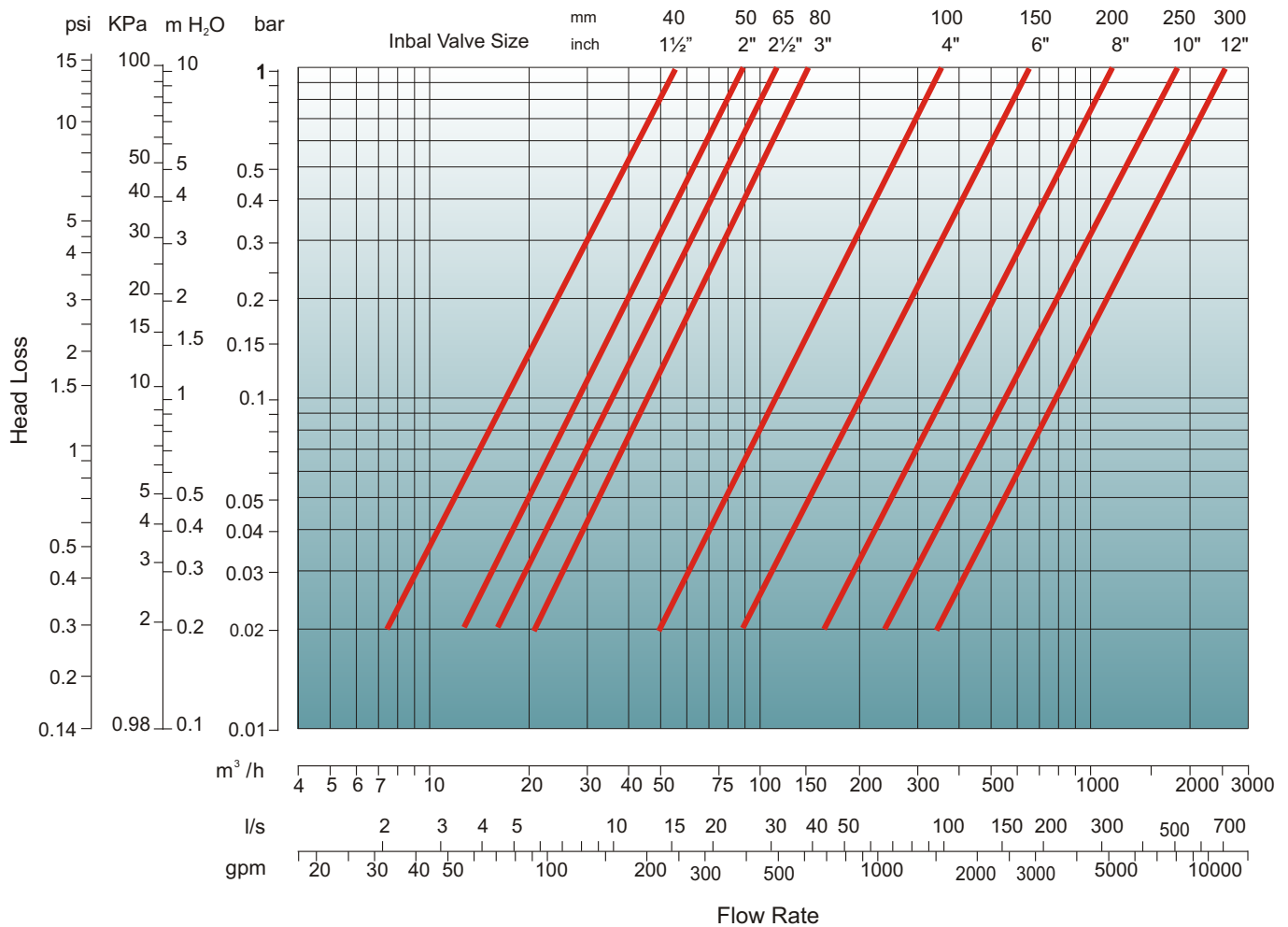


Pressure Loss



Flow Chart



Flow Factor

The Flow Factor Cv (Kv) is defined as the flow rate in gpm (m³/h) of liquid at 68°F (20°C), flowing at 1 psi (1 bar) head loss.

Valve Size		Flow Factor	
mm	inch	Kv	Cv
40	1½"	60	70
50	2"	90	105
60	2½"	115	133
80	3"	140	162
100	4"	330	383
150	6"	610	708
200	8"	1150	1334
250	10"	1630	1891
300	12"	2365	2743

To define the head loss through an **Inbal** valve at a specific flow rate use the following equation (for water only):

$$P = \left(\frac{Q}{Kv} \right)^2$$

P = Head loss
in bar.

Q = Flow rate in
m³ / h.

Kv = Flow factor.

$$P = \left(\frac{Q}{Cv} \right)^2$$

P = Head loss
in psi.

Q = Flow rate in
gpm.

Cv = Flow factor.