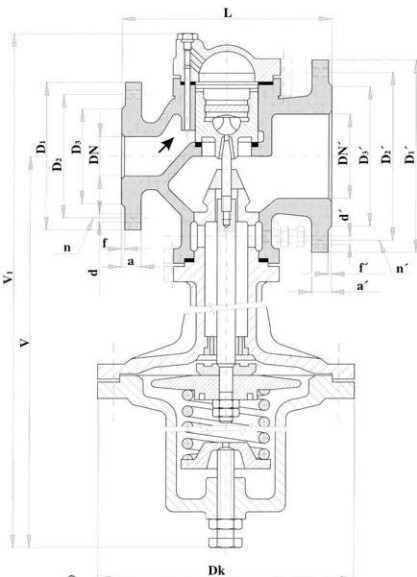


# Steam pressure controller

R 23 117 525

PN 25



## Application

It is used as output pressure controller, which decreases input steam pressure and automatically regulates it to adjusted output pressure. Maximum output overpressure depends on temperature as per ČSN 130010 (refer from the table).

Temperature [°C]	Pressure [MPa]
200	2,15
300	1,93
350	1,79
400	1,47

## Connecting and face-to-face dimensions

Connecting and face-to-face-dimensions as per ČSN 133042.

Flange connecting dimensions and sealing surface finishing with rugged sealing bar as per ČSN 131060 and ČSN 131061.

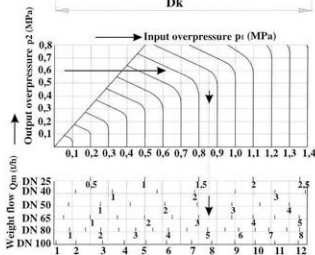
## Material

Casting	grey cast iron GG 25
Functional parts	stainless steel
Membrane	mechanical rubber goods
Sealing	azbestos - free

## Installation

Controller adapter must be in vertical position and rubber membrane must be at the bottom, when installing to horizontal pipe-line.

Fluid must input the valve in the direction of the arrow on the body. Pipe-line to which the controller is installed must not transmit any additional stress to the controller. Valve leakage (when closed) is 0,1% Kv max.. Minimum flow rate is 5% Kv. The lower part of the controller must be primed with water (for membrane protection) before putting into service.



$P_{max}$  = max. reduced overpressure (MPa)

DN/DN'	L	V	V <sub>1</sub>	D <sub>K</sub>	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	a	f	d	n	D <sub>1</sub> '	D <sub>2</sub> '	D <sub>3</sub> '	a'	f'	d'	n'	p <sub>max</sub>	Kv	kg
25/50	160	615	715	215	115	85	68	18	3	14	4	165	125	102	20	3	18	4	0,8	15	25
50/100	230	735	860	260	165	125	102	20	3	18	4	235	190	158	24	3	22	8	0,6	26	48
80/150	310	915	1075	335	200	160	133	24	3	18	8	300	250	212	28	3	26	8	0,4	55	90