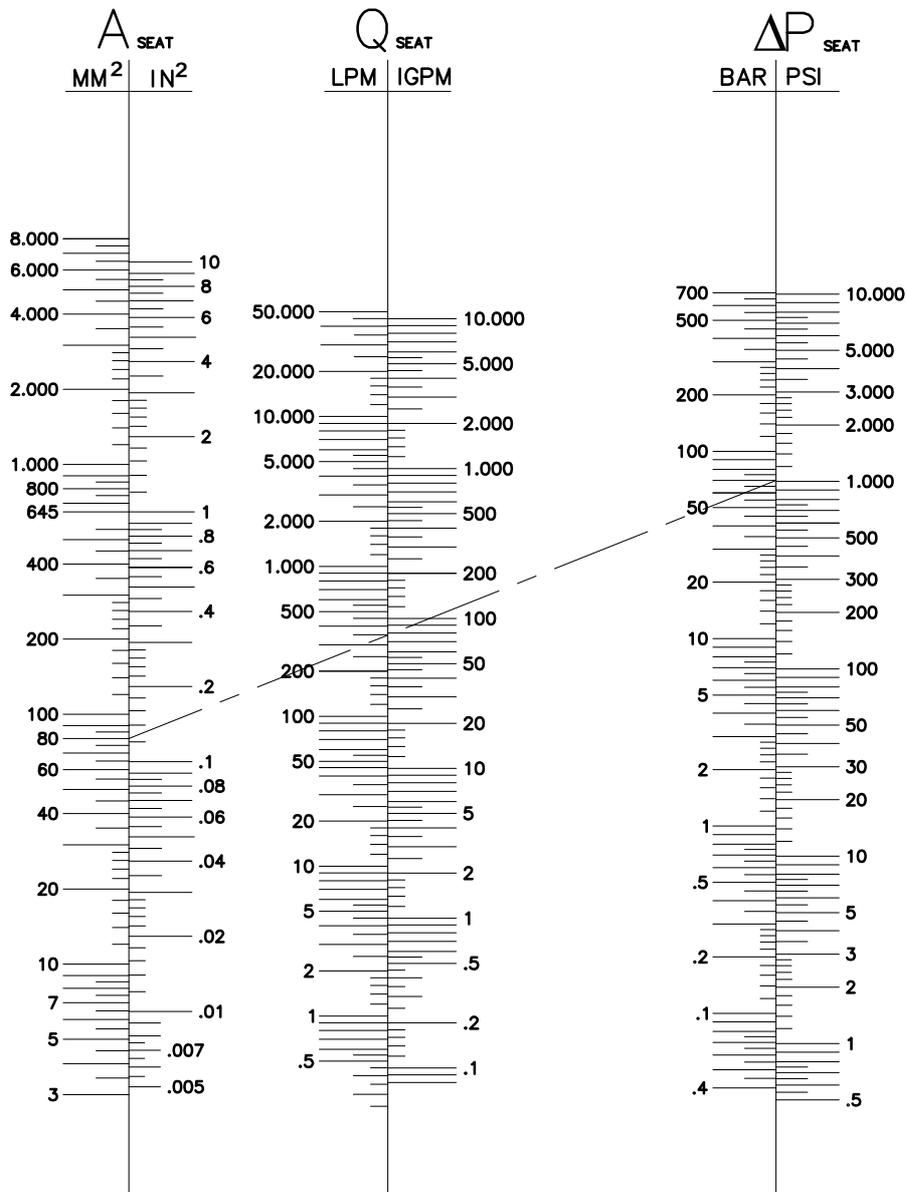


GRAPH 2

FLOW OF WATER THROUGH SEAT



BASED UPON $Q = 19.6 * A * \text{SQRT } \Delta P$

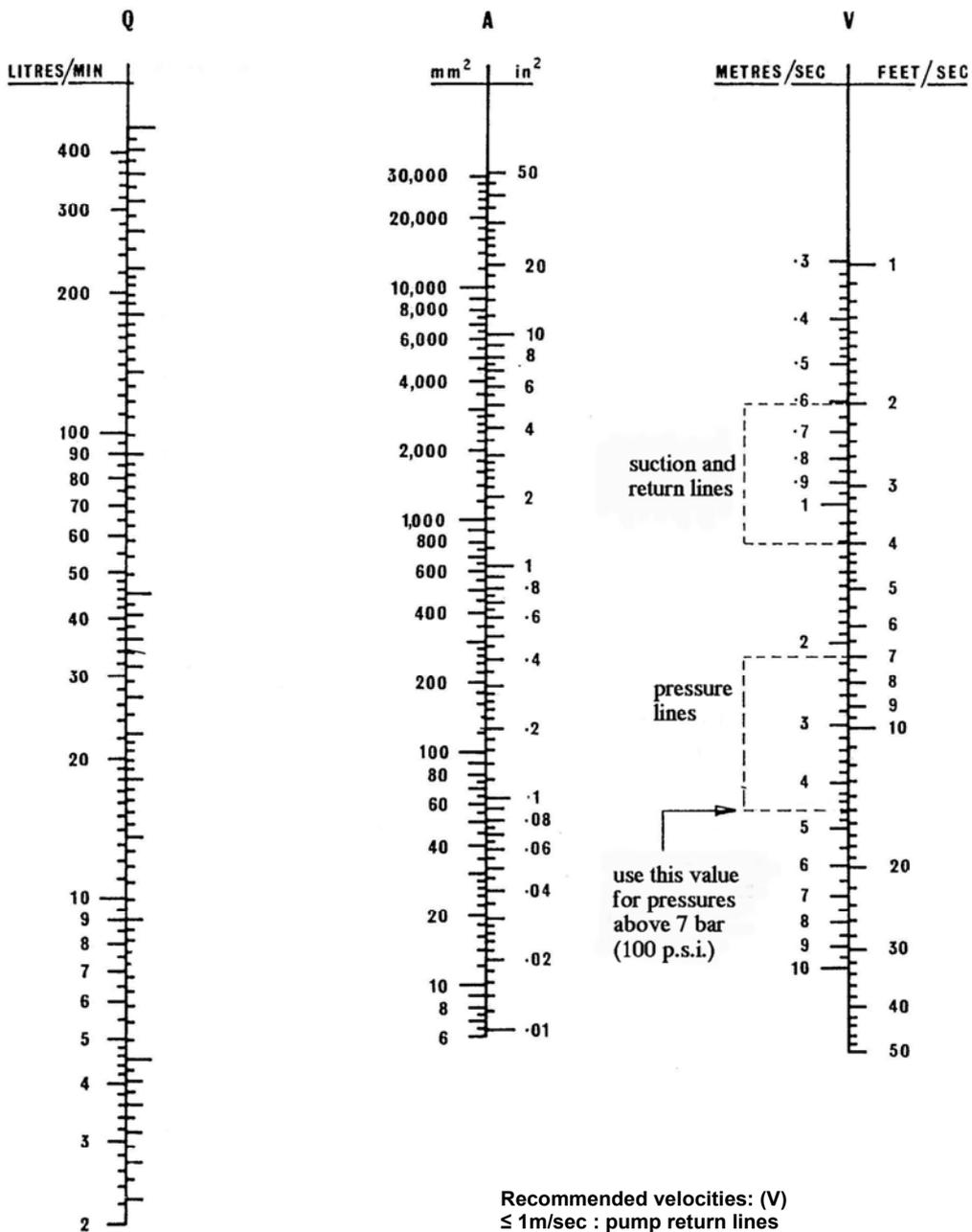
Example:

P1(inletpressure) : 130 Bar
 P2(outletpressure): 60 Bar
 $\Delta P (P1 - P2)$: 70 Bar
 Seat area (mm^2) : 80 mm^2

Flow : ± 350 liter / minute

GRAPH 3

FLOW OF WATER THROUGH REGULATOR OUTLETPORT



BASED UPON $Q = A \times V$

Recommended velocities: (V)
 ≤ 1m/sec : pump return lines
 1m/sec : suction side of reciprocating pumps
 2m/sec : suction side of centrifuged pumps
 4,5 m/sec: delivery side of pumps

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