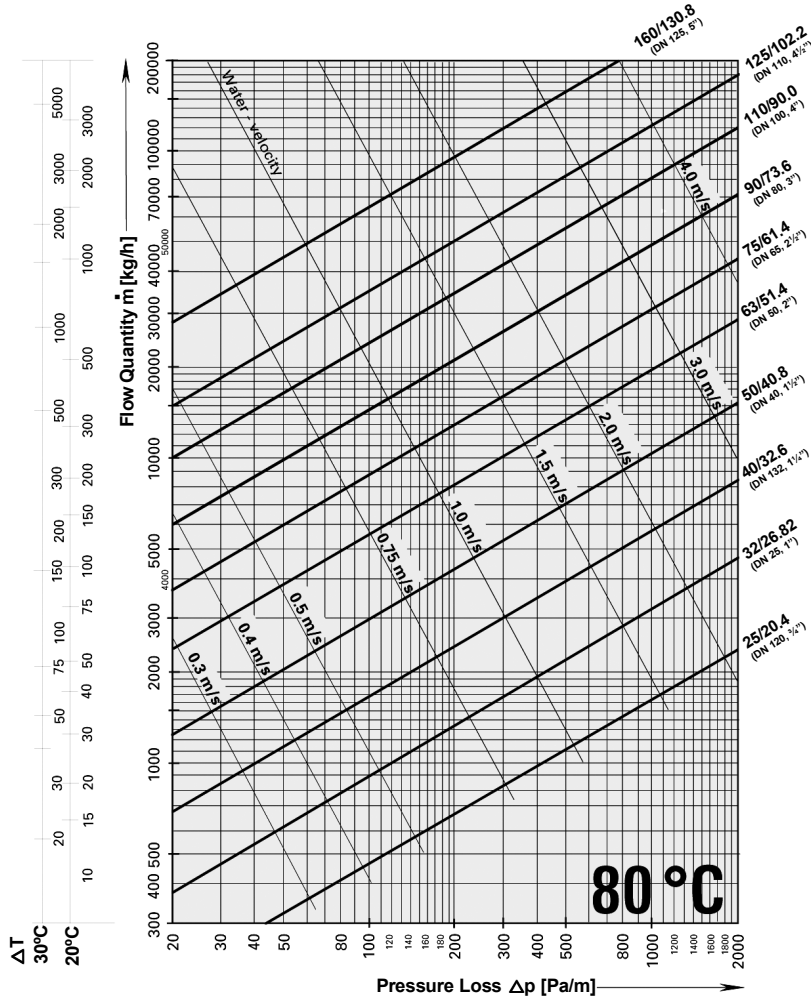


Pressure Loss & Heat Loss - CALPEX®

Pressure Loss Heating Pipe 6 bar



$$m = \frac{Q \cdot 860}{\Delta T}$$

m = Flow rate in kg/h
 Q = Power requirement in kW
 ΔT = Temperature difference, flow and return in K

Refer to CALPEX Technical Manual page CPX 1.200 for further detail.

Heat Loss Heating Pipe 6 bar

CALPEX® UNO Even lower energy losses due to improved insulation

Heat Losses q [W/m] for one UNO pipe

CALPEX® UNO	U-value [W/mK]	Average operating temperature T_E [°C]					
		40°	50°	60°	70°	80°	90°
25/ 76	0.1165	3.50	4.66	5.83	6.99	8.16	9.32
32 / 76	0.1479	4.44	5.92	7.40	8.87	10.35	11.83
40 / 91	0.1543	4.63	6.17	7.72	9.26	10.80	12.34
50 /111	0.1593	4.78	6.37	7.97	9.56	11.15	12.74
63 /126	0.1809	5.43	7.24	9.05	10.85	12.66	14.47
75 /142	0.1958	5.87	7.83	9.79	11.75	13.71	15.66
90 /162	0.2116	6.35	8.46	10.58	12.70	14.81	16.93
110 /162	0.3047	9.14	12.19	15.24	18.28	21.33	24.38
110 /182 PLUS	0.2419	7.26	9.68	12.10	14.51	16.93	19.35
125 /182	0.3132	9.40	12.53	15.66	18.79	21.92	25.06
160 /250	0.3180	9.60	12.80	15.90	19.10	22.30	25.50

Refer to CALPEX Technical Manual page CPX 1.210 for further detail.

