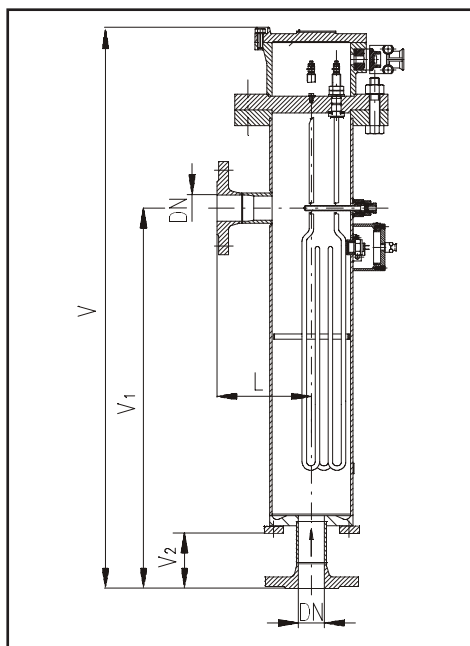


ELECTRIC GAS PREHEATER



USE

A gas preheater with an electric heating is an equipment intended for the heating of a gaseous working fluid, especially for the operation of gas regulating stations. Its suitable for natural gas and all noncorrosive gaseous media. If the preheater is a part of the gas regulating station, it is necessary to follow "Regulations for an operation and maintenance of regulating stations".

TYPES / DN / PN / TEMPERATURE RANGES

C26 629 416	DN 80, 150	PN 16 or ANSI 150	to +70 °C.
C26 629 440	DN 50	PN 40 or ANSI 300	to +70 °C.

CONNECTION

Connecting dimensions correspond to DIN or ANSI

MATERIAL

	C26 629 416, 440		
	DIN	ASTM	ČSN
Valve shell, socket pipes	St 45.8	Gr.B	12 022
Flanges, bottom, cover	H II	Gr.A	11 416
Sealing	NITRIL RUBBER		

TECHNICAL DESCRIPTION

The preheater consists of a pipe body with flange branches for an entry and outlet of a substance heated. Two heating bodies are hung in an upper cover with an inlet. A supply cable is led through the inlet of the X2GT type. On the body there is from a side located a welded-on piece that a stainless sump for the sensing unit PT100. The sensing unit is connected to the control electric regulation continuously regulating the outlet temperature of the gas from the electric preheater. On the body it is further attached an irreversible thermal fuse set to the temperature 72 °C. A thermostat with a breaking temperature 30 °C is located in the cover together with the thermal fuse. In the case of a control with the regulator CRYTERM that is delivered by the SČA a.s. Ústí nad Labem, it is used the thermostat with the breaking temperature 60 °C. The cover of the interconnected space of preheater heating rods and the cover of the non-reversible thermal fuse and the thermostat has the execution of a strong lock with a covering IP 64. The covering of the sensing unit PT100 in the sump is in the execution IP 67.

INSTALLATION

The preheater is mounted in a vertical position with the cover above located. The entry of the working fluid into the preheater is designated on the body by an arrow. This preheater is in an angle execution. An inlet piping must be before an installation perfectly freed from all the mechanical impurities. The connection of heating bodies, of the sensing unit PT100 and even of a thermal fuse can be carried out only by a professionally trained worker. Before connecting of the preheater on to the net it is necessary to check that during a transportation or a storage did not come to the damage of electric parts. For securing of a safe operation it is necessary to pay an enhanced attention to a checking and a maintenance, especially to the components that form a solid explosion-proof enclosure or a IP protection, including of cable inlets.

DIMENSION TABLE

PN	DN	L	V	V ₁	V ₂	kW	kg
16	80	180	1070	725	100	6	67,0
	150	300	1520	1100	140	18	175,0
40	50	180	1070	725	100	6	62,0

Note: The dimensions of connecting flanges - see pages 43, 44.