



Pipe Gas Expander

Pipe gas expanders are designed to purify gas from dropping liquid and mechanical impurities, to trap liquid plugs formed in gas pipelines. They are part of the flare facilities of oil treatment plants and other surface facilities of oil and gas producing enterprises.



Characteristics

Part of the equipment

Pipe gas expanders are equipped with internal devices for trapping liquid plugs in the gas pipeline and stop valves.

Below is the product range and technical characteristics of the manufactured pipe gas expanders.

An example of a record when ordering products:

Gas pipe expander, where:

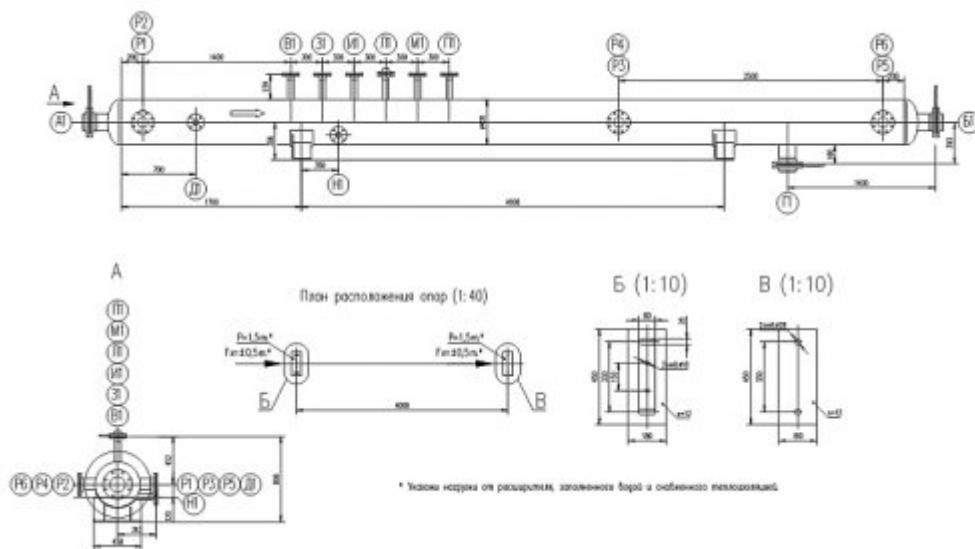
400 - conditional case diameter, mm;

HL1 - climatic version.

Technical details

Options	Dimensions					
	TGE-400	TGE-500	TGE-600	TGE-800	TGE-1000	TGE-1400
Gas consumption (at a pressure of 0.05 MPa g), thousand Nm3/day	60	110	175	250	455	710
Expander body diameter, Dv, mm	400	500	600	800	1000	1400
Inlet/outlet pipe diameter, mm	150	200	250	300	400	500
Expander length, L, mm	6000, 8000			8000		
Estimated temperature of the body wall, ?C	up to +150					
Design pressure, MPa	0,6; 1,0; 1,6; 2,5; 4,0					

Pipe gas expander TGE-400HL1



Explication fittings							
Designation	Purpose	Device code					
		GTE-400	GTE-500	GTE-600	GTE-800	GTE-1000	GTE-1400
		Conditional passage, mm					
A1	Gas inlet	150	200	250	300	400	500 or more
B1	Gas outlet	150	200	250	300	400	500 or more
V1	Reserve	50					
G1	For drainage	150					
D1	For steaming	50					
Z1	For thermometer	50					
I1	For pressure gauge	50					
L;1	For purge	50					
M1	Reserve	50					

N1	Reserve	50
P1	Reserve	50
R1-P6	inspection hatch	100

