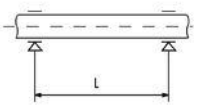
PIPE SUPPORT SPACING

POSITIONING PIPE CLIPS

Thermoplastic pipe systems must be supported with pipe clips to prevent flexing and the mechanical stresses that result from it. The distance between the clips depends on the pipe material, the SDR, the surface temperature and the density of the conveyed fluid. Before installing the clips, check the distances in the tables below, as provided for by guideline DVS 2210-1 for water pipes.



The tables give the support distance L for PVC-U pipes conveying liquids of density 1 g/cm³ (water and other fluids of equal density), at the pipe temperatures shown.

Pipes of SDR 13.6 / S 6.3 / PN 16

d (mm)	< 20 °C	30 °C	40 °C	50 °C	60 °C
16	950	900	850	750	600
20	1100	1050	1000	900	700

Pipes of SDR 21 / S 10 / PN 10

d (mm)	< 20 °C	30 °C	40 °C	50 °C	60 °C
25	1200	1150	1050	950	750
32	1350	1300	1250	1100	900
40	1450	1400	1350	1250	1000
50	1600	1550	1500	1400	1150
63	1800	1750	1700	1550	1300
75	2000	1900	1850	1700	1450
90	2200	2100	2000	1850	1550
110	2400	2300	2250	2050	1750
125	2550	2450	2400	2200	1850
140	2700	2600	2500	2300	1950
160	2900	2800	2700	2500	2100
180	3100	2950	2850	2650	2200

For different SDR values, multiply the data in the table by the following factors: 1.08 for SDR 13.6 / S6.3 / PN16, size range d25 - d400; 1.15 for SDR 11 / S5 / PN20, entire size range.

FLUIDS OF OTHER DENSITY

If the conveyed liquid has a density other than 1 g/cm³, multiply the distance L in the table by the support factor below.

FLUID DENSITY (g/cm³)	SUPPORT FACTOR
1.25	0.96
1.50	0.92
< 0.01	1.42 for SDR 21 / S10 / PN10; 1.30 for SDR 13.6 / S6.3 / PN16; 1.20 for SDR 11 / S5 / PN20

Specifications are subject to change without notice.