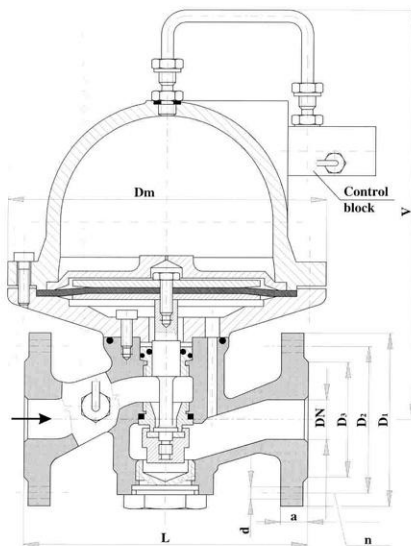


Pressure controller with tapered neck

C 26 520 540 25/10/25 PN 40



Application

It is used as a self-acting regulator, which decreases the input vapor pressure and regulates it within tolerant range to the set output pressure. The controller can be used for heating gas as per ČSN 385502, air and other non-aggressive gases. Operation temperature range is from -10°C up to 70°C (in consideration of rubber parts). When the consumption of the gas drops, the pressure increases. Diaphragm moves upward when the pressure is increased. Plug decreases seat cross sectional area of flow and therefore the pressure decreases. Pressure level resettles on the adjusted level. When the consumption of the gas increases, the pressure drops. Diaphragm responds by moving downward. Plug increases seat cross sectional area of flow and therefore the pressure increases. Pressure level resettles on the adjusted level.

Connecting and face-to-face dimensions

Connecting and face-to-face dimensions are given in table below.

Material

Body, controller-cover, diaphragm bonnet, bonnet	cast steel
Plug, bushing	brass
Threaded connection	anticorrosive
Disk	carbon steel
Sealing rings	synthetic rubber
Diaphragm	saturated synthetic rubber

Installation

The controller is installed to horizontal pipeline only. Vertical controller axis must be perpendicular to horizontal surface, which passes through longitudinal controller axis.

Overpressure [MPa]				
input		output		min. difference
max.	min.	max.	min.	
4	0,08	2,5	0,05	0,03

DN	L	V	D ₁	D ₂	D ₃	D _m	a	d	n	kg
25	160	300	115	85	68	182	18	14	4	17