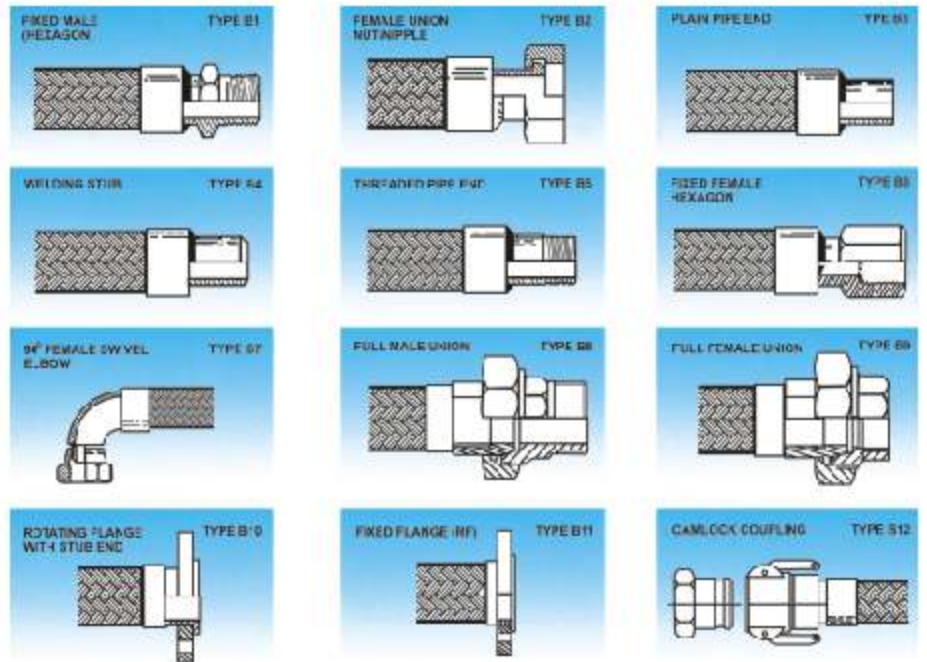


End Connections

All Hose assemblies are individually made. They can have end fittings selected to suit customers requirements.

End connections can be from a wide range including male and female, BSP/ NPT threads, fixed and swivel flanges to various specifications, tube ends, weld ends, quick-release couplings etc.



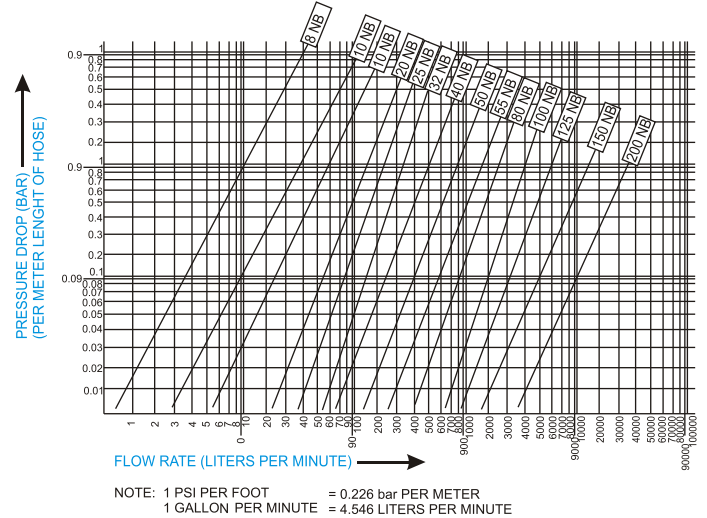
Pressure Loss

The pressure loss in corrugated hoses is 100% higher than in new steel pipes, because the bore of a corrugated hose is not smooth. This means that in the case of corrugated hoses, an increase in diameter of 15% is required to reduce the pressure loss to the value of the pressure loss in steel pipes.

The chart shows the approximate pressure drop for each size of corrugated hose related to a flow rate where water is the fluid. To utilize the chart, read off on the base line the flow rate required.

Where a vertical line from the selected point on the base line intersects the nominal bore line, the pressure drop is shown on the vertical axis, corresponding to the point of intersection.

Chart Indicating the Approximate Pressure Drop Per Meter Length in Corrugated Hoses Corresponding to flow rate of Water in Liters per minute



Temperature Correction Factor

Where hoses are required to work at higher temperatures, the working pressure given in Table (below), should be multiplied by the correction factor. This will determine the pressure rating of the hoses at the higher temperature.

Temperature Range		Correction Factor 'F _t '		
°C	°F	Material		
		1.4541 (SS 321)	1.4404 & 1.4306 (SS316L & SS304L)	Carbon Steel
> -200 ≤ -20	> -328 ≤ -4	1	1	-
> -20 ≤ 50	> -4 ≤ 122	1	1	1
> 50 ≤ 100	> 122 ≤ 212	0.96	0.94	0.91
> 100 ≤ 150	> 212 ≤ 302	0.92	0.90	0.83
> 150 ≤ 200	> 302 ≤ 392	0.88	0.86	0.74
> 200 ≤ 250	> 392 ≤ 482	0.84	0.82	0.66
> 250 ≤ 300	> 482 ≤ 572	0.80	0.78	0.59
> 300 ≤ 350	> 572 ≤ 662	0.76	0.74	0.54
> 350 ≤ 400	> 662 ≤ 752	0.72	0.70	0.52
> 400 ≤ 450	> 752 ≤ 842	0.66	0.66	-
> 450 ≤ 500	> 842 ≤ 932	0.60	0.60	-
> 500 ≤ 550	> 932 ≤ 1022	0.54	-	-
> 550 ≤ 600	> 1022 ≤ 1112	0.44	-	-
> 600 ≤ 650	> 1112 ≤ 1202	0.36	-	-



Performance