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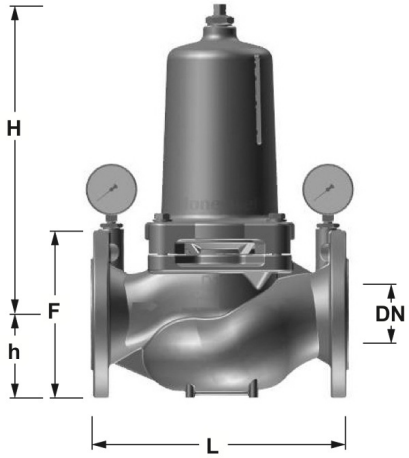
Pressure regulator made of ductile cast iron Type PR21



Design type	Diaphragm-operated flanged pressure regulator with Cartridge insert, Inside and outside powder-coated
Connection	Flanges DN50...DN100 according to EN1092 PN16
Materials	Housing and Spring cap Ductile cast iron, Cartridge insert Stainless steel, Diaphragm and Seals EPDM, U-cup seal and Sealing washer EPDM, Screws and Nuts Stainless steel
Function	Secondary pressure regulation
Mounting type	Installation in rigid piping system
Mounting position	horizontal, with spring cap upwards
Application range	Drinking water or rather gaseous and liquid media that do not attack the materials used
Medium temperature	-10...+65°C
Ambient temperature	-10...+55°C
Operating pressure	max. 16bar, Control range 0,5...2bar
Minimum pressure differential	1bar
Flow direction	is marked by an arrow
Scope of delivery	incl. Pressure gauge

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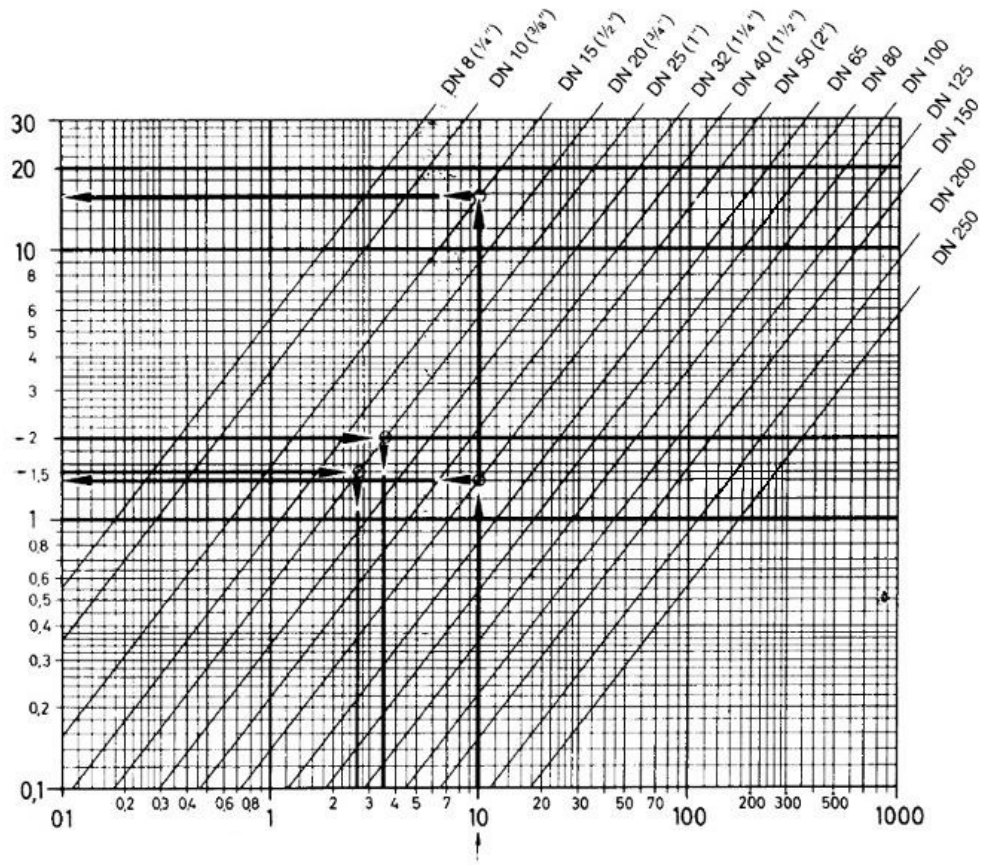
Dimensions



Nominal size DN[mm]	F	H	h	L	Wall distance*	Kvs value [m^3/h]	Weight [approx. kg]	Type
50	165	296	83	230	110	18	14,0	PR21-50-0.5/2
65	185	370	93	290	120	49	30,5	PR21-65-0.5/2
80	200	370	100	310	130	51	32,0	PR21-80-0.5/2
100	220	370	110	350	145	56	34,5	PR21-100-0.5/2
*Minimum distance Wall - center pipeline								

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Flow diagram



Vertical axis: Flow rate in m/s
Horizontal axis: Flow rate in m³/h

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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