



Pressure Independant Control Valve

F 4006 62 - 68

- ❑ Flow control and limitation
- ❑ Used in cooling and heating systems
- ❑ Constant, presettable flow rate
- ❑ Flow rate adjustment by electric actuator for precise temperature control
- ❑ Energy saving through accurate regulation

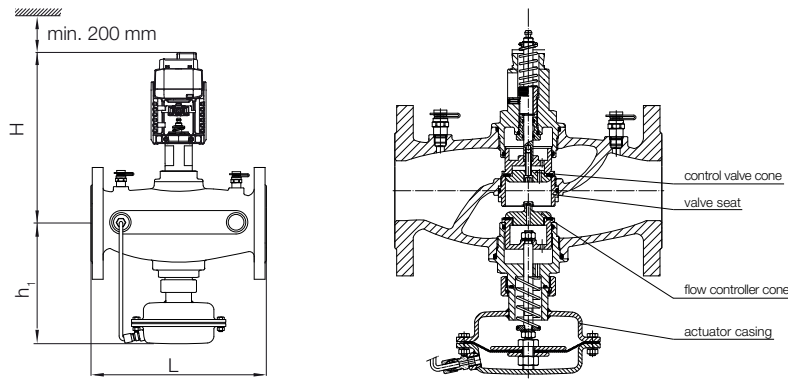


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Order number	DN	Stroke [mm]	Min. flowrate @ 40% [m³/h]	Max. flowrate @ 100% [m³/h]	Min. dp [kPa]	H [mm]	h ₁ [mm]	L [mm]
F 4006 62	50	15	3.75	15	40	295	210	230
F 4006 63	65	15	5.00	20	40	295	210	290
F 4006 64	80	20	9.00	36	40	332	230	310
F 4006 65	100	20	10.75	43	40	332	232	350
F 4006 66	125	40	25.00	100	40	520	410	400
F 4006 56	125 HF	40	37.50	150	70	480	480	400
F 4006 67	150	40	36.25	145	40	520	380	480
F 4006 57	150 HF	40	50.00	200	70	520	380	480
F 4006 68	200	40	50.00	200	40	558	560	600

Technical data

Nominal pressure	PN 16	Valve body material	EN-GJL-250
Differential pressure max.	4 bar	Gasket material	EPDM
Min. operating temp.	2°C (pure water)	Cones, stem, seat material	CW617N-R320-S, WN1.4305, WN1.4305
Min. operating temp.	-20°C (frost protection)	Impulse tube	WN1.4301
Max. operating temp.	110°C	Diaphragm material	EPDM
Valve characteristics	linear		
Connection	Flange (EN 1092-2)		

Water purity in accordance with the ÖNORM H 5195 and VDI 2035 standards.
Ethylene and propylene glycol can be mixed with water to a ratio of 25 - 50 vol. [%].

Description

The combi valve is used predominantly in heating and air-conditioning systems. The regulator automatically restricts the volume flow in selected parts of the installation to the preset value by measuring and controlling all fluctuations in pressure. As such, no measurement is required and control is effective under all operating conditions.

The combi valves are activated by three types of actuators. Actuators F 7712 90, F 7712 95 or F 7712 81 are available suited to dimensions DN50 to DN65. Actuators F 7712 91, F 7712 96 or F 7712 82 can be

used for DN 80 to DN 100 and actuators F 7712 92, F 7712 98 or F 7712 84 can be used for DN 125 to DN 200. Actuators are controlled by a microprocessor. Flow rate is restricted and controlled with the diaphragm spindle and the integrated control valve. The valve is preset by activating the setting collar. Depending on the setting, this either increases or lowers the maximum flow rate through the valve. The target value for restricting the flow rate through the valve can be set by using the selection curve. The valve is linear in nature, ideal for using in cooling systems.

Installation

Installation in the return flow is recommended. The actuator should be assembled in an upright position, ±45° to the vertical pipe axis. In accordance with the intended purpose of the fitting, accurate workmanship is required. The introduction of contaminants can be avoided by means of a HERZ strainer (4111), and installation is recommended by HERZ. Local and international specifications and standards must be observed for installation.