

Benefits – Pressure reducing valve DM 505

The diagram shows a cross-section of a pressure reducing valve. It features an inlet on the left (3) and an outlet on the right (7). A central piston (5) is held in place by a spring (6). An adjusting screw (8) is used to set the pressure. Various connection options are shown, including aseptic flanges (a), clamp connections (b), and welding ends (c). The valve body is made of stainless steel (1) and has a soft or hard seal (2). The inlet pressure can be up to 250 bar (3). The valve is part of the Mankenberg clamp system (4) for easy maintenance. The body has an excellent surface quality (5) for easy cleaning. Many control modules are available (6), providing very precise control in millibar ranges. The valve offers various connection alternatives (7) and is suitable for flammable and hazardous media (c).

Stainless steel (1.4404 / 316L), deep-drawn, corrosion-resistant, lightweight and compact
Long operational lifespan, manageable installation, low delta-ferrite content possible

1

Soft or hard seal
Also usable for abrasive media

2

Inlet pressure up to 250 bar

3

Mankenberg clamp system
Easy maintenance

4

Body with excellent surface quality
Easy to clean

5

Many control modules available
Very precise control, also in millibar ranges

6

Various connection alternatives: aseptic flanges, clamp connections, DIN or ANSI flanges, welding ends ...
No adapters or fitting pieces necessary

7

EASY-CHECK – non-rising adjusting screw
Function externally visible, easy and accurate to adjust the set pressure, non-varying installation height

8

Optionen

Manometer connection a

Electro-pneumatic control b

Leakage line connection and adjusting screw seal
Suitable for flammable and hazardous media c

Inlet pressure

Outlet pressure

Vorteile – Druckminderer DM 505

Edelstahl (1.4404 / 316L)
tiefgezogen, korrosions-
beständig, leicht und kompakt

Lange Lebensdauer,
handliche Montage, geringer
Delta-Ferrit Gehalt möglich

1

Weich- oder hartdichtend

Auch für schleißende
Medien einsetzbar

2

Eingangsdruck bis 250 bar

3

Mankenberg-Schellensystem

Einfache Wartung

4

Hervorragende
Standardoberflächengüte

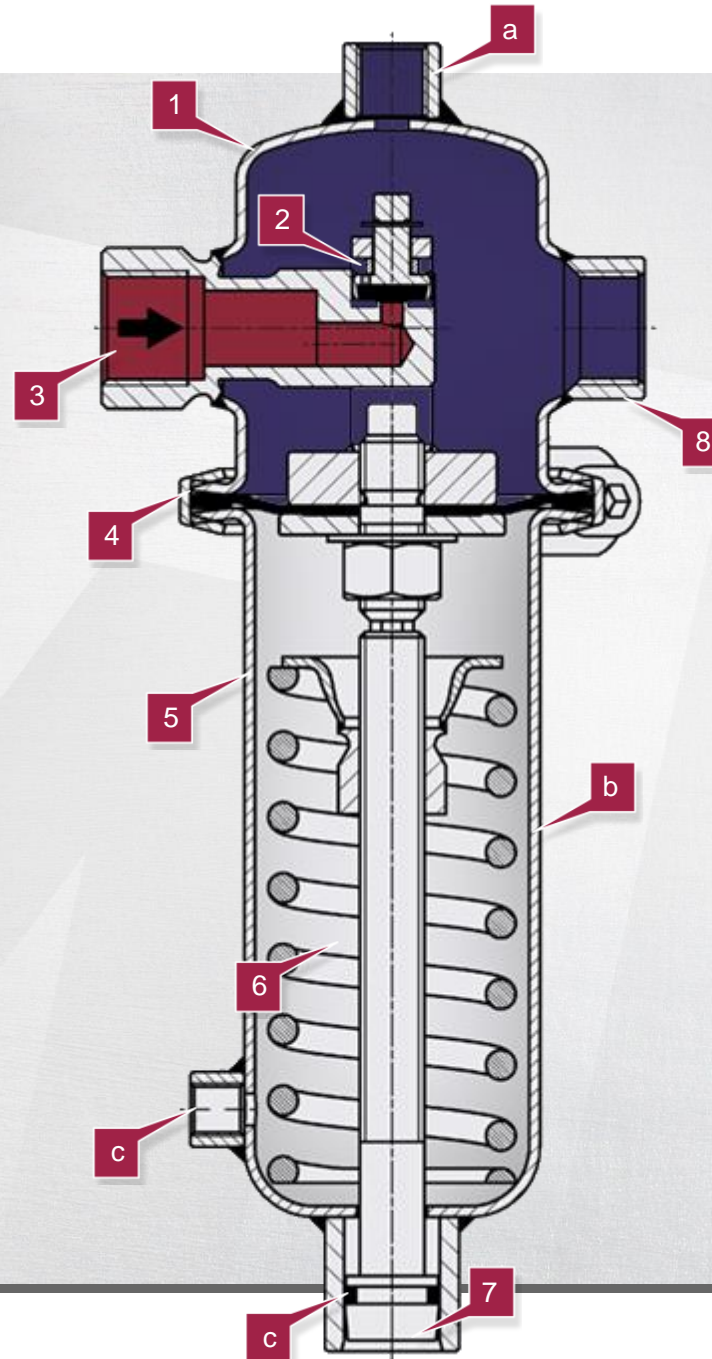
Leicht zu reinigen

5

Viele Steuermodule lieferbar

Genaueste Regelung,
auch Millibarbereiche

6



EASY-CHECK –
Nicht steigende Stellschraube

Funktion von außen sichtbar,
einfache und genaue
Sollwerteinstellung,
unveränderte Bauhöhe

7

Vielfältige Anschlussmöglich-
keiten: Aseptikflansche,
Klemmverbindungen, DIN-
oder ANSI-Flansche,
Anschweißenden ...

Keine Adapter oder Pass-
stücke nötig

8

Optionen

Manometeranschluss

a

Elektro-pneumatische
Ansteuerung

b

Leckleitungsanschluss und
Stellschraubenabdichtung
BGV konform einsetzbar für
brennbare und gefährliche
Medien

c

Vordruck

Hinterdruck