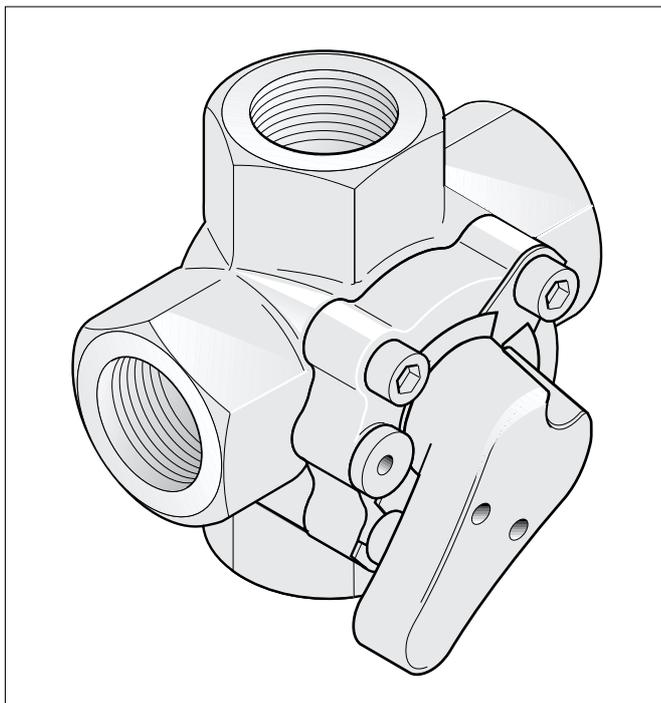


V5442A

4-WAY ROTARY VALVE PN6

PRODUCT DATA



APPLICATION

The V5442A 4-way rotary valve was designed especially for accurate control of supply water temperature in heating systems. When used in combination with the M6063 actuator, its sturdy construction ensures a long and reliable operating life.

FEATURES

- **Chrome-plated plug for long life span**
- **Optimized characteristics for supply water temperature control**
- **Protected against corrosion**
- **Reliable mounting for electrical actuators**
- **Wide range of flow rates**
- **Compact design**

SPECIFICATIONS

Nominal static pressure	600 kPa (6 bar)
Maximum pressure drop	dependent on type (see "Specification and Order Number per DN" on page 3)
Leakage rate	< 1% of k_{VS}
Ports	Internal threads
Angle of rotation	90°
Packing	Double O-ring sealing
Material body	Cast iron
Material inner parts	Chrome-plated cast iron
Medium	Heating water according to VDI 2035 (oxygen concentration less than 0.2 g/m ³ , pH 8...9.5)
Water temperatures in the valve	2 to 110 °C
Weight	dependent on type (see "Dimensions" on page 3)
Flow characteristic	equal percentage

OPERATION

The valve controls a mixing water temperature with a rotating plug. The plug adjusts the water flow of two inputs with two control curves. The required flow water temperature is reached by adding a proportion of return water to the boiler hot water. The V5442A has special control characteristics for optimum control performance.

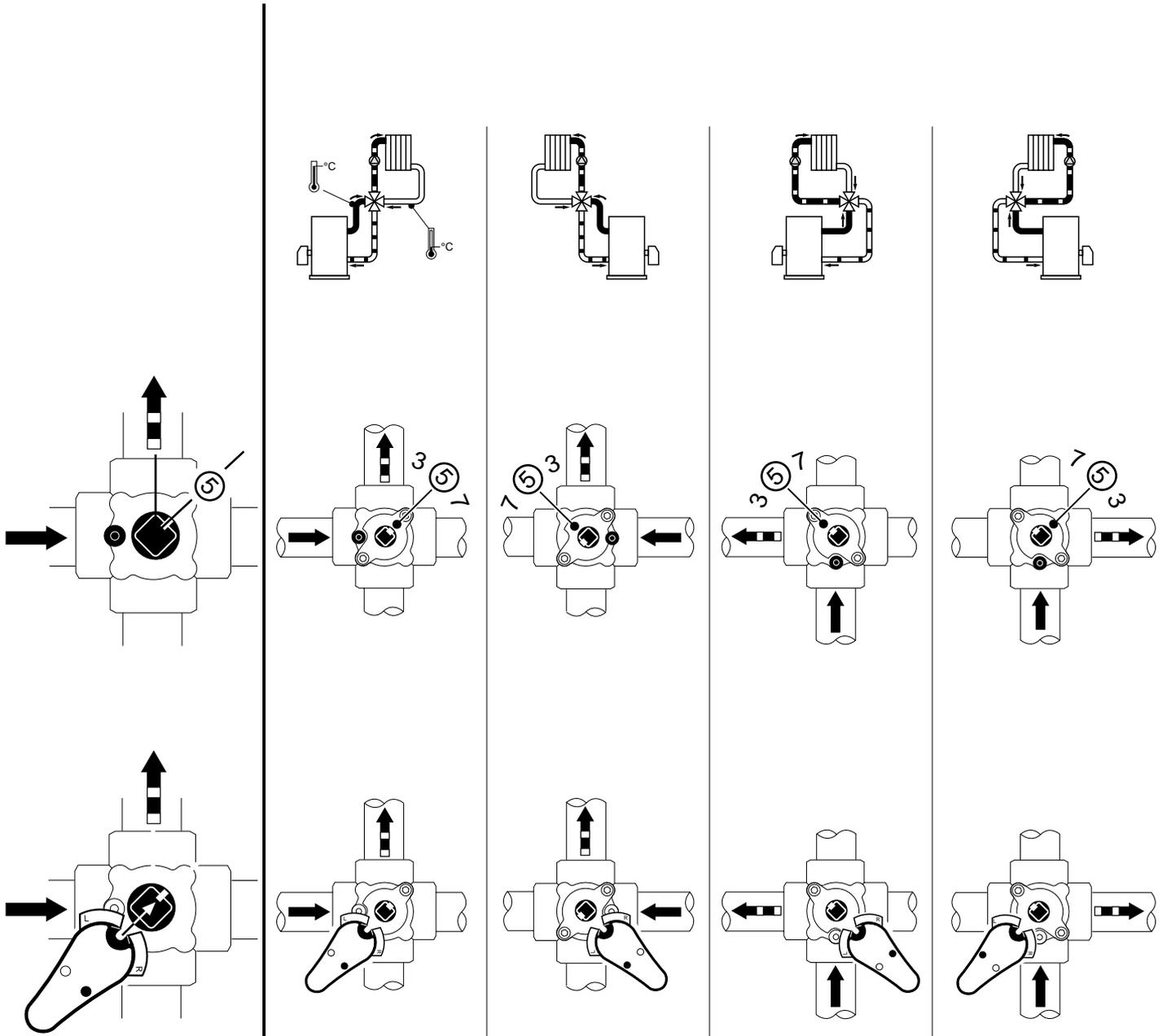
SUITABLE ACTUATORS

- M6063L 1009 (230/240 Vac; floating)
- M6063L 4003 (230/240 Vac; floating) auxiliary switch
- M6063A 1003 (24 Vac; floating)
- M6063A 4007 (24 Vac; floating) auxiliary switch

MOUNTING

Orientation

Examples

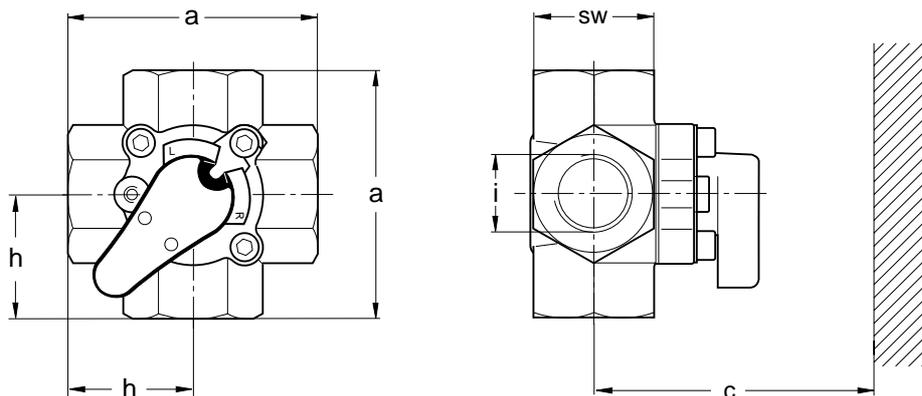


SPECIFICATION AND ORDER NUMBER PER DN

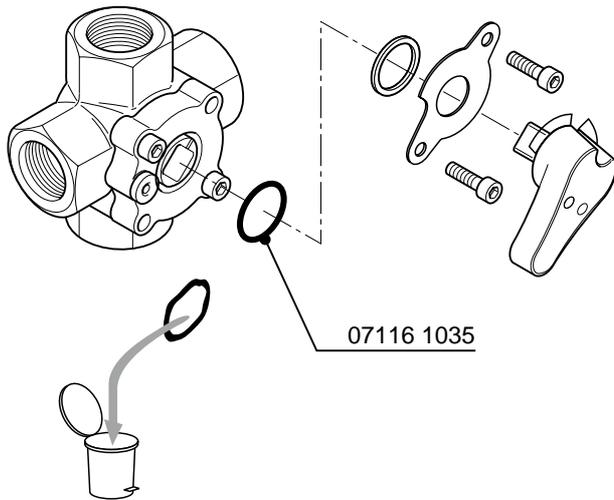
DN	OS Number Internal Thread	kvs [m ³ /h]	Δp [kPa]
20	V5442A 1022	4	100
20	V5442A 1030	6.3	100
25	V5442A 1048	10	100
32	V5442A 1055	16	100

DIMENSIONS

Type	DN	a [mm]	c [mm]	SW [mm]	h [mm]	i [inch]	Net weight [kg]
V5442A 1022	20	85	340	41	42.5	R 3/4	1.0
V5442A 1030	20	85	340	41	42.5	R 3/4	1.0
V5442A 1048	25	105	345	46	52.5	R 1	1.5
V5442A 1055	32	105	350	55	52.5	R 5/4	2.0



O-RING REPLACEMENT



Honeywell

Control Products

Honeywell AG
Böblinger Straße 17
D-71101 Schönaich
Phone: (49) 7031 63701
Fax: (49) 7031 637493
<http://europe.hbc.honeywell.com>

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