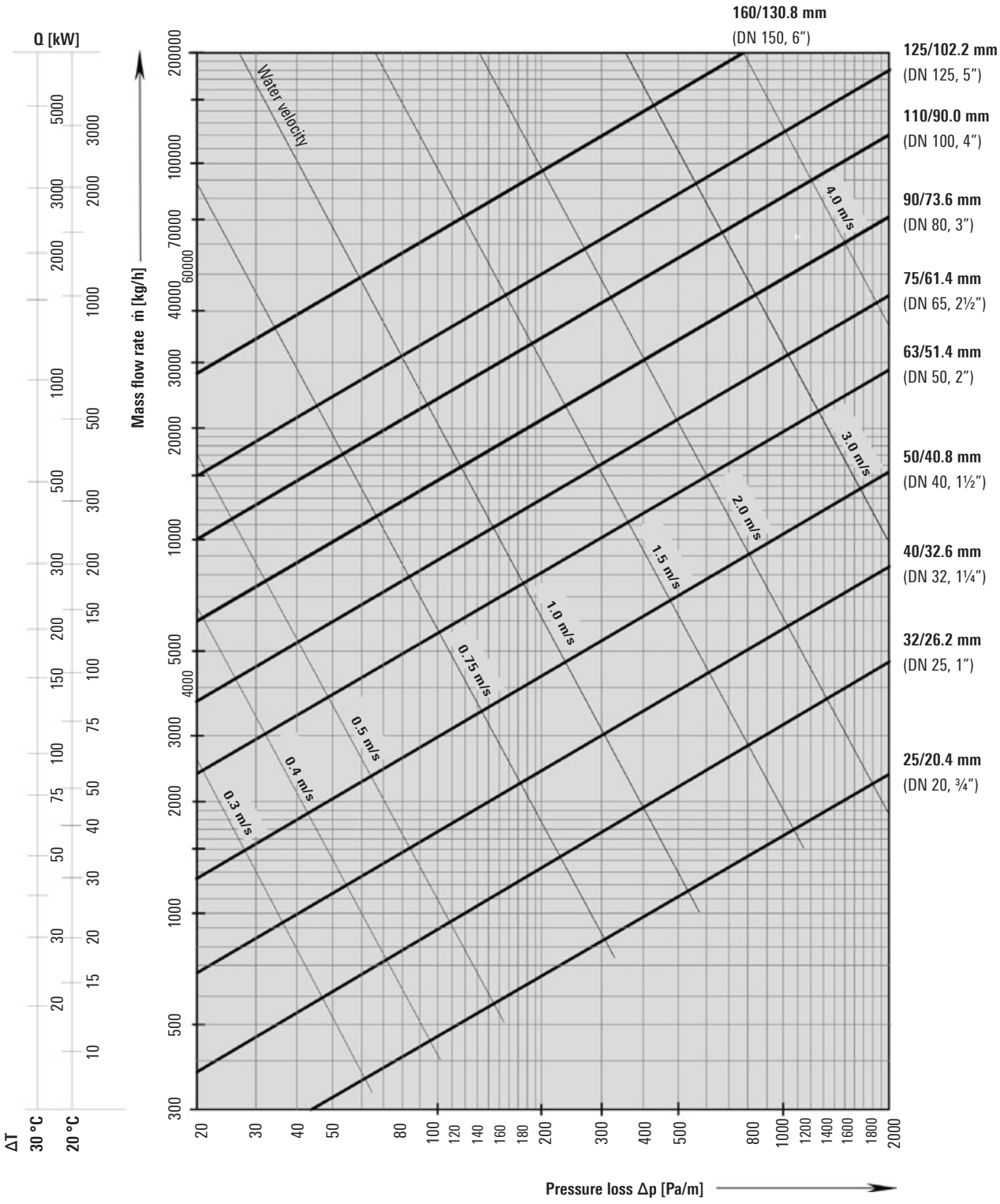
Pressure loss chart

Heating, 6 bar

Water temperature 80 °C
Surface roughness ε = 0.007 mm (PEXa)
(1 mmWS = 9.81 Pa)

$$\dot{m} \approx \frac{Q \cdot 860}{\Delta T}$$

$\dot{m}$ = Flow rate in kg/h
Q = Power requirement in kW
ΔT = Temperature difference VL (flow)/RL (return) in °C



Pressure loss chart

Sanitary, 10 bar

Water temperature 60 °C
Surface roughness ε = 0.007 mm (PEXa)
(1 mmWS = 9.81 Pa)

$$\dot{m} \approx \frac{Q \cdot 860}{\Delta T}$$

$\dot{m}$ = Flow rate in kg/h
Q = Power requirement in kW
ΔT = Temperature difference VL (flow)/RL (return) in °C