

# Hose Flow Test Charts

## 2x45mm Hose

Pressure At Pump	Pressure At Flow meter/Branch	Flow rate	Actual Pressure Loss In Hose line	Frictional Loss Using Angus fire's Hose Calculator	Frictional Loss Using Foreground Formula
5.6 bar	5 bar	230 l/min	0.6 bar	0.8 bar	0.6 bar
6.9 bar	6 bar	270 l/min	0.9 bar	1.1bar	0.9bar
8.0 bar	7 bar	300 l/min	1.0 bar	1.3bar	1.0 bar
9.4 bar	8 bar	340 l/min	1.4 bar	1.7bar	1.4 bar

## 3x45mmHose

Pressure At Pump	Pressure At Flow meter/Branch	Flow rate	Actual Pressure Loss In Hose line	Frictional Loss Using Angus fire's Hose Calculator	Frictional Loss Using Fire ground Formula
6.0 bar	5 bar	230 l/min	1.0 bar	1.2 bar	0.96 bar
7.2 bar	6 bar	260 l/min	1.2 bar	1.5 bar	1.2 bar
8.6 bar	7 bar	300 l/min	1.6bar	2.0 bar	1.6 bar
9.9 bar	8 bar	340 l/min	1.9bar	2.4 bar	2.0bar

## 2x52mm Hose

Pressure At Pump	Pressure At Flow meter/Branch	Flow rate	Actual Pressure Loss In Hose line	Frictional Loss Using Angus fire's Hose Calculator	Frictional Loss Using Fire ground Formula
5.25 bar	5 bar	230 l/min	0.25 bar	0.4bar	0.3bar
6.5 bar	6 bar	270 l/min	0.5 bar	0.6bar	0.4bar
7.5bar	7 bar	300 l/min	0.5 bar	0.7bar	0.5bar
8.6 bar	8 bar	340 l/min	0.6 bar	0.9bar	0.6bar

## 3x52mm Hose

Pressure At Pump	Pressure at Flow meter/Branch	Flow rate	Actual Pressure Loss In Hose line	Frictional Loss Using Angus fire's Hose Calculator	Frictional Loss Using Fire ground Formula
5.5 bar	5 bar	230 l/min	0.5 bar	0.6 bar	0.5bar
6.55 bar	6 bar	260 l/min	0.55 bar	0.8 bar	0.6 bar
7.9 bar	7 bar	300 l/min	0.9 bar	1.0 bar	0.8 bar
9.0 bar	8 bar	330 l/min	1.0 bar	1.2 bar	1.0 bar

### 1x70mm Hose & 1x45mm Hose

Pressure at Pump	Pressure At Flow meter/branch	Flow rate	Actual Pressure loss In Hose line	Frictional Loss Using Angus fire's Hose Calculator	Frictional Loss Using Fire ground Formula
5.4 bar	5 bar	220 l/min	0.4 bar	0.4 bar	0.3 bar
6.5 bar	6 bar	260 l/min	0.5 bar	0.6 bar	0.4 bar
7.7 bar	7 bar	300 l/min	0.7 bar	0.8 bar	0.5 bar
8.9 bar	8 bar	340 l/min	0.9 bar	1.0 bar	0.7 bar

### 1x70mm Hose & 1x52mm Hose

Pressure At Pump	Pressure At Flow meter/Branch	Flow rate	Actual Pressure loss In Hose line	Frictional Loss Using Angus fire's Hose Calculator	Frictional Loss Using Fire ground Formula
5.1 bar	5 bar	230 l/min	0.1 bar	0.2 bar	0.2 bar
6.2 bar	6 bar	270 l/min	0.2 bar	0.4 bar	0.2bar
7.25 bar	7 bar	300 l/min	0.25 bar	0.5 bar	0.3 bar
8.4 bar	8 bar	340 l/min	0.4 bar	0.5 bar	0.3 bar

### 2x70mm Hose & 1x45mm Hose

Pressure At Pump	Pressure At Flow meter/Branch	Flow rate	Actual Pressure Loss In Hose line	Frictional Loss Using Angus fire's Hose Calculator	Frictional Loss Using Fire ground Formula
5.4 bar	5 bar	220 l/min	0.4 bar	0.5 bar	0.4 bar
6.6 bar	6 bar	260 l/min	0.6 bar	0.6 bar	0.5bar
7.75 bar	7 bar	300 l/min	0.75 bar	0.8 bar	0.6bar
8.9 bar	8 bar	340 l/min	0.9 bar	1.1 bar	0.9 bar

### 2x70mm Hose & 1x52mm Hose

Pressure At Pump	Pressure At Flow meter/Branch	Flow rate	Actual Pressure Loss In Hose line	Frictional Loss Using Angus fire's Hose Calculator	Frictional Loss Using Fire ground Formula
5 bar	5 bar	220 l/min	0.0 bar	0.3 bar	0.2 bar
6.3 bar	6 bar	270 l/min	0.3 bar	0.4 bar	0.3 bar
7.4 bar	7 bar	310 l/min	0.4 bar	0.5 bar	0.4 bar
8.4 bar	8bar	340 l/min	0.4 bar	0.6 bar	0.5 bar

Branch one	Branch two	Branch three	Branch four
5 bar 210 l/min	5 bar 230 l/min	5 bar 210 l/min	5 bar 190 l/min
6 bar 260 l/min	6 bar 260 l/min	6 bar 240 l/min	6 bar 230 l/min
7 bar 300 l/min	7 bar 300 l/min	7 bar 280 l/min	7 bar 270 l/min
8 bar 360 l/min	8 bar 330 l/min	8 bar 330 l/min	8 bar 310 l/min