

Change-over ball valves, 3-way,
with flange PN 6

- For closed cold and warm water systems
- For switching functions on the water side and 2-point controls in AHU and heating systems
- Air bubble-tight (control path A - AB)



Overview of types

Type	kvs [m³/h]	DN [mm]	ps [kPa]
R7015R-B1	15	15	600
R7020R-B1	32	20	600
R7025R-B2	26	25	600
R7032R-B3	32	32	600
R7040R-B3	31	40	600
R7050R-B3	49	50	600

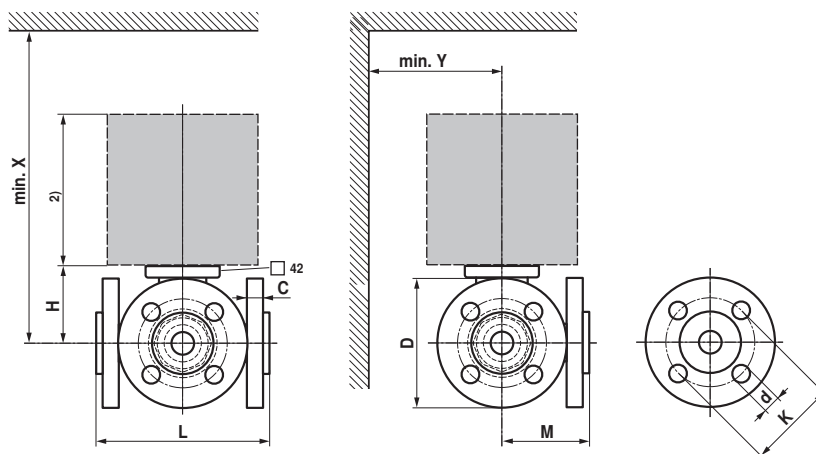
Technical data

Functional data	Media	Cold and hot water, water with glycol up to max. 50% vol.
	Medium temperature	-10 °C ... 100 °C
	Medium temperature note	The allowed media temperature can be limited, depending on the type of actuator. The correct values can be found in the respective actuator sheets. (lower and higher temperatures on request)
	Closing pressure Δp_s	600 kPa
	Differential pressure Δp_{max}	100 kPa
	Flow rate	Bypass B – AB: Approx. 50% of kvs value
	Pipe connectors	Flange PN 6 (in accordance with EN 1092/1)
	Angle of rotation with limitation	90 ° (operating range 15 ... 90°)
	Installation position	Upright to horizontal (in relation to the spindle)
	Maintenance	Maintenance-free
Materials	Valve	Forged, nickel-plated brass body
	Valve cone	Chrome-plated brass
	Spindle	Nickel-plated brass
	Stem seal	O-ring EPDM
	Valve seat	PTFE, O-Ring EPDM (DN20 Viton)
	Flange	DN 15 / 20: galvanised steel DN 25 ... 50: aluminium

R7..R-B..

Dimensions / Weight

Dimensional drawings



DN	Type	Weight approx. [kg]	L [mm]	H [mm]	M [mm]	X [mm]	Y [mm]
15	R7015R-B1	1.8	101.5	45	73	230	90
20	R7020R-B1	2.4	112	47.5	79	235	90
25	R7025R-B2	2.5	132	47.5	92	235	90
32	R7032R-B3	3.4	143.5	52	102.5	240	90
40	R7040R-B3	4	149.5	52	105	240	90
50	R7050R-B3	5.6	165	58	121	245	90

X/Y: Minimum distance with respect to the valve centre.

The actuator dimensions can be found on the respective actuator data sheet.