

iSystems Industries Heat Exchangers Data Sheet

Dimensions

Type	D (DN)	G (DN)	A m ²	W (DN)
AHF.100	200	50-100	3,7	40-65
AHF.150	250	80-100	7,9	65-80
AHF.200	300	80-150	11,9	80-100
AHF.250	350	100-150	16,5	80-100
AHF.300	400	150-200	21,2	100-125
AHF.400	450	150-200	29,2	100-150
AHF.500	500	150-250	37,2	125-200
AHF.600	600	200-300	50,3	150-250

*For higher capacity, consult to iSystems Industries.

How to Select

Example Solution:

Station with working conditions; Pin: 75 bar max.

Pout: 19 bar min.

Tin: 0 C min.

Tout: 15 C max.

Flow: 75,000 sm³/h natural gas.

Calculate

$$dP = 75 - 19: 56 \text{ bar}$$

Select from Table-1

$$dT_r = 20 \text{ C}$$

Calculate

$$dT_h = 20 + (15 - 0) = 35 \text{ C}$$

Select from Table-2

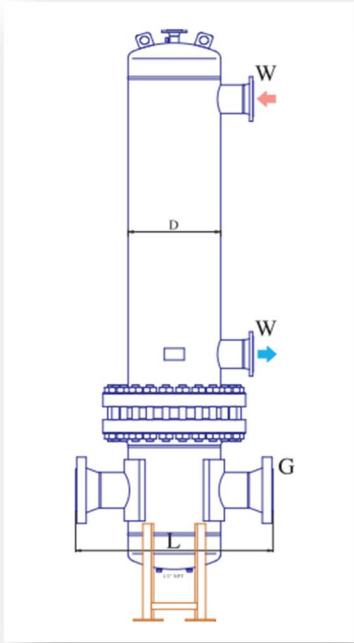
$$P = 1200 \text{ kW}$$

Select from Table-3

$$A = 35 \text{ m}^2$$

Select from Dimension Table

AHX500 model



Temperature Difference due to Pressure Reduction and Max. Inlet Pressure

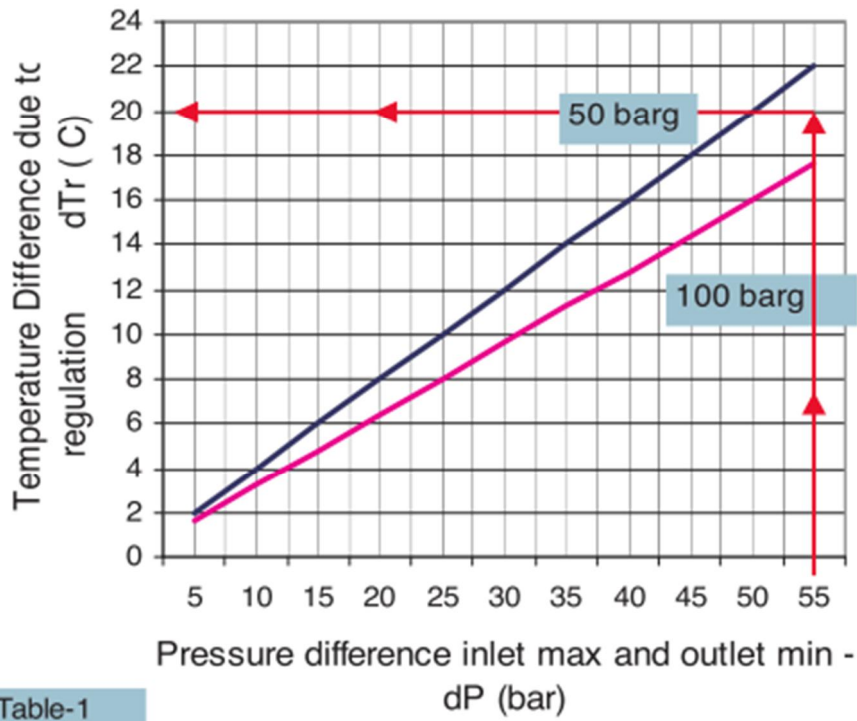


Table-1

Power Consumption due to Heater Temperature Difference and Consumption

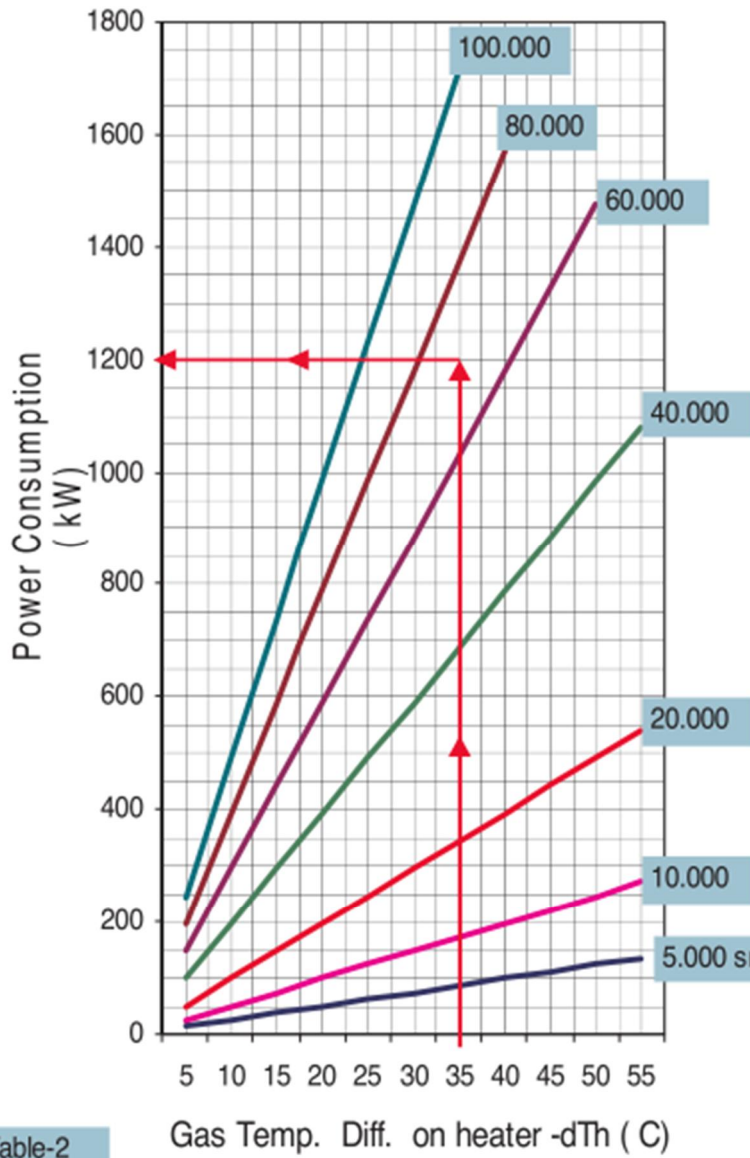


Table-2

Table is only for natural gas with 0,6 SG

