



FRS

District heating valve

2-way valve for district heating, primarily developed to replace the well-known STL-valves.

- Replacement valve for STL-valves
- Sizing DN20...DN65
- High closeness, (PTFE-sealing)

- Pressure rating PN16
- Media temperature -5...+150°C
- Kv value 1.6...25
- Max. diff. pressure 1.6 MPa

Regin's new FRS-valves are constructed to regulate hot and cold water together with NV...-actuators. There are also adapters that allow the valves to be used with other actuator brands.

Models

Connection	Kv	Actuator type	Type
2-way, DN20	1.6	NV...	FRS20-1.6
2-way, DN20	2.5	NV...	FRS20-2.5
2-way, DN20	4.0	NV...	FRS20-4.0
2-way, DN25	1.6	NV...	FRS25-1.6
2-way, DN25	2.5	NV...	FRS25-2.5
2-way, DN25	4.0	NV...	FRS25-4.0
2-way, DN32	1.6	NV...	FRS32-1.6
2-way, DN32	2.5	NV...	FRS32-2.5
2-way, DN32	4.0	NV...	FRS32-4.0

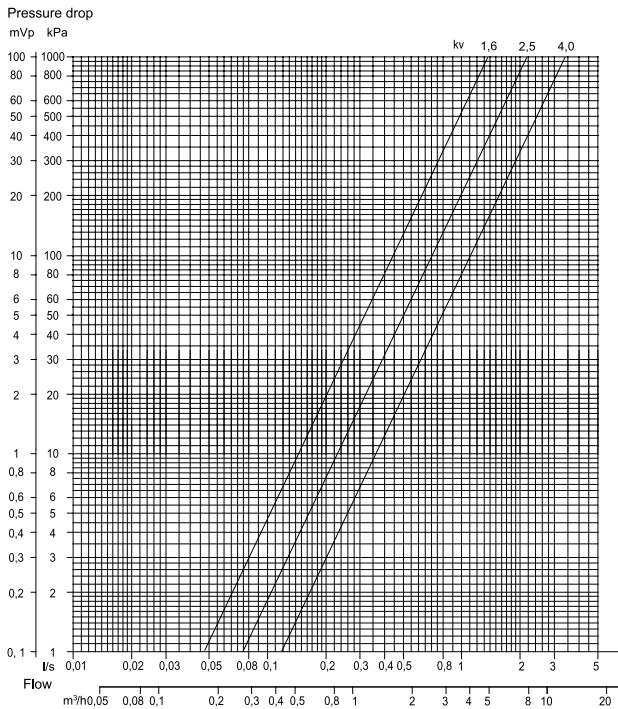
Connection	Kv	Actuator type	Type
2-way, DN40	1.6	NV...	FRS40-1.6
2-way, DN40	2.5	NV...	FRS40-2.5
2-way, DN40	4.0	NV...	FRS40-4.0
*2-way, DN50	6.3	NV...	FRS50-6.3
*2-way, DN50	10	NV...	FRS50-10
*2-way, DN50	16	NV...	FRS50-16
*2-way, DN50	25	NV...	FRS50-25
*2-way, DN65	6.3	NV...	FRS65-6.3
*2-way, DN65	10	NV...	FRS65-10
*2-way, DN65	16	NV...	FRS65-16
*2-way, DN65	25	NV...	FRS65-25

**Ready for delivery in February*

Technical data

Flow characteristic	Square
Max. diff. pressure	1.6 MPa
Stroke	20 mm
Temperature range	-5...+150°C (for higher temperatures, contact Regin)
Media	Hot, cold and glycol mixed water or steam
Connection	Flanges according to ISO 7005-2
Rangeability	100:1
Max. leakage	0.0% of Kv (PTFE-sealing)
Pressure rating	PN16
Material	
Body	Bronze SS5204
Disc and Seat	Stainless steel
Stem	Stainless steel
O-rings	Viton

Dimensions and pressure drop diagram

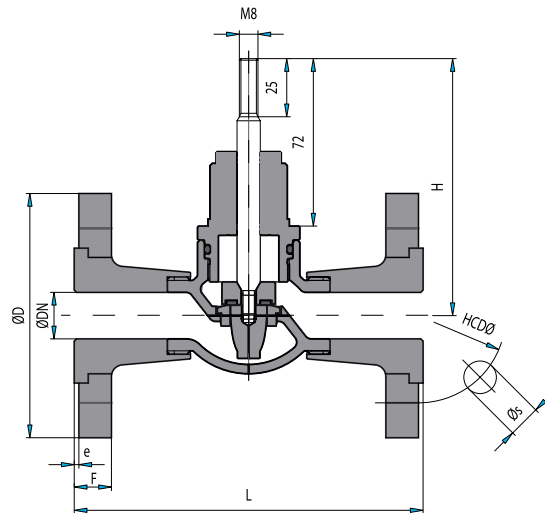


Valve type: FRS

To replace STL-valves

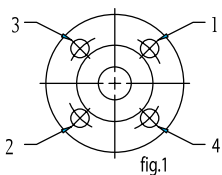
Valves are available in DIN-standard lengths

DN	ØD	L	F	e	H	ØHCD	Øs (x4)
20	105	142	16	2	110	75	14
25	115	156	16	2	115	85	14
32	140	165	18	2	115	100	18
40	150	170	18	3	115	110	18



Mounting

- 1 The mounting surfaces should be free from dirt and rough areas.
- 2 The valve should be mounted so the arrow on the body is pointing in the flow direction.
- 3 Adjust the connection between the valve and the counter flange to minimise the tension between them.
- 4 Draw the screw-bolts cross-wise, according to fig. 1.
- 5 Draw one side at a time.
- 6 After the valve has been tested, the bolts should be drawn again according to fig. 1.



- 1 Valve
- 2 Nut
- 3 Packing (fixed on new valves)
- 4 Screw-bolt

