

Rotary valves

Three-way rotary valve PN6



For supply water, heating and air conditioning; hot/cold water quality VDI2035; glycol water mixture 50%.

Valve series	V5431A/F
Valve type	3-way rotary mixing
Medium type	water
Materials	body cast iron, inner parts chrome plated
Packing	double O-ring sealing
Angle of rotation	90 °
Media temp.	2 ... 130 °C
Pressure rating	PN6
Reduced delta P	40 kPa

Internal threads

DN size mm	Kvs value	Max. delta P kPa	Torque for max. delta P Nm	Torque for reduced delta P Nm	Port connection	Type
15	4	100	20	20	internal threads	V5431A1025
20	6.3	100	20	20	internal threads	V5431A1033
25	10	100	20	20	internal threads	V5431A1041
32	16	100	20	20	internal threads	V5431A1058
40	25	100	20	20	internal threads	V5431A1066

Flanges



DN size mm	Kvs value	Max. delta P kPa	Torque for max. delta P Nm	Torque for reduced delta P Nm	Port connection	Type
20	6.3	100	20	20	flanges DIN2531	V5431F1032
25	10	100	20	20	flanges DIN2531	V5431F1040
32	16	100	20	20	flanges DIN2531	V5431F1057
40	25	100	20	20	flanges DIN2531	V5431F1065
50	40	100	20	20	flanges DIN2531	V5431F1073
65	63	100	20	20	flanges DIN2531	V5431F1081
80	100	100	30	20	flanges DIN2531	V5431F1099
100	160	100	40	30	flanges DIN2531	V5431F1107
125	250	70	40	30	flanges DIN2531	V5431F1115
150	630	50	40	40	flanges DIN2531	V5431F1123

M6061A1021	M6061A1039	M6061A1047	M6061L1027	M6061L1035	M6061L1043	M7061E1020	
3-pt 24 Vac	3-pt 24 Vac	3-pt 24 Vac	3-pt 230 Vac	3-pt 230 Vac	3-pt 230 Vac	0/2...10V= 24 Vac/dc	Control input signal
20	30	40	20	30	40	20	Supply voltage
							Torque [Nm]
•	–	–	•	–	–	•	V5431A1025
•	–	–	•	–	–	•	V5431A1033
•	–	–	•	–	–	•	V5431A1041
•	–	–	•	–	–	•	V5431A1058
•	–	–	•	–	–	•	V5431A1066
•	–	–	•	–	–	•	V5431F1032
•	–	–	•	–	–	•	V5431F1040
•	–	–	•	–	–	•	V5431F1057
•	–	–	•	–	–	•	V5431F1065
•	–	–	•	–	–	•	V5431F1073
•	–	–	•	–	–	•	V5431F1081
•	•	–	•	•	–	–	V5431F1099
–	•	•	–	•	•	–	V5431F1107
–	•	•	–	•	•	–	V5431F1115
–	–	•	–	–	•	–	V5431F1123