

Pressure Control Valves

Pressure Reducing Valves DM 668E

Pressure Regulating Hydrant Valve for Sea Water



Technical Data

Connection DN	40
Nominal Pressure PN	20/10
Inlet Pressure	9 - 20 bar
Outlet Pressure adjustable	6 - 8.5 bar
K _{vs} -Value	14 m ³ /h
Temperature	50 °C
Medium	liquids

Description

Self-acting pressure reducers are simple control valves offering accurate control while being easy to install and maintain. They control the pressure downstream of the valve without requiring pneumatic or electrical control elements.

The pressure reducing valve DM 668E is a diaphragm-controlled, spring-loaded proportional valve for medium flow rates. The valve has been made of deep-drawn titanium grade 2 with excellent corrosion resistance. The pipe-shaped inlet connection of the casing has been provided with the seat bore. The soft seal cone is guided in the seat part and is connected with the regulating diaphragm. The valve can be manually shut off by means of the hand wheel.

The spring module comprising spring cap, spring, adjusting screw, diaphragm and internal components, is connected to the valve body only by means of a clamp ring and two bolts. Changing the diaphragm or the complete spring assembly for a different control pressure range is extremely simple and does not call for special tools. The same applies to servicing and maintenance.

Standard

- » Medium wetted parts made of Titanium
- » Spring cap made of CrNiMo-steel
- » Quick-release body clamp ring
- » Non rising adjusting screw

Options

- » A variety of connections with fire hose couplings typical for the country in question
- » Special versions on request

Operating instructions, know how and safety instructions must be observed. All the pressure has always been indicated as overpressure. We reserve the right to alter technical specifications without notice.



K_{vs} values [m³/h]

14

Setting Ranges [bar]

6 - 8.5

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Materials- Main Valve

Temperature	50 °C
Body	Titanium Grade 2
Spring Cap	CrNiMo-steel
Inner Parts	Titanium
Set Screw	CrNiMo-steel
Spring	CrNi-steel
Valve Seal	EPDM
Diaphragm	EPDM
Profile Clamp	CrNiMo-steel

Dimensions

size	G 2 1/2	incl. Storz
A*	272	302
B	142	142
C	244	244
D	157	157
E	160	160

* Overall length tolerances in acc. with DIN EN 558

Weights [kg]

size	G 2 1/2	incl. Storz
	8.9	10

Customs Tariff Number

84811019

Special designs on request.

The pressure has always been indicated as overpressure.

Mankenberg reserves the right to alter or improve the designs or specifications of the products described herein without notice.

Dimensional Drawing

