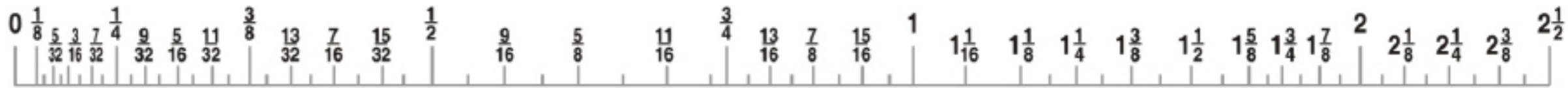


# Line Size Selection

DIAMETER  
(Inches)

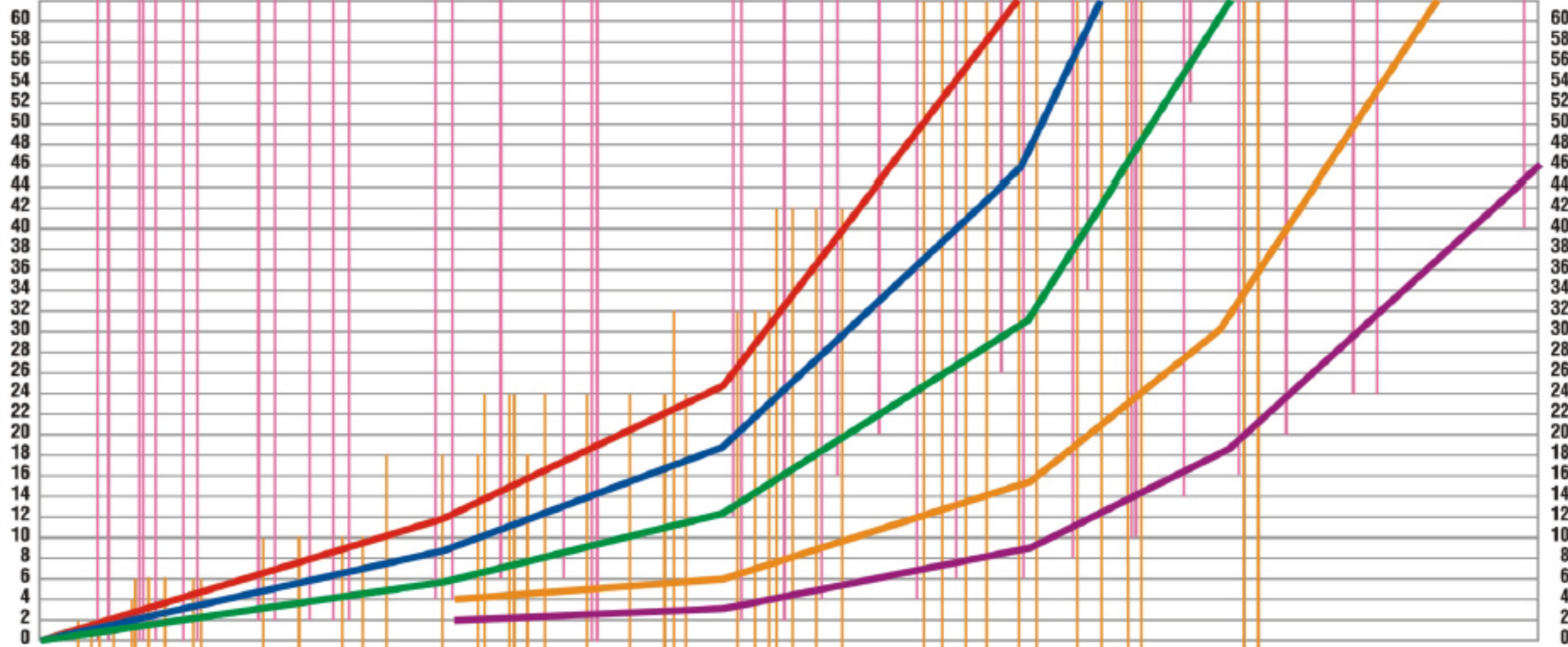


PIPE &  
HOSE SIZES

P= Standard Pipe #40  
Px= Extra Strong Pipe #90  
Pxx= Double Extra Strong Pipe #160  
H= Hose

3/16H 1/8Px 1/4H 1/2Pxx 1/8P 1/4Px 5/16H 1/4P 3/8H 13/32H 3/8Px 3/4Pxx 3/8P 1/2H 1/2Px 1Pxx 1/2P 5/8H 3/4Px 3/4H 3/4P 7/8H 1-1/4Pxx 1Px 1H 1P 1-1/2Pxx 1-1/8H 1-1/4H 1-1/4Px 1-3/8H 1-1/4P 1-1/2H 1-1/2Px 2Pxx 1-1/2P 1-13/16H 2H 2P 2-1/2P

FLOW  
(Gallons/Minute)



PUMP SUCTION LINES  
SCH 40 Pipe  
Oil Velocity 2 to 4 F.P.S.

OIL RETURN LINES  
SCH 40 Pipe  
Oil Velocity 5 to 7 F.P.S.

MEDIUM PRESSURE LINES  
SCH 90 Pipe  
500 - 2,000 P.S.I.  
Oil Velocity 15 to 20 F.P.S.

HIGH PRESSURE LINES  
2,000 TO 10,500 P.S.I.  
Oil Velocity to 25 F.P.S.

Feet Per Second (F.P.S.)

- 20 F.P.S.
- 15 F.P.S.
- 10 F.P.S.
- 5 F.P.S.
- 3 F.P.S.

TUBE SIZE  
(Inches)

1/4.049 1/4.035 1/4.028 5/16.049 5/16.035 3/8.065 3/8.049 3/8.035 3/8.028 1/2.065 1/2.049 1/2.035 1/2.028 5/8.083 5/8.065 5/8.049 3/4.109 5/8.035 3/4.095 5/8.028 3/4.083 3/4.065 3/4.049 3/4.035 7/8.095 3/4.028 7/8.065 7/8.049 7/8.035 1.095 1.083 1.065 1.049 1-1/4.120 1-1/4.109 1-1/4.095 1-1/4.083 1-1/4.065 1-1/4.049 1-1/2.120 1-1/2.095 1-1/2.065 1-1/2.049 2.0.188 2.0.156

AREA  
(Square Inches)

