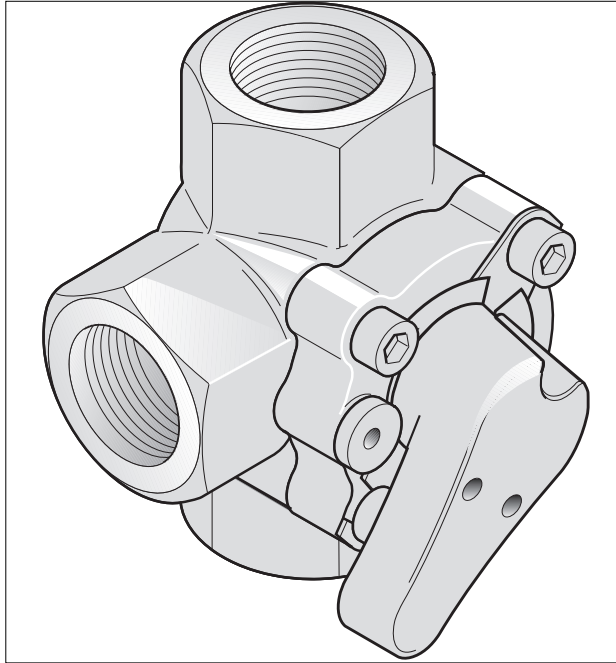


V5433G

3-WAY ROTARY VALVE PN6

PRODUCT DATA



APPLICATION

The V5433G 3-way rotary valve is designed especially for accurate control of supply water temperature in heating and air conditioning systems. When used in combination with the M6063 actuator, its sturdy construction ensures a long and reliable operating life.

FEATURES

- Chrome-plated plug and housing for long life span
- Optimized characteristics for supply water temperature control
- 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	Chrome-plated cast iron GG20
Material inner parts	Chrome-plated cast iron GG20
Medium	Heating water according to VDI 2035 (oxygen concentration less than 0.2 g/m ³ , pH 8...9.5), glycol-water mixtures (max. 50% glycol)
Water temperatures in the valve	2 to 110°C non-condensing
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 V5433G features special control characteristics for optimum control performance.

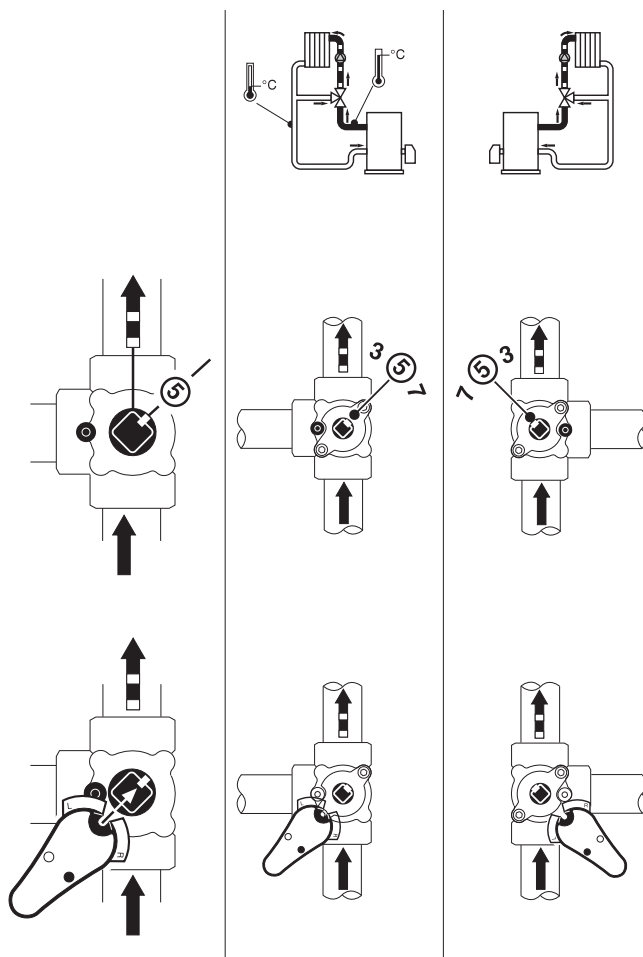
SUITABLE ACTUATORS

M6063L1009 (230/240 Vac; floating)
 M6063L4003 (230/240 Vac; floating) auxiliary switch
 M6063A1003 (24 Vac; floating)
 M6063A4007 (24 Vac; floating) auxiliary switch

MOUNTING DETAILS

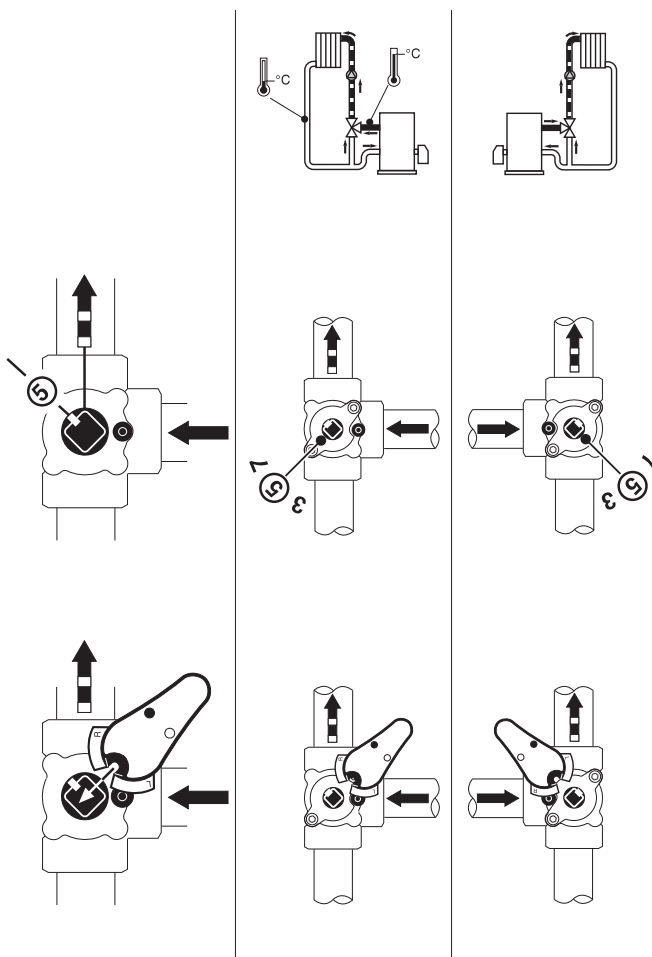
Mounting Version 1

Examples



Mounting Version 2

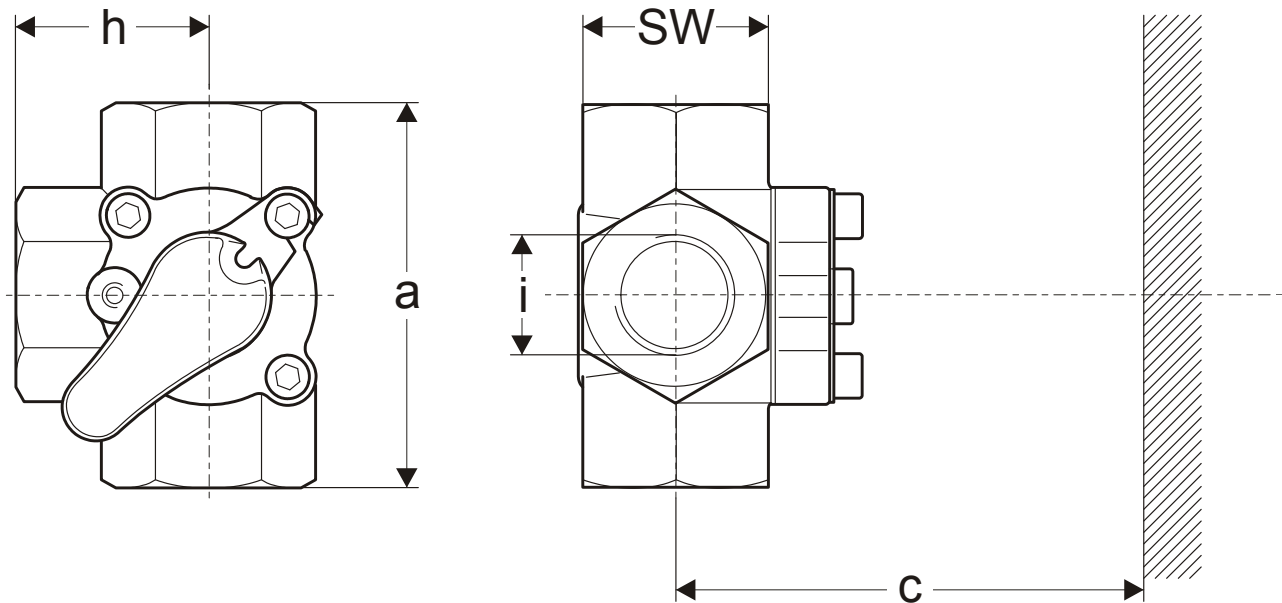
Examples



SPECIFICATION AND ORDER NUMBER PER DN

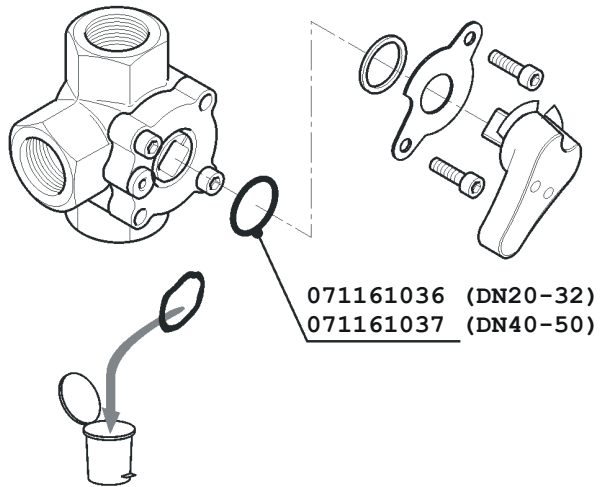
DN	OS Number internal thread	kvs [m³/h]	Δp [kPa]
20	V5433G1004	2.5	100
20	V5433G1012	4.0	100
20	V5433G1020	6.3	100
25	V5433G1038	10	100
32	V5433G1046	16	100
40	V5433G1053	25	100
50	V5433G1061	40	100

DIMENSIONS



type	DN	a [mm]	c [mm]	SW [mm]	h [mm]	i [inch]	net weight [kg]
V5433G1004	20	85	340	41	42.5	R 3/4	0.9
V5433G1012	20	85	340	41	42.5	R 3/4	0.9
V5433G1020	20	85	340	41	42.5	R 3/4	0.9
V5433G1038	25	105	345	46	52.5	R 1	1.4
V5433G1046	32	105	350	55	52.5	R 5/4	1.9
V5433G1053	40	120	355	65	60.0	R 1 1/2	3.3
V5433G1061	50	156	365	80	78.0	R 2	6.1

O-RING REPLACEMENT



Honeywell

Manufactured for and on behalf of the Environmental and Combustion Controls Division of Honeywell Technologies Sàrl, Rolle, Z.A. La Pièce 16, Switzerland by its Authorized Representative:

Automation and Control Solutions

Honeywell GmbH
Böblinger Strasse 17
71101 Schönaich, Germany
Phone +49 (0) 7031 637 01
Fax +49 (0) 7031 637 740
<http://ecc.emea.honeywell.com>

EN0B-0383GE51 R1115

Subject to change without notice