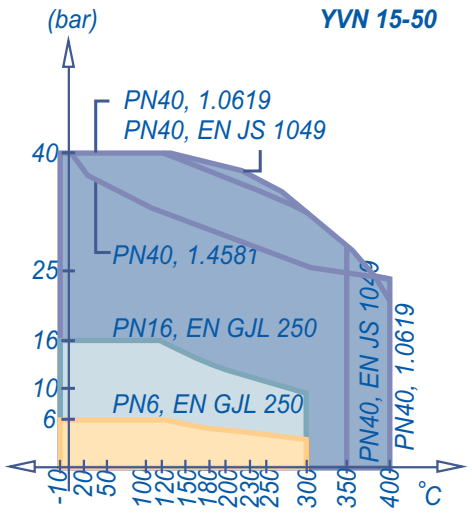
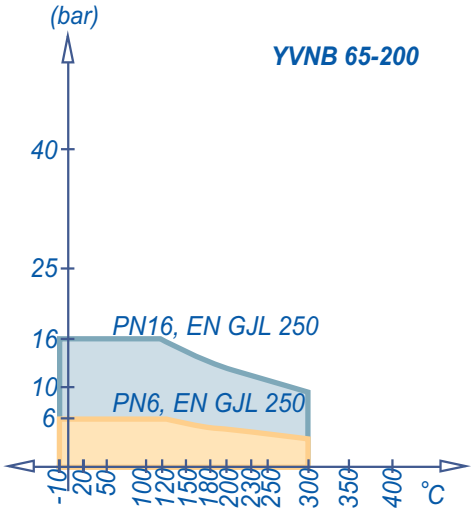
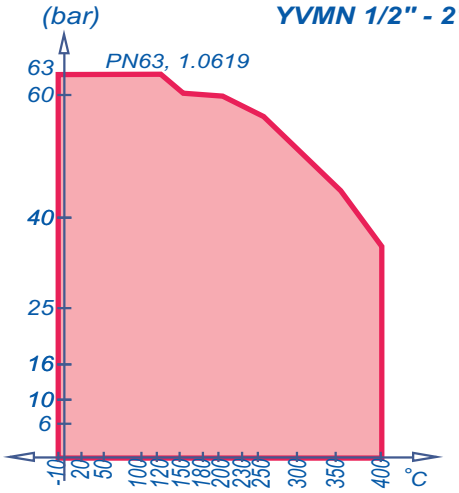
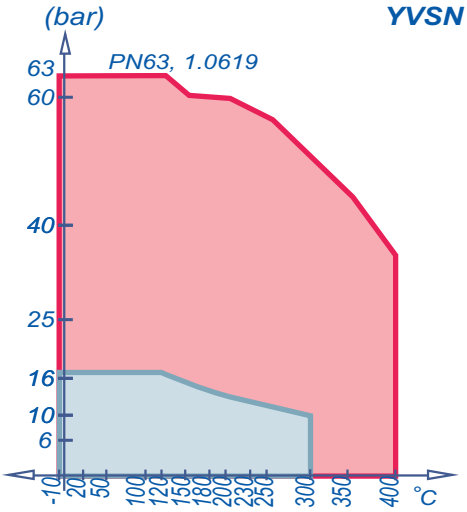
YAKACIK® VALF

Pressure / Temperature Diagrams



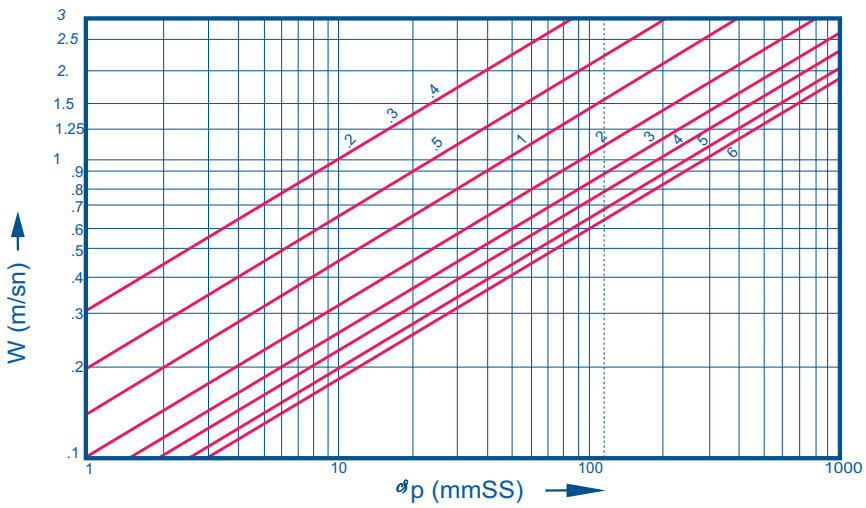






Pressure loss calculation in piston Valves

DN	℘	K_V
15	4	4,5
20	4	8
25	4	12,5
30	4	20,5
40	4	32
50	4	50
65	6	69
80	6	104
100	6	163
125	7,2	233
150	7,2	335
200	7,5	582



Pressure loss formula ℘ p= pressure loss (mmSS)

$℘ p = \xi \frac{W^2}{2g} ℘$ (mmSS)

$℘ p = \left(\frac{Q}{Kv}\right)^2 x \frac{℘}{1000}$

ξ = zeta-value
W= fluid andlocity (m/s)
2g= 20 m/s²
℘ = 1000 kg/m³
Kv= flow coefficient (m³ /h).(p=10 mWC)
flow when Pressure difference is 10 mWC
Q= flow rate (m³ /h)