

Hydronic balancing and Control | MSV-F2

High accuracy flow control for high volume applications

Installing and working with MSV-F2 manual balancing valves is easier than ever. The compact design and pre-mounted measuring nipples makes installation a breeze, and the 100% shut-off function will make service and repair simpler than ever. Furthermore the highly durable paint job provides a high degree of resistance to corrosion, making the MSV-F2 the obvious choice for a long-lasting solution.



3 reasons

to choose for MSV-F2

- 100% shut-off function
- Pre-mounted measuring nipples
- Pre-setting lock

Choose **the right product** for you

MSV-F2 is a manual pre-setting balancing valve, designed to secure a constant flow verification. It is applied in numerous HVAC systems, like air handling units (AHU), fan coils, chilled panels, manifolds and central heating applications like boiler stations. It can also be used as flow verification and shut-off valve for pressure controllers, or as constant flow by-pass balancing in air handling units.

Due to the static hydronic balancing principle used, MSV-F2 manual balancing valves are recommended in so called constant flow systems. To balance variable flow systems it is recommended to use a dynamic balancing

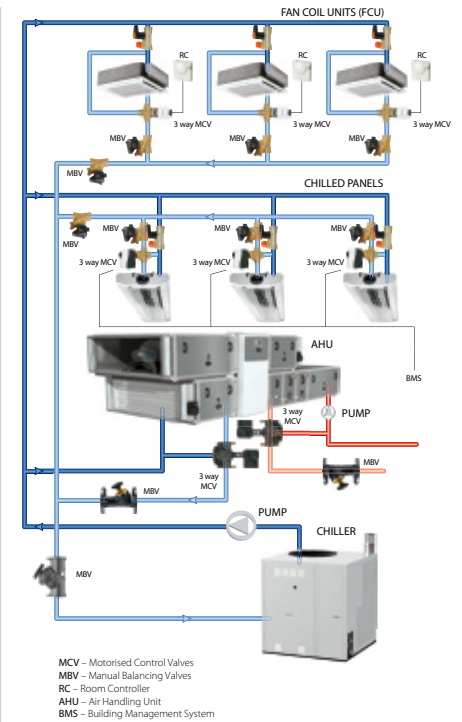
solution with e.g. Danfoss ASV differential pressure controllers and corresponding partner valves, or Danfoss AB-QM Pressure Independent balancing and Control Valves with corresponding actuator.

Advantages of the MSV-F2:

- 100% shut-off function for service and repair
- Compact valve with excellent flow characteristics
- Easy readable digital scale
- High flow rates
- Locking of pre-setting
- Measuring orifices for easy verification of the flow
- Excellent paint job to prevent corrosion

Danfoss MSV-F2 (PN16 / PN25)

MSV-F2	DN [mm]	PN16		PN25	
		Kvs [m³/h]	Code no.	Kvs [m³/h]	Code no.
	15	3.1	003Z1085	3.1	003Z1092
	20	6.3	003Z1086	6.3	003Z1093
	25	9.0	003Z1087	9.0	003Z1094
	32	15.5	003Z1088	15.5	003Z1095
	40	32.3	003Z1089	32.3	003Z1096
	50	53.8	003Z1061	53.8	003Z1070
	65	93.4	003Z1062	93.4	003Z1071
	80	122.3	003Z1063	122.3	003Z1072
	100	200.0	003Z1064	200.0	003Z1073
	125	304.4	003Z1065	304.4	003Z1074
	150	400.8	003Z1066	400.8	003Z1075
	200	872.0	003Z1140	872.0	003Z1145
	250	1238	003Z1141	1238	003Z1146
	300	1662	003Z1142	1662	003Z1147
	350	2359	003Z1143	2359	003Z1148
400	3516	003Z1144	3516	003Z1149	



Example of a constant flow chilled water system using Manual Balancing Valves (MBV).



For more information, complementary manual balancing valves in smaller dimensions and corresponding accessories visit us at hbc.danfoss.com

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