



## District heating valves – FRS valves

Flanged valves for heating, district heating and air handling systems. FRS-valves are intended for use together with Regin RVA actuator. Adapters are also available for other actuator brands. The valves are mainly intended for district heating and were primarily developed to replace the TAC valve type STL.

The valve is pressure-balanced and is therefore able to handle high differential pressures with low force. This means that an actuator with low force can be used.

Technical data	
Flow characteristics	Equal percentage
Max diff. pressure	1.6 MPa
Stroke	20 mm
Fluid temperature	-5...+150°C (for higher temperatures, please contact Regin)
Media	Hot, cold, glycol mixed water or steam
Connection	Flanges according to ISO 7005-2
Rangeability	100:1
Max. leakage	0.0% of Kvs (PTFE-sealing)
Pressure rating	PN16

Material	
Body	Bronze SS5204
Plug and seat	Stainless steel
Stem	Stainless steel
O-rings	Viton

Description	Connection	Kvs	Actuator	Adapter-kit	Type	Notes
2-way valve	DN20	1.0	RVA5	OVA-F1	FRS20-1,0	
2-way valve	DN20	1.6	RVA5	OVA-F1	FRS20-1,6	
2-way valve	DN20	2.5	RVA5	OVA-F1	FRS20-2,5	
2-way valve	DN20	4.0	RVA5	OVA-F1	FRS20-4,0	
2-way valve	DN25	1.0	RVA5	OVA-F1	FRS25-1,0	
2-way valve	DN25	1.6	RVA5	OVA-F1	FRS25-1,6	
2-way valve	DN25	2.5	RVA5	OVA-F1	FRS25-2,5	
2-way valve	DN25	4.0	RVA5	OVA-F1	FRS25-4,0	
2-way valve	DN32	1.0	RVA5	OVA-F1	FRS32-1,0	
2-way valve	DN32	1.6	RVA5	OVA-F1	FRS32-1,6	
2-way valve	DN32	2.5	RVA5	OVA-F1	FRS32-2,5	
2-way valve	DN32	4.0	RVA5	OVA-F1	FRS32-4,0	
2-way valve	DN40	1.0	RVA5	OVA-F1	FRS40-1,0	
2-way valve	DN40	1.6	RVA5	OVA-F1	FRS40-1,6	
2-way valve	DN40	2.5	RVA5	OVA-F1	FRS40-2,5	
2-way valve	DN40	4.0	RVA5	OVA-F1	FRS40-4,0	
2-way valve	DN50	6.3	RVA5	OVA-F1	FRS50-6,3	
2-way valve	DN50	10	RVA5	OVA-F1	FRS50-10	
2-way valve	DN50	16	RVA5	OVA-F1	FRS50-16	
2-way valve	DN50	20	RVA5	OVA-F1	FRS50-20	
2-way valve	DN65	6.3	RVA5	OVA-F1	FRS65-6,3	
2-way valve	DN65	10	RVA5	OVA-F1	FRS65-10	
2-way valve	DN65	16	RVA5	OVA-F1	FRS65-16	
2-way valve	DN65	20	RVA5	OVA-F1	FRS65-20	

### Spare parts

Description	Type	Notes
Spare parts kit, packing box for FRS valve	S6321457301	

## District heating valves according to DIN-standard



Flanged valves for heating, district heating and air handling systems. The FRSD-valves series meets the requirements of DIN-standard DIN 3205/F1 and ISO 5752 table 1.

FRSD-valves are intended for use together with Regin RVA actuators. Adapters are also available for other actuator brands.

The valve is pressure-balanced and is therefore able to handle high differential pressures with low force. This means that an actuator with low force can be used.

Technical data	
Flow characteristics	Equal percentage
Max diff. pressure	1.6 MPa
Stroke	20 mm
Fluid temperature	-5...+150°C (for higher temperatures, please contact Regin)
Media	Hot, cold, glycol mixed water or steam
Connection	Flanges according to ISO 7005-2
Rangeability	100:1
Max. leakage	0.0% of Kvs (PTFE-sealing)
Pressure rating	PN16
Material	
Body	Bronze SS5204
Plug and seat	Stainless steel
Stem	Stainless steel
O-rings	Viton

Description	Connection	Kvs	Actuator	Adapter-kit	Type	Notes
2-way valve	DN20	1.0	RVA5	OVA-F1	FRSD20-1,0	
2-way valve	DN20	1.6	RVA5	OVA-F1	FRSD20-1,6	
2-way valve	DN20	2.5	RVA5	OVA-F1	FRSD20-2,5	
2-way valve	DN20	4.0	RVA5	OVA-F1	FRSD20-4,0	
2-way valve	DN25	1.0	RVA5	OVA-F1	FRSD25-1,0	
2-way valve	DN25	1.6	RVA5	OVA-F1	FRSD25-1,6	
2-way valve	DN25	2.5	RVA5	OVA-F1	FRSD25-2,5	
2-way valve	DN25	4.0	RVA5	OVA-F1	FRSD25-4,0	
2-way valve	DN32	1.0	RVA5	OVA-F1	FRSD32-1,0	
2-way valve	DN32	1.6	RVA5	OVA-F1	FRSD32-1,6	
2-way valve	DN32	2.5	RVA5	OVA-F1	FRSD32-2,5	
2-way valve	DN32	4.0	RVA5	OVA-F1	FRSD32-4,0	
2-way valve	DN40	1.0	RVA5	OVA-F1	FRSD40-1,0	
2-way valve	DN40	1.6	RVA5	OVA-F1	FRSD40-1,6	
2-way valve	DN40	2.5	RVA5	OVA-F1	FRSD40-2,5	
2-way valve	DN40	4.0	RVA5	OVA-F1	FRSD40-4,0	

### Spare parts

Description	Type	Notes
Spare parts kit, packing box for FRSD valve	S6321457301	