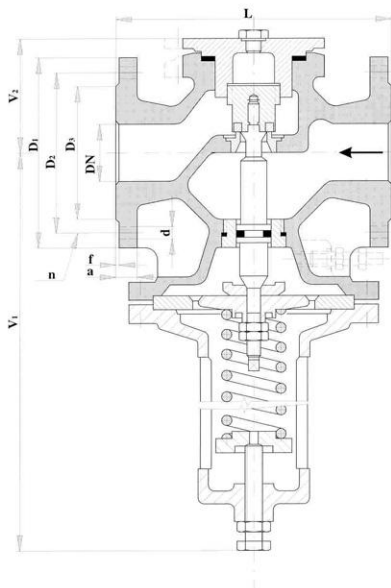


Water pressure controller

R 12 117 616

PN 16



Application

It is used as output pressure controller for water and non-aggressive liquids. It is manufactured of grey cast iron (GG25) for PN 16 and for temperatures up to +90 °C. The controller is a valve with direct regulation, which decreases the input pressure and regulates it to adjusted output pressure. The controller is made for following parameters:

- input pressure range
from 0,3 up to 1,3 Mpa
- output pressure range
from 0,3 up to 1,3 Mpa
- minimum pressure drop
0,2 Mpa

Connecting and face-to-face-dimensions

Connecting and face-to-face-dimensions as per DIN 3202 - F1.

Flange connecting dimensions and sealing surface finishing with rugged sealing bar as per DIN 2533 and DIN 2501.

Material

Casting	grey cast iron GG 25
Functional parts	stainless steel
Diaphragm	diaphragm cloth
Sealing	asbestos - free

Installation

Lower part of the controller must be in vertical position and rubber diaphragm must be under the tube axis when installing to a horizontal pipe-line. The controller must not be externally stressed from pipeline or any other devices.

$p_{max} = 1 \text{ MPa}$... max. reduced overpressure

DN	Kv	L	V ₁	V ₂	D ₁	D ₂	D ₃	a	f	d	n	kg
25	2,54	160	340	75	115	85	68	16	2	14	4	14
40	6,5	200	370	100	150	110	88	18	3	18	4	20
50	10,18	230	380	100	165	125	102	20	3	18	4	22
65	17,67	290	390	100	185	145	122	20	3	18	4	25
80	25,45	310	435	140	200	160	138	22	3	18	8	40
100	41	350	435	140	220	180	158	24	3	18	8	46