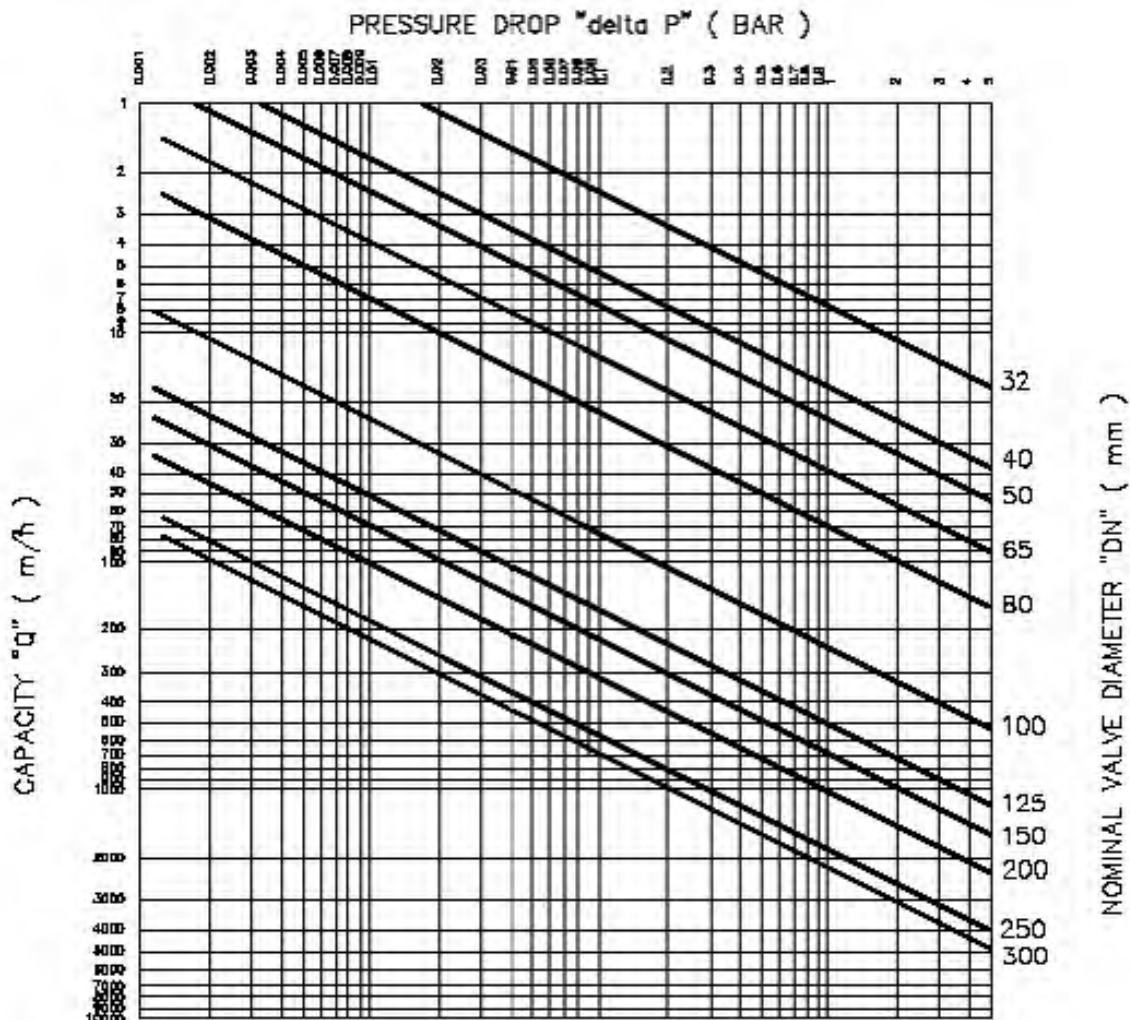


PRESSURE DROP DIAGRAM "ΔP"

TEST CONDITIONS: Water (H₂O)
 Specific weight : 1 Kg/dm³
 Temperature : 15°C



The curves shown on the diagram represent pressure drop related to water at 15°C. Pressure drop related to fluids other than water (air or gas) is obtained by calculating the equivalent water flow (Q_e) and including this new value on the diagram.
 To obtain the value of the equivalent water flow (Q_e) the following formula should be applied:

$$Q_e = \sqrt{\frac{\gamma}{1000}} \times Q$$

Q_e = Equivalent water flow in m³/h
 Q = Fluid flow (air or gas) at operating conditions in m³/h
 γ = Fluid density measured in operating conditions in Kg/m³

The pressure drops shown on the diagram and those obtained from the formula refer to valves fitted on horizontal pipelines. The valves indicated on the diagram are also applicable to valves fitted on vertical pipelines, only in case of partial valve opening. The resulting differences are unimportant.

COEFFICIENT VALUES "CV"

DN	CV	DN	CV		
32	1 ¼	8.7	200	8	1205
40	1 ½	20	250	10	2200
50	2	29.5	300	12	2560
65	2 ½	49			
80	3	78			
100	4	286			
125	5	635			
150	6	840			