

# HERZ Zone Valve

Compact ball valve for diverting



## HERZ Zone Valve

### Overview

Compact ball valve design, motor actuator with 12s switch-over time for rotation between A / B zones, 0% leakage rate between zones, option with male thread or with compression ends, motor actuator with voltage 230 V or 24 V.



### Technical data - Ball valve

Nominal pressure:	PN 10
Dimensions:	DN 20 / DN 25 / DN 32
Max. operating temperature:	110 °C
Min. operating temperature:	0 °C (water 0,5 °C)
Working stroke angle (turn):	90°
Opening torque (at PN10):	≤ 5 Nm
Leakage rate:	0 %
Side connections:	Compression ends (22 / 28 / 35) Male thread flat sealing ass. to ISO 228-1



### Technical data - Motor actuator

Operating mode :	Two-point
Voltage:	230 V or 24 V AC/DC
Running time motor:	12 s / 90°
Auxiliary switch:	Versions with or without AUX switch available



## ☑ Advantages of integrated components

### 1. Quick Response, Energy Efficiency

Equipped with efficient motor actuators, HERZ Zone Valves boast a remarkable 90° position switch in just 12 seconds. This quick response translates to optimal system performance and energy conservation, ensuring your system operates at peak efficiency at all times.



### 2. Tailored to Your Needs

Choose from a range of motor actuators, available in both 230 V AC and 24 V AC/DC variants, with or without adjustable auxiliary switches. Our motor actuators seamlessly integrate with our valves, thanks to a specially designed fast mounting module, allowing for hassle-free installation and maintenance.

### 3. Uncompromising Quality

Crafted from high-quality brass, HERZ ball valves guarantee longevity and reliability. With identical kvs values across AB-A and AB-B variants, you can trust in consistent performance, regardless of the application.

### 4. Versatile Sizing

From DN 20 to DN 32, our valves cater to a variety of system requirements, ensuring compatibility and flexibility in design. Our valves offer the ultimate flexibility, available with your choice of male thread or compression ends.

## ☑ Benefits

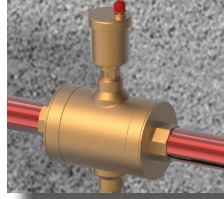
- ☑ Can be used in cooling or heating systems
- ☑ Motor actuator with 12 s switch-over time
- ☑ Available with male thread or with compression ends
- ☑ Motor actuator available with auxiliary switch
- ☑ Body and ball made of brass
- ☑ Compact design
- ☑ From DN 15 to DN 32
- ☑ Easy installation



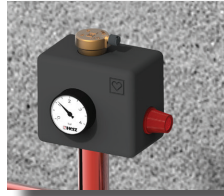
☑ Application



Hydraulic separator



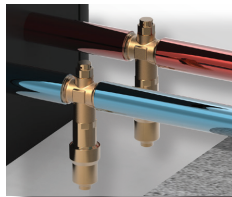
Air Terminator



Boiler group

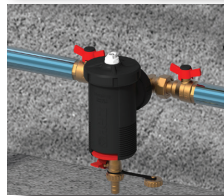


Monoblock Heat pump

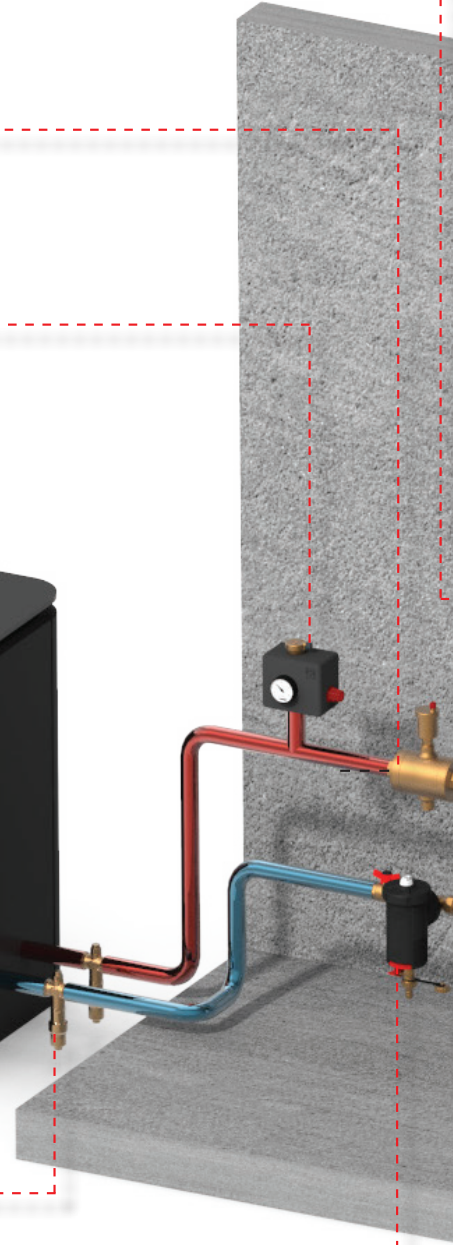


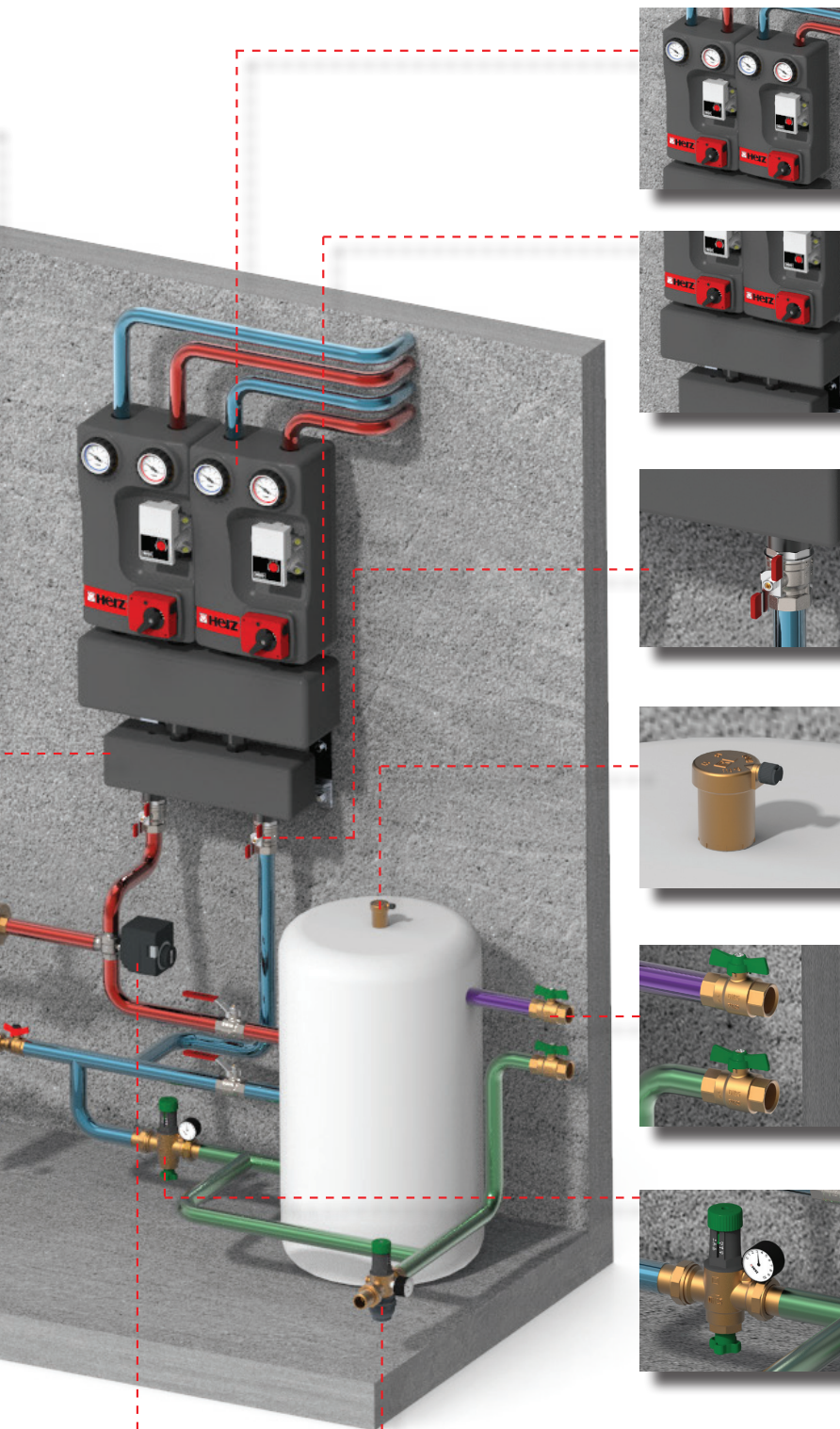
Anti freeze valve

Suitable for 90 °C



HERZ MAG





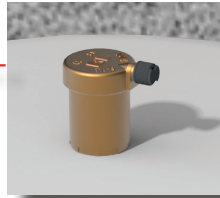
Pump group MIX



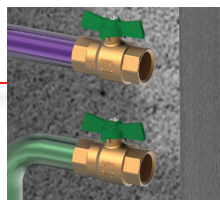
Manifold



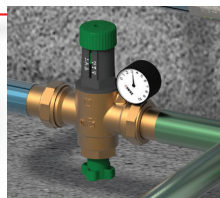
Ball valve CLASSIC



Air vent



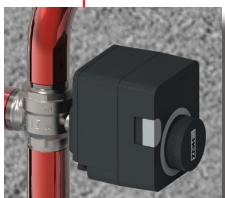
Ball valves for potable water



Automatic filling valve

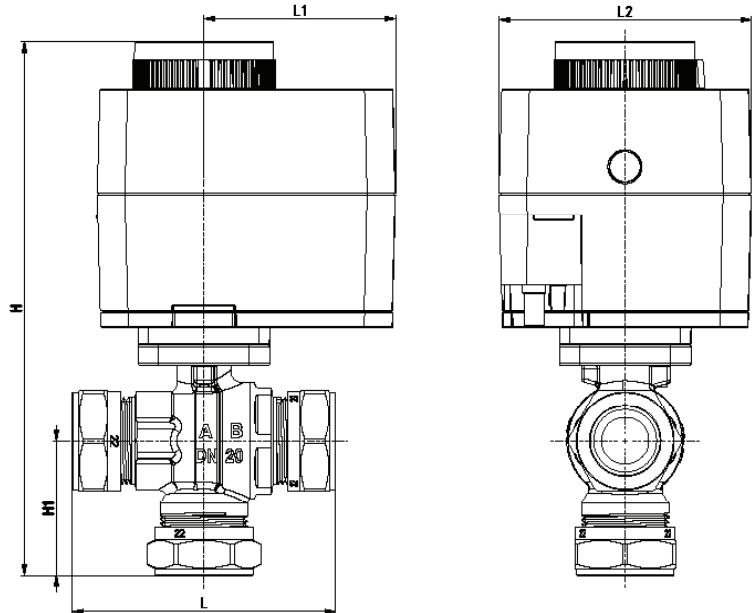


Pressure reducing valve



ZONE VALVE

## ☑ HERZ Zone Valve with compression ends and motor actuator



Set order number*	DN	Cu [mm]	Ball valve order number	Motor actuator order number	Motor actuator description	H [mm]	H1 [mm]	L [mm]	L1 [mm]	L2 [mm]
1 2412 22	20	22	1 2412 02	1 7711 60	HZ1, 230R, 5 Nm, 12 s, 230 V, 2P**	170	43	84	61	80,5
1 2412 23	25	28	1 2412 03			180	46,5	99	61	80,5
1 2412 24	32	35	1 2412 04			196	57	114	61	80,5
1 2412 32	20	22	1 2412 02	1 7711 61	HZ1, 230RS, 5 Nm, 12 s, 230 V, 2P+S***	170	43	84	61	80,5
1 2412 33	25	28	1 2412 03			180	46,5	99	61	80,5
1 2412 34	32	35	1 2412 04			196	57	114	61	80,5
1 2412 42	20	22	1 2412 02	1 7711 62	HZ1, 24R, 5 Nm, 12 s, 24 V, 2P**	170	43	84	61	80,5
1 2412 43	25	28	1 2412 03			180	46,5	99	61	80,5
1 2412 44	32	35	1 2412 04			196	57	114	61	80,5
1 2412 52	20	22	1 2412 02	1 7711 63	HZ1, 24RS, 5 Nm, 12 s, 24 V, 2P+S***	170	43	84	61	80,5
1 2412 53	25	28	1 2412 03			180	46,5	99	61	80,5
1 2412 54	32	35	1 2412 04			196	57	114	61	80,5

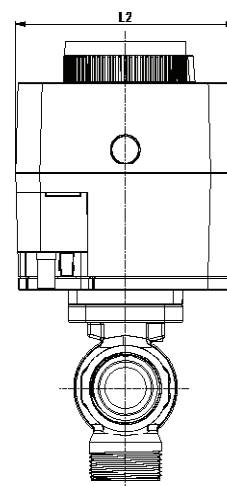
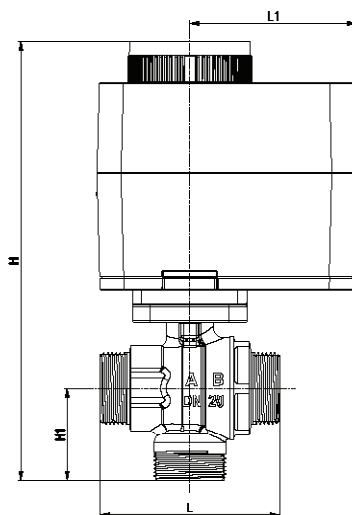
\*order number in the shown table includes SET of ball valve + motor actuator.

For example: 1 2412 22 = 1 2412 02 + 1 7711 60

\*\*2P = 2-point

\*\*\*2P+S = 2-point + auxiliary switch

## ☑ HERZ Zone Valve with external thread and motor actuator



Set order number*	DN	G [mm]	Ball valve order number	Motor actuator order number	Motor actuator description	H [mm]	H1 [mm]	L [mm]	L1 [mm]	L2 [mm]
1 <b>2412 62</b>	20	3/4	1 <b>2412 12</b>	1 <b>7711 60</b>	HZ1, 230R, 5 Nm, 12 s, 230 V, 2P**	161	34	66	61	80,5
1 <b>2412 63</b>	25	1	1 <b>2412 13</b>			170	36,5	79	61	80,5
1 <b>2412 64</b>	32	1-1/4	1 <b>2412 14</b>			186	47	94	61	80,5
1 <b>2412 72</b>	20	3/4	1 <b>2412 12</b>	1 <b>7711 61</b>	HZ1, 230RS, 5 Nm, 12 s, 230 V, 2P+S***	161	34	66	61	80,5
1 <b>2412 73</b>	25	1	1 <b>2412 13</b>			170	36,5	79	61	80,5
1 <b>2412 74</b>	32	1-1/4	1 <b>2412 14</b>			186	47	94	61	80,5
1 <b>2412 82</b>	20	3/4	1 <b>2412 12</b>	1 <b>7711 62</b>	HZ1, 24R, 5 Nm, 12 s, 24 V, 2P**	161	34	66	61	80,5
1 <b>2412 83</b>	25	1	1 <b>2412 13</b>			170	36,5	79	61	80,5
1 <b>2412 84</b>	32	1-1/4	1 <b>2412 14</b>			186	47	94	61	80,5
1 <b>2412 92</b>	20	3/4	1 <b>2412 12</b>	1 <b>7711 63</b>	HZ1, 24RS, 5 Nm, 12 s, 24 V, 2P+S***	161	34	66	61	80,5
1 <b>2412 93</b>	25	1	1 <b>2412 13</b>			170	36,5	79	61	80,5
1 <b>2412 94</b>	32	1-1/4	1 <b>2412 14</b>			186	47	94	61	80,5

\*order number in the shown table includes SET of ball valve + motor actuator.

For example: 1 **2412 62** = 1 **2412 12** + 1 **7711 60**

\*\*2P = 2-point

\*\*\*2P+S = 2-point + auxiliary switch

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