

Comparison of Oil Pressure to Oil Flow Quantity

Suggested calculation for required oil flow with reduced oil pressure conditions

<i>Oil Pressure (psig):</i>	<i>Oil Flow:</i>
25	100 %
8	56.6 %
6.4	50.6 %
4.8	43.8 %

Formula for calculation of reduced volumetric oil flow, Q_2

$$Q_2 = Q_1 * \sqrt{\frac{P_2}{P_1}}$$

P_1 = 25 psig (nominal pressure)

P_2 = Reduced pressure

Q_1 = Nominal volumetric flow (100%)

Q_2 = Flow with reduced pressure



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