



MSV-F2 2nd generation of flanged manual pre-setting valves

- Hydronic Balancing of heating and cooling systems
- Simple and compact design.
- Easy presetting and easy readable scale
- Higher flow rates than MSV-F, 1st generation
- Fast and precise flow measurements with new measuring orifices

The MSV-F2 is the 2nd generation of flanged manual balancing valves from Danfoss.

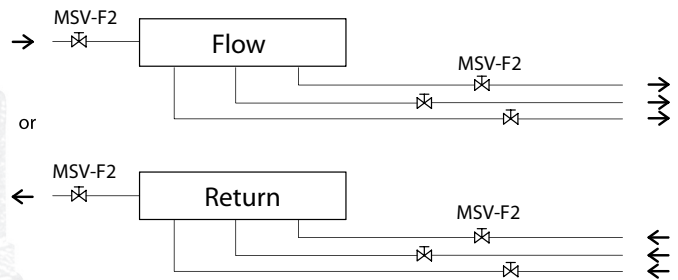
The MSV-F2 is used to secure hydronic balance in heating and cooling systems.

Advantages of the MSV-F2:

- A compact valve with excellent flow characteristics.
- Easy presetting and easy readable scale, due to an improved handle.
- Higher flow rates, due to improved design.
- Stroke limiter and non-rising handwheel for all dimensions
- Possibility of using different types of measuring nipples.
- Possibility of fast and precise flow measurement by using measuring orifices together with the valve.
- All in all, best value for money

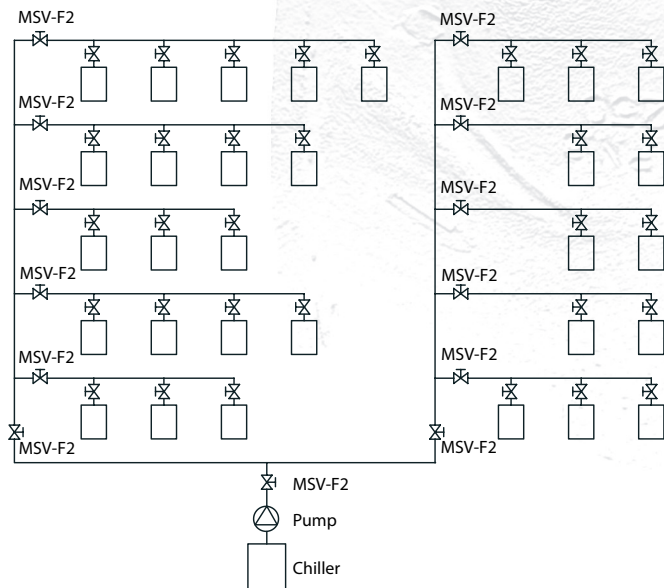
MSV-F2 is a manual presetting valve, designed to secure a constant flow limitation. It is made of cast iron (GG25 for PN16 versions and GGG40.3 for PN25 versions) and operates within the temperature range of -10 to 130 °C (up to 150°C for PN25 versions).

MSV-F2 can be used in numerous HVAC applications, like air handling units (AHU), fan coil systems and central heating applications such as boiler stations.



Example of balancing application of MSV-F2 valves in heating installation (supply or return side).

MSV-F2 (PN16)	DN (mm)	k_{vs} (m ³ /h)	Code no. (without meas. nipples)	Code no. (with meas. nipples)
	50	53.8	003Z0161	003Z1061
	65	93.4	003Z0162	003Z1062
	80	122.3	003Z0163	003Z1063
	100	200.0	003Z0164	003Z1064
	125	304.4	003Z0165	003Z1065
	150	400.8	003Z0166	003Z1066
	200	685.6	003Z0167	003Z1067
	250	952.3	003Z0168	003Z1068
	300	1380.2	003Z0169	003Z1069



Cooling installation (flow) with manual presetting valves. In order to balance the cooling installation, manual presetting valves should be mounted under each riser, branch and single terminal unit.

MSV-F2 (PN 25)	DN (mm)	k_{vs} (m ³ /h)	Code no. (without meas. nipples)	Code no. (with meas. nipples)
	50	53.8	003Z0170	003Z1070
	65	93.4	003Z0171	003Z1071
	80	122.3	003Z0172	003Z1072
	100	200.0	003Z0173	003Z1073
	125	304.4	003Z0174	003Z1074
	150	400.8	003Z0175	003Z1075
	200	685.6	003Z0176	003Z1076
	250	952.3	003Z0177	003Z1077
	300	1380.2	003Z0178	003Z1078

Flange valves dimension DN 15-40, DN 350 and DN 400 are available on request. Please contact your local Danfoss sales representative for further information.

PFM 3000 measuring instrument	Code no.
For measuring flow and pressure drop	003L8230

Code numbers for measuring orifices, see the data sheet.