

## Installation Details - Support Distances

### Support Distances L for PPH pipes of PN 10 rating (in cms) at

OD	20°C	30°C	40°C	50°C	60°C	70°C	80°C
20	70	67	65	62	60	57	55
25	80	77	75	72	70	67	65
32	95	92	90	87	85	80	75
40	110	107	105	100	95	92	87
50	125	122	120	115	110	105	100
63	145	142	140	135	130	125	120
75	155	150	145	140	135	130	125
90	165	160	155	150	145	140	135
110	185	180	175	170	160	150	140
125	200	195	190	180	170	160	150
140	210	205	200	190	180	170	160
160	225	220	210	200	190	180	170
200	250	240	230	220	210	200	190
225	265	255	245	235	225	215	200
250	280	270	260	250	240	230	215
280	295	285	275	265	255	245	230
315	315	305	295	285	270	260	245
355	355	325	315	300	285	275	260
400	355	345	335	320	305	290	275

For other pressure ratings support distances may be changed as follows:

PN 2.5	-25%
PN6/6.3	-9%
PN16	+7%

For Gases with density  $<0.01 \text{ g/cm}^3$  support distances will be increased by:

PN 6	47%
PN10	30%
PN16	21%

Fluids of higher density, between  $1.0 \text{ g/cm}^3$  to  $1.25 \text{ g/cm}^3$ , reduced by 4%.

## Storage and Transportation of Polypropylene Pipes

### Storage and handling of pipes made from PP, PE have to follow general instructions:

- Pipes can be stored telescopically by storing lower dimension pipes inside larger pipes
- Storage heights should not exceed 1 mtr where pipes are being piled together. Pipes may be stored in wooden/metal rakes with proper insulation to avoid damage to pipe surface
- Unless the pipes have been stabilized for UV – pipes should not be stored under the sun to avoid damage due to radiation. UV-non-stabilized Sangir PP Homo and PP-FR in natural and grey color should therefore be stored inside covered warehouses
- Damages to the surface of the pipe due to dragging or from sharp objects in storage area should be avoided
- Fittings may be stored in separate pigeon hole drums to avoid mixing and exposure to dust/sunlight
- Impact and Bending stresses should be avoided for extremely low temperature situations

### Transportation

- Pipes may travel telescopically however they should be properly aligned parallel to each other
- Care should be taken in extremely cold temperatures to avoid unnecessary bends or stresses during loading
- Material may be loaded into vehicles that have proper covering from sunlight and can hold the Pipes compactly to avoid unnecessary friction and damage during transport
- Larger & heavier pipes should be loaded at the bottom of the cargo then succeeded with lower sizes above
- Coils may be transported telescopically but care should be taken in extreme temperatures

