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Pressure regulator made of ductile cast iron Type PR125

Design type	Diaphragm-operated flanged pressure regulator, Inside and outside powder-coated
Connection	Flanges DN50...DN125 according to EN1092 PN16 or rather PN25
Materials	Housing and Spring cap Ductile cast iron, Coating Polyamide; Valve insert Stainless steel, Diaphragm and Seals EPDM, Screws and Nuts Stainless steel
Function	Secondary pressure regulation
Mounting type	Installation in rigid piping system
Mounting position	any
Application range	Drinking water or rather gaseous and liquid media that do not attack the materials used
Medium temperature	5...65°C (DVGW 30°C)
Ambient temperature	5...65°C
Operating pressure	see table
Control range	see table
Flow direction	is marked by an arrow
Scope of delivery	incl. Glycerin pressure gauge for inlet and outlet pressure
Approvals	DVGW Drinking water approval (Medium temperature 5...30°C), ACS approval, UBA Declaration of Conformity Hygiene

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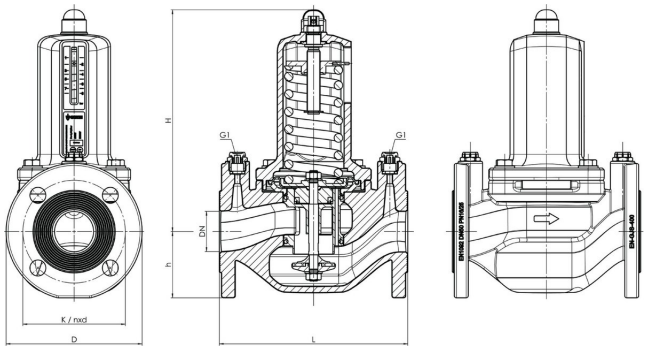
Dimensions



Control range 1,5...7bar

Nominal size DN[mm]	Flange	max. inlet pressure [bar]	L	H	h	D	K / nxd	G1	Kvs value [m³/h]	Weight [approx. kg]	Type
50	PN16	16	230	270	83	165	125 / 4x19	1/4	24	18	PR125-50-1.5/7-MG
50	PN25	25	230	270	83	165	125 / 4x19	1/4	24	18	PR125-5025-1.5/7-MG
65	PN16	16	290	260	93	185	145 / 4x19	1/4	26	19	PR125-65-1.5/7-MG
65	PN25	25	290	260	93	185	145 / 8x19	1/4	26	19	PR125-6525-1.5/7-MG
80	PN16	16	310	285	100	200	160 / 8x19	1/4	42	24	PR125-80-1.5/7-MG
80	PN25	25	310	285	100	200	160 / 8x19	1/4	42	24	PR125-8025-1.5/7-MG
100	PN16	16	350	275	110	220	180 / 8x19	1/4	57	27	PR125-100-1.5/7-MG
100	PN25	25	350	275	113	235	190 / 8x23	1/4	57	28	PR125-10025-1.5/7-MG
125	PN16	16	400	275	120	250	210 / 8x19	1/4	63	32	PR125-125-1.5/7-MG
125	PN25	25	400	275	130	270	220 / 8x28	1/4	63	33	PR125-12525-1.5/7-MG

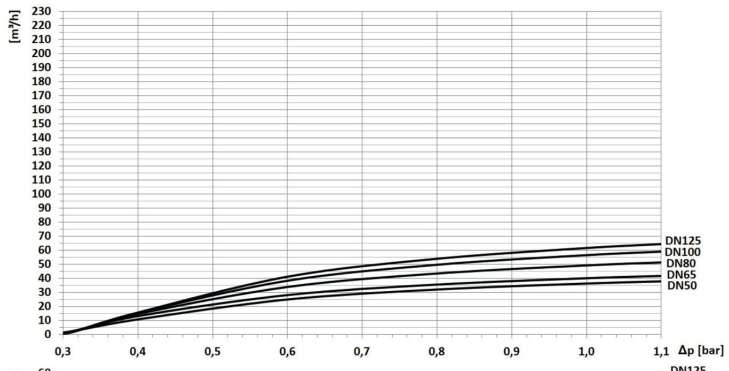
Control range 0,5...3bar

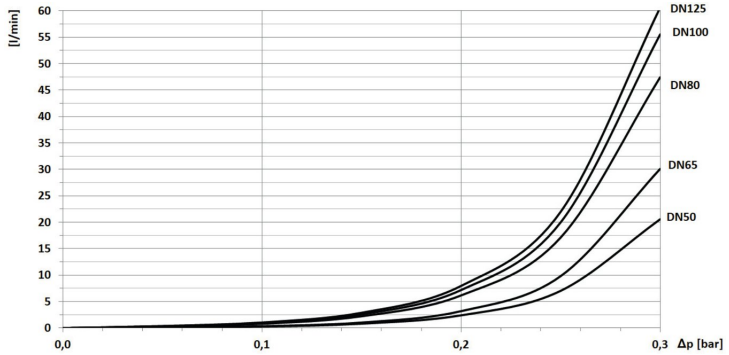
Nominal size DN[mm]	Flange	max. Inlet pressure [bar]	L	H	h	D	K / nxd	G1	Kvs value [m³/h]	Weight [approx. kg]	Type
50	PN16	16	230	270	83	165	125 / 4x19	1/4	24	18	PR125-50-0.5/3-MG
65	PN16	16	290	260	93	185	145 / 4x19	1/4	26	19	PR125-65-0.5/3-MG
80	PN16	16	310	285	100	200	160 / 8x19	1/4	42	24	PR125-80-0.5/3-MG
100	PN16	16	350	275	110	220	180 / 8x19	1/4	57	27	PR125-100-0.5/3-MG
125	PN16	16	400	275	120	250	210 / 8x19	1/4	63	32	PR125-125-0.5/3-MG

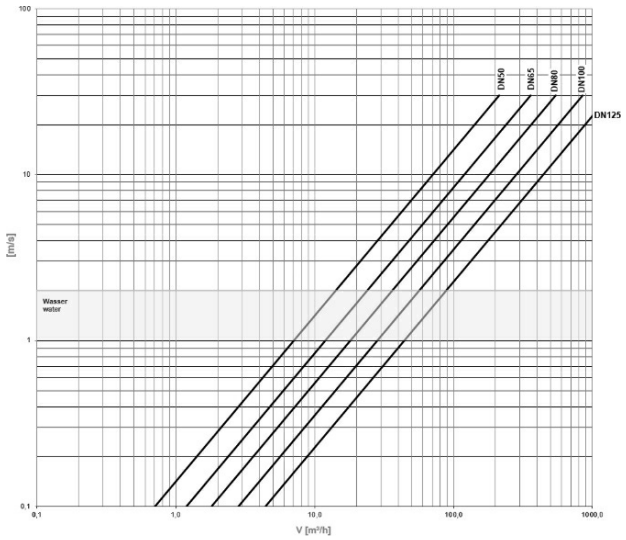
Control range 3...12bar

Nominal size DN[mm]	Flange	max. Inlet pressure [bar]	L	H	h	D	K / nxd	G1	Kvs value [m³/h]	Weight [approx. kg]	Type
50	PN16	16	230	270	83	165	125 / 4x19	1/4	24	18	PR125-50-3/12-MG
50	PN25	25	230	270	83	165	125 / 4x19	1/4	24	18	PR125-5025-3/12-MG
65	PN16	16	290	260	93	185	145 / 4x19	1/4	26	19	PR125-65-3/12-MG
65	PN25	25	290	260	93	185	145 / 8x19	1/4	26	19	PR125-6525-3/12-MG
80	PN16	16	310	285	100	200	160 / 8x19	1/4	42	24	PR125-80-3/12-MG
80	PN25	25	310	285	100	200	160 / 8x19	1/4	42	24	PR125-8025-3/12-MG
100	PN16	16	350	275	110	220	180 / 8x19	1/4	57	27	PR125-100-3/12-MG
100	PN25	25	350	275	113	235	190 / 8x23	1/4	57	28	PR125-10025-3/12-MG
125	PN16	16	400	275	120	250	210 / 8x19	1/4	63	32	PR125-125-3/12-MG
125	PN25	25	400	275	130	270	220 / 8x28	1/4	63	33	PR125-12525-3/12-MG

Flow diagrams Water







For liquids a flow velocity of 2 m/s should not be exceeded.
With compressed air, a flow velocity of 20 m/s should not be exceeded.
When using the diagram for compressed air, the flow rate V must always be entered in operating m³/h.. The conversion to operating cubic meters is carried out by dividing the standard cubic meters by the **Absolute pressure = Operating pressure + 1 [bar].**

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