

Centra Linear Valves

V5433A

3-way rotary valve PN6

Application

The V5433A 3-way rotary valve was 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.

Special Features


- Chrome-plated plug for long life
- Optimized characteristic for supply water temperature control
- Reliable mounting for electrical actuators
- Wide range of flow rates
- Compact design



Technical Data

Media	
Medium:	Heating water according to VDI 2035 (oxygen concentration < 0.2 g/m ³ , pH 8...9.5)
Pressure values	
Nominal static pressure:	600 kPa (6 bar)
Max. pressure drop:	dependent on type
Operating temperatures	
Water temperature:	2 to 110 °C, non-condensing
Specifications	
Leakage rate:	< 1% of Kvs
Ports:	Internal threads
Angle of rotation:	90°
Packaging:	Double O-ring sealing
Flow characteristic:	equal percentage

Construction

Overview	Components	Materials
	1 Housing	Cast iron
	Not depicted components:	
	Inner parts	Chrome-plated cast iron

Method of Operation

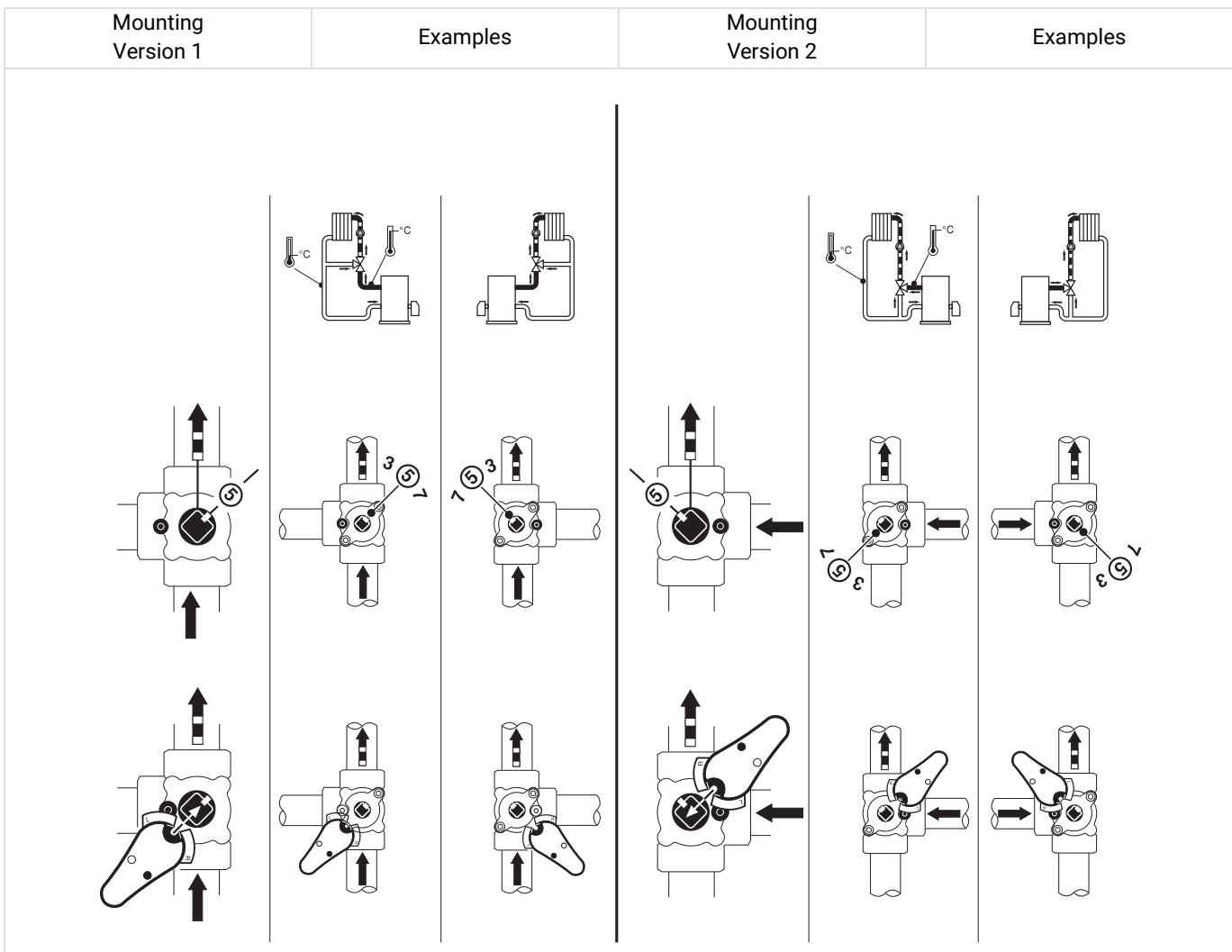
The valve controls a mixing water temperature with a rotating plug. The plug adjusts the water flow of two inputs with two control curves. The required flow water temperature is reached by adding a proportion of return water to the boiler hot water. For optimum control performance, the V5433A has special control characteristics.

Suitable Actuators

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

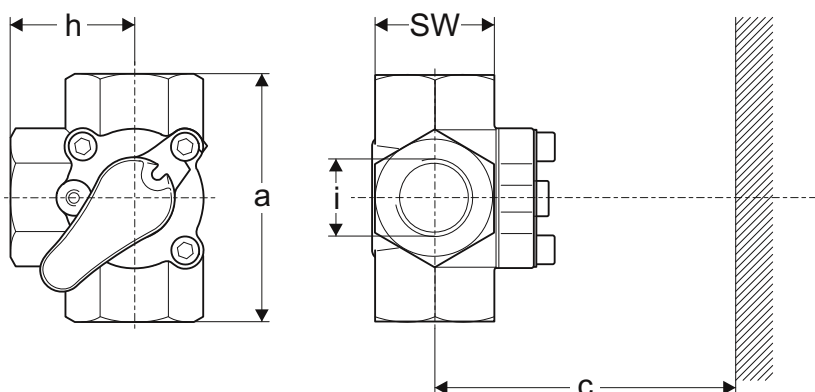
Technical Characteristics

Installation Example



Dimensions

Overview



DN	a (mm)	c (mm)	SW (mm)	h (mm)	i (inch)	Weight	Item Number
20	85	340	41	42.5	R ³ / ₄	0.9 kg	V5433A1015
20	85	340	41	42.5	R ³ / ₄	0.9 kg	V5433A1023
20	85	340	41	42.5	R ³ / ₄	0.9 kg	V5433A1031
25	105	345	46	52.5	R 1	1.4 kg	V5433A1049
32	105	350	55	52.5	R 1 1/4	1.9 kg	V5433A1056
40	120	355	65	60.0	R 1 1/2	3.3 kg	V5433A1064
50	156	365	80	78.0	R 2	6.1 kg	V5433A1072

Ordering Information

The following tables contain all the information you need to make an order of an item of your choice. When ordering, please always state the type, the ordering or the part number.

Options


DN	k _{vs} -value (m ³ /h)	Δp (kPa)	Item Number Internal thread
20	2.5	100	V5433A1015
20	4.0	100	V5433A1023
20	6.3	100	V5433A1031
25	10.0	100	V5433A10349
32	16.0	100	V5433A10356
40	25.0	100	V5433A10364
50	40.0	100	V5433A10372

Rotary V&A Sets

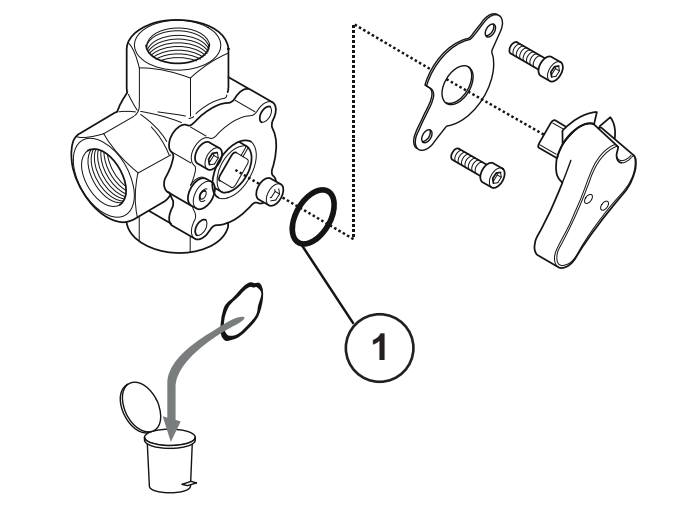
Description	Item Number
Rotary V&A set (V5433A1031 & M6063L1009)	V5433M6320
Rotary V&A set (V5433A1049 & M6063L1009)	V5433M6325
Rotary V&A set (V5433A1056 & M6063L1009)	V5433M6332

Accessories

Overview associated actuators

Description	Voltage	Item No.
 M6063 Rotary actuator, floating	0.5 kg	230/240 V AC M6063L1009
	0.6 kg, Auxiliary switch: 250 V AC, 3 (1) A	230/240 V AC M6063L4003
	0.5 kg	24 V AC M6063A1003
	0.6 kg, Auxiliary switch: 250 V AC, 3 (1) A	24 V AC M6063A4007

Spare Parts

Overview	Description	Dimension	Item No.
	1 O-ring set		
		DN20 - DN32	071161036
		DN40 - DN50	071161037

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