable calibration tools are needed. Please refer to our instruction manual. For proper installation use silicone oil to lubricate the thread of the locking nut or olive screw as well as the olive. 1 6220 .. Iron pipe connection, consisting of nut, seal and pipe nipple with male pipe thread 1 6236 .. Soldering connection, consisting of nut, seal and soldering nipple Welding connection, consisting of nut, seal and welding nipple 1 6240 1 6210 ... Iron pipe connection consisting of nut, seal and pipe nipple with male pipe thread 1 6235 ... Soldering connection, consisting of nut, seal and soldering nipple Considering how the fitting is used, clean workmanship is required. **Tips** A HERZ strainer (4111) should be fitted to prevent impurities. **Test points** Two test points are fitted on the same side of the valve and factory sealed. Thanks to this arrangement they are easily accessible and measurement devices can be quickly fitted, no matter in what position the flow rate controller has been installed. 7709 **Application examples** 2190 4002 4017 2190 Please note: all diagrams are indicative in nature and do not claim to be complete.

All details contained in this brochure correspond to that available at the time of printing and are for information only. We reserve the right to make changes resulting from HERZ's ongoing development policy. The illustrations are understood to be indicative and may therefore vary visually from the actual products. Any differences in colour are due to the printing technology used. Products may also vary according to the country. We reserve the right to make changes to technical specifications and functions. For questions please contact your nearest HERZ office.

HERZ standard diagram Differential pressure controller Order no. 1 **4002** 2x; 1 **4002** 8x Dim. DN 15 - DN 50 **DN 32 DN 25 DN 20** 0,5 We reserve the right to make changes. 24 20 4 Dp Anlage (kPa)



