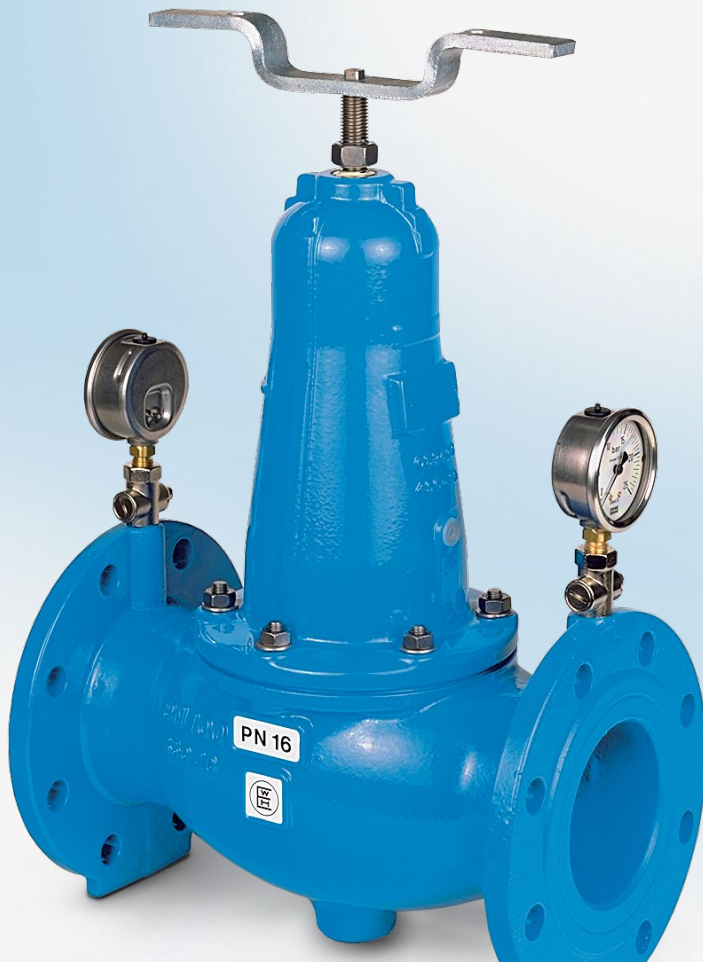


ERHARD is a company of



Data sheet ERHARD DVF pressure reducing valve



ERHARD DVF Druckreduzierventil

The directly controlled pressure reducing valve

Pressure reducing valves such as the ERHARD DVF pressure reducing valve transform a higher, fluctuating inlet pressure into a lower, constant downstream pressure. The desired downstream pressure value is set by pretensioning the spring. There are two types of springs available for the ERHARD DVF pressure reducing valve: spring A (blue) for a pressure range of 1.5 to 6 bar and spring B (red) for a pressure ranging between 5 and 12 bar. When the downstream pressure drops below the preset value, the valve will open and when it exceeds the value, it will shut again.

Thanks to its robust design, the ERHARD DVF pressure reducing valve ensures safe operation:

- The guide piston is located outside of the medium and the result is no formation of deposits or risk of seizing.
- Stable rolling diaphragm ensures frictionless functioning
- High maintainability with from above accessible inner parts
- Two integrated pressure gauges with check valves guarantee high operating convenience
- Control of operating medium, no external energie required



Operating instruction

BA60E250_DVF_DIREKTGEST
_DN50-200

Materials and dimensions

ERHARD DVF pressure reducing valves PN 10/16/25

directly controlled, spheroidal cast iron

Area of application: Water max. 70° C

Nominal size DN	Pressure rating ¹⁾ PN	Max. allow. gauge working pressure = max. upstream pressure bar	Hydrostatic test pressure (bar)	
			Spring A bar	Spring B bar
200	10	10	1,5 - 6	-
200	10	10	-	5 - 9
50 - 200	16	16	1,5 - 6	-
50 - 200	16	16	-	5 - 12
50 - 150	25	25	1,5 - 6	-
50 - 150	25	25	-	5 - 12

1) Special version in PN 40 for DN 50, 65, 80 on request.

When ordering, please specify min. and max. volume flow rate, max. upstream pressure and the required downstream pressure range.

Flange B, DG, Type 21, ISO 7005-2, PN 10/16/25.

Materials and equipment

Corrosion protection	Fusion bonded epoxy (FBE) coating in blue
Body and bonnet	Spheroidal cast iron EN-JS1040 (ISO 450-10) ²⁾
Plug	Lamellar cast iron EN-JL1040 ³⁾
Body seat and guide	Alu-Bronze
Sealing ring	Polyurethane
Setting screw and guide rod	Stainless steel
Spring A (blue) B (red)	Spring steel, varnished downstream pressure range: 1,5 - 6 bar downstream pressure range: 5-12 bar
Rolling diaphragm	Neoprene with fabric ply
Pressure gauges with isolating valves	On the upstream and downstream side
Mounting lever	Included in the scope of supply

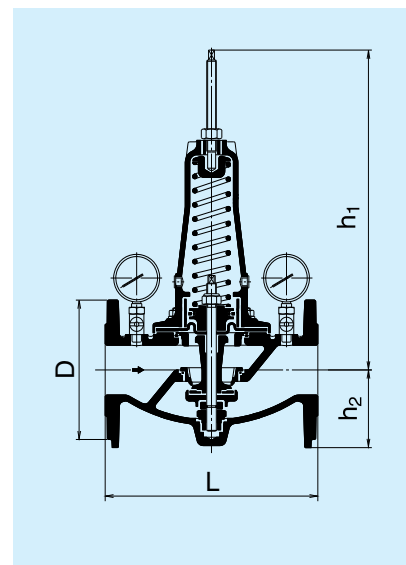
Dimensions

Nominal size DN	face-to-face dim. L mm	Flange-Ø		h1 mm	h2 mm	Weight kg	Packing mass l x b x h mm
		PN 10/16 D mm	PN 25 D mm				
50	230	165	165	430	90	19	500 x 400 x 300
65	290	185	185	420	100	25	500 x 400 x 300
80	310	200	200	450	115	29	600 x 400 x 300
100	350	220	235	450	115	32	600 x 400 x 300
125	400	250	270	550	145	61	800 x 500 x 400
150	480	285	300	550	145	66	800 x 500 x 400
200	600	340	- ⁴⁾	605	190	117	800 x 500 x 400

2) The casting material 450-10 ISO 1083 has similar characteristics like GGG-50 to DIN 1693

3) Corresponds to the DIN designation 0.6125 (GG-25)

4) DN 200 PN 25 not available



Your Choice in Waterflow Control



TALIS is always the number one choice whenever water transport or control is required. TALIS has the best solution for water and energy management, as well as for industry and municipal applications. With a varied range of products we offer comprehensive solutions for the entire water cycle. From hydrants to butterfly valves. From the knife-gate valves to the needle valves. Our experience, innovative technology, global expertise and individual consultation process form the basis for developing sustainable solutions for the efficient handling of the vital resource "water".



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