

### Flow capacities of Parker hose at recommended flow velocities

The chart below is provided as an aid in the determination of the correct hose size.  
Suitable for hydraulic applications.

Example:

At 10 gallons per minute (gal/min), what is the proper hose size within the recommended velocity range for pressure lines?

Locate 10 gallons per minute in the left-hand column and 25 feet per second in the right-hand column (the maximum recommended velocity range for pressure lines).

Lay a straight line across these two points. The inside diameter shown in the centre column is above -6 so we have to use -8 (1/2").

For suction hose, follow the same procedure except use recommended velocity range for intake lines in the right-hand column.

Where:

Q - flow in gallons per minute (gal/min and l/min)

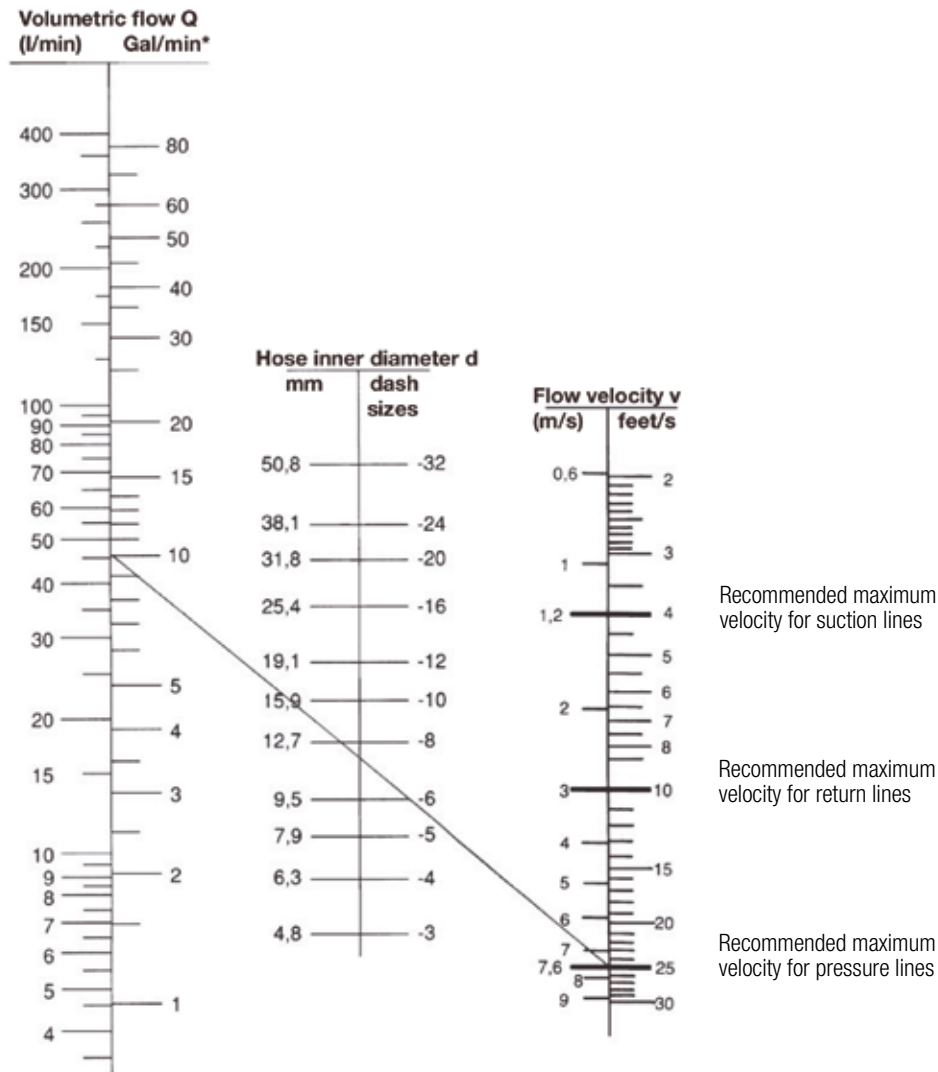
V - velocity in feet per second (f/s and m/s)

d - hose inside diameter (mm and dash size)

### Conversion factors:

gal/min x 4.546 = l/min

feet/s x 0.3048 = m/s



\* gallons are UK gallons.

Recommended velocities are according to hydraulic fluids of maximum viscosity 315 S.S.U at 38°C working at room temperature within 18° and 68°C.