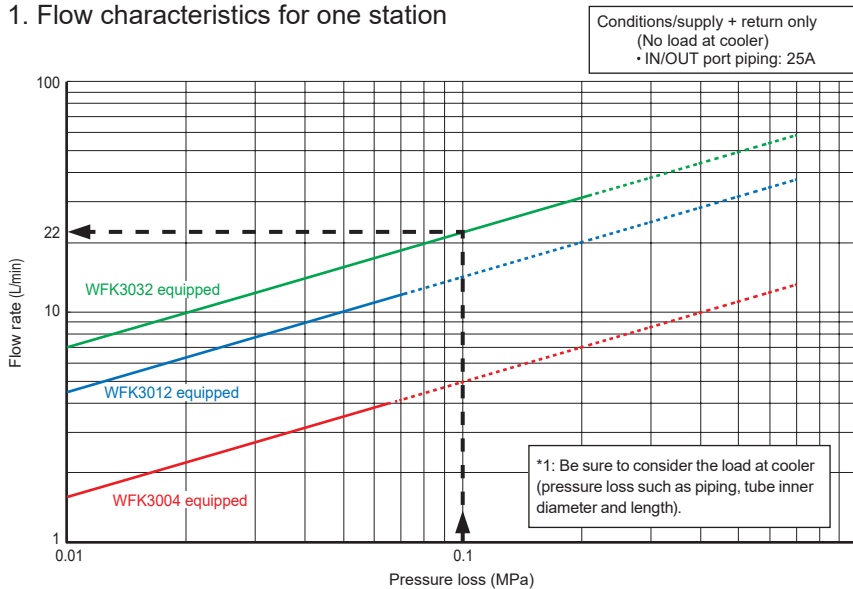


Reading the Flow Properties Table

1. Flow characteristics for one station

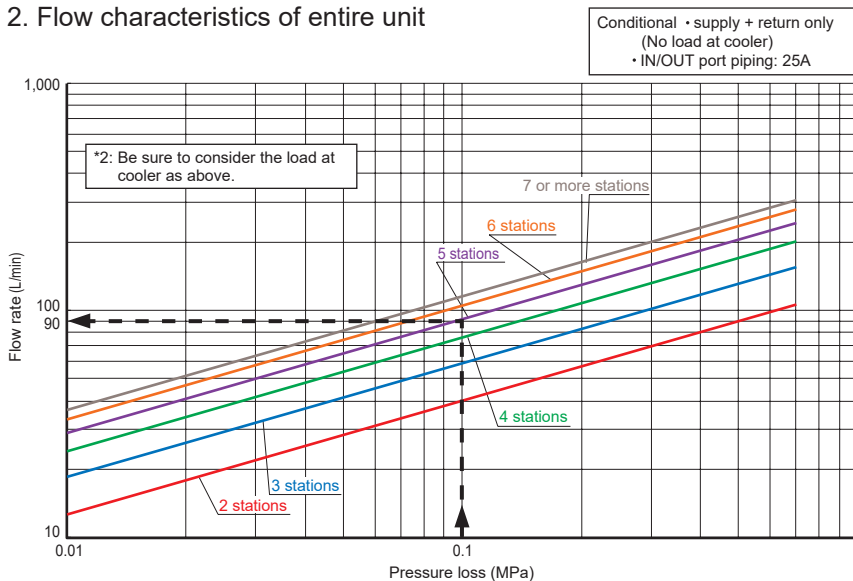


Example 1:

What is the maximum flow rate when water (specific gravity = 1) is passed through WXU-H with WFK3032 at $\Delta P = 0.15 \text{ MPa}$ ($P_1 - P_2$)?
(Load at cooler is 0.05 MPa.)

$Q = 22 \text{ L/min}$
(pressure loss: 0.1 MPa (0.15 - 0.05))

2. Flow characteristics of entire unit



Example 2:

With WXU-H type, when using 5 stations, water (specific gravity = 1) will be $\Delta P = 0.15 \text{ MPa}$
What is the maximum flow rate when flow is conducted at ($P_1 - P_2$)
(Load at cooler is 0.05 MPa.)

$Q = 90 \text{ L/min}$
(pressure loss: 0.1 MPa (0.15 - 0.05))

Flow rate calculation method

SI units

$$Q = 45.16 C_v \sqrt{\frac{P_1 - P_2}{G}}$$

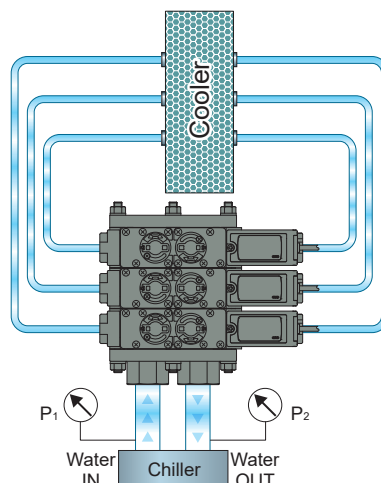
Q: Flow rate L/min

P_1 : Primary side pressure MPa

P_2 : Secondary pressure MPa

G: Specific gravity (water = 1)

C_v : Flow coefficient



Pressure Loss

ΔP

$\Delta P = P_1 - P_2$