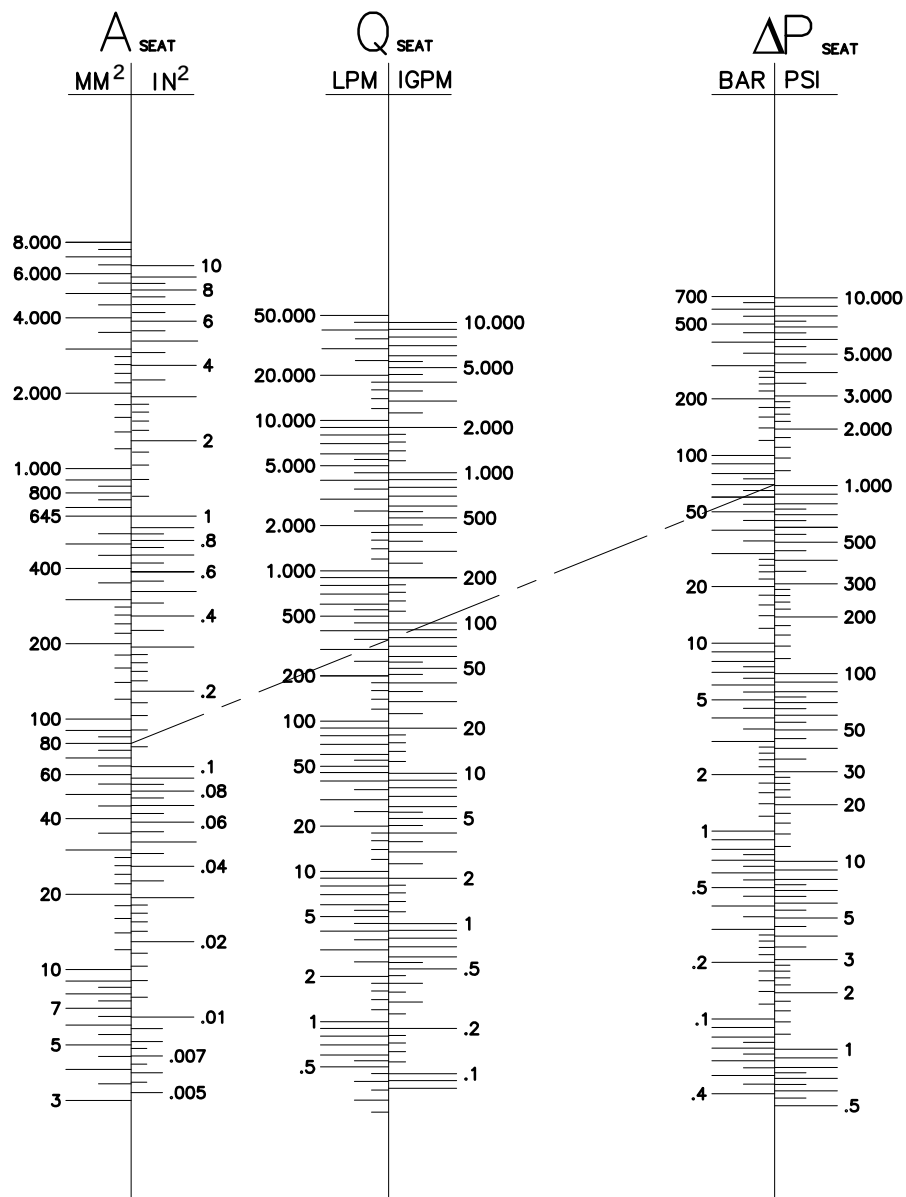


GRAPH 2

FLOW OF WATER THROUGH SEAT



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

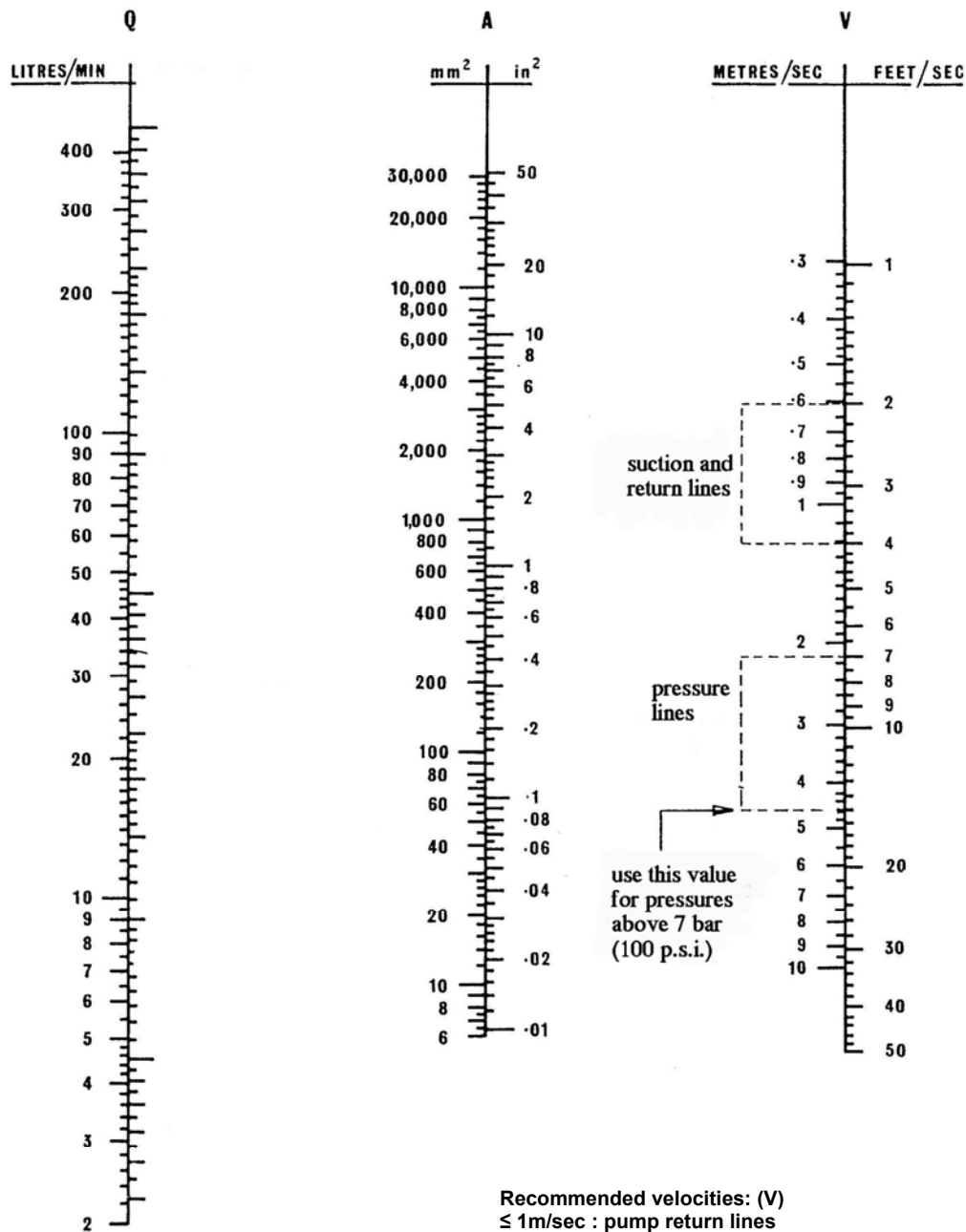
Example:

P1(inletpressure) : 130 Bar
P2(outletpressure): 60 Bar
ΔP (P1 – P2) : 70 Bar
Seat area (mm²) : 80 mm²

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 : suctionside of reciprocating pumps
 2m/sec : suctionside of centrifuged pumps
 4,5 m/sec: delivery side of pumps

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