

NOTE:

Support spacings for PVC and CPVC pipe systems are greatly influenced by operating temperatures. The charts below recommend horizontal spacing based on pipe size, schedule, material (PVC or industrial grade CPVC) and operating temperatures. Hangers/supports should not be clamped tightly because the axial movement of the plastic pipe would be restricted. These charts are based on continuous spans and uninsulated lines carrying liquids.

PIPE SIZE (in)	SCHEDULE 40 PVC TEMPERATURE F°					SCHEDULE 80 PVC TEMPERATURE F°				
	60°	80°	100°	120°	140°	60°	80°	100°	120°	140°
1/4	4	3-1/2	3-1/2	2	2	4	4	3-1/2	2-1/2	2
3/8	4	4	3-1/2	2-1/2	2	4-1/2	4-1/2	4	2-1/2	2-1/2
1/2	4-1/2	4-1/2	4	2-1/2	2-1/2	5	4-1/2	4-1/2	3	2-1/2
3/4	5	4-1/2	4	2-1/2	2-1/2	5-1/2	5	4-1/2	3	2-1/2
1	5-1/2	5	4-1/2	3	2-1/2	6	5-1/2	5	3-1/2	3
1-1/4	5-1/2	5-1/2	5	3	3	6	6	5-1/2	3-1/2	3
1-1/2	6	5-1/2	5	3-1/2	3	6-1/2	6	5-1/2	3-1/2	3-1/2
2	6	5-1/2	5	3-1/2	3	7	6-1/2	6	4	3-1/2
2-1/2	7	6-1/2	6	4	3-1/2	7-1/2	7-1/2	6-1/2	4-1/2	4
3	7	7	6	4	3-1/2	8	7-1/2	7	4-1/2	4
3-1/2	7-1/2	7	6-1/2	4	4	8-1/2	8	7-1/2	5	4-1/2
4	7-1/2	7	6-1/2	4-1/2	4	9	8-1/2	7-1/2	5	4-1/2
5	8	7-1/2	7	4-1/2	4	9-1/2	9	8	5-1/2	5
6	8-1/2	8	7-1/2	5	4-1/2	10	9-1/2	9	6	5
8	9	8-1/2	8	5	4-1/2	11	10-1/2	9-1/2	6-1/2	5-1/2
10	10	9	8-1/2	5-1/2	5	12	11	10	7	6
12	11-1/2	10-1/2	9-1/2	6-1/2	5-1/2	13	12	10-1/2	7-1/2	6-1/2
14	12	11	10	7	6	13-1/2	13	11	8	7
16	12-1/2	11-1/2	10-1/2	7-1/2	6-1/2	14	13-1/2	11-1/2	8-1/2	7-1/2
SDR 41 PVC						SDR 26 PVC				
18	13	12	11	8	7	14-1/2	14	12	9	8
20	13-1/2	12-1/2	11-1/2	8-1/2	7-1/2	15	14-1/2	12-1/2	9-1/2	8-1/2
24	14	13	12	9	8	15-1/2	15	13	10	9

PIPE SIZE (in)	SCHEDULE 40 CPVC TEMPERATURE F°						SCHEDULE 80 CPVC TEMPERATURE F°					
	73°	100°	120°	140°	160°	180°	73°	100°	120°	140°	160°	180°
1/2	5	4-1/2	4-1/2	4	2-1/2	2-1/2	5-1/2	5	4-1/2	4-1/2	3	2-1/2
3/4	5	5	4-1/2	4	2-1/2	2-1/2	5-1/2	5-1/2	5	4-1/2	3	2-1/2
1	5-1/2	5-1/2	5	4-1/2	3	2-1/2	6	6	5-1/2	5	3-1/2	3
1-1/4	5-1/2	5-1/2	5-1/2	5	3	3	6-1/2	6	6	5-1/2	3-1/2	3
1-1/2	6	6	5-1/2	5	3-1/2	3	7	6-1/2	6	5-1/2	3-1/2	3-1/2
2	6	6	5-1/2	5	3-1/2	3	7	7	6-1/2	6	4	3-1/2
2-1/2	7	7	6-1/2	6	4	3-1/2	8	7-1/2	7-1/2	6-1/2	4-1/2	4
3	7	7	7	6	4	3-1/2	8	8	7-1/2	7	4-1/2	4
3-1/2	7-1/2	7-1/2	7	6-1/2	4	4	8-1/2	8-1/2	8	7-1/2	5	4-1/2
4	7-1/2	7-1/2	7	6-1/2	4-1/2	4	8-1/2	9	8-1/2	7-1/2	5	4-1/2
6	8-1/2	8	7-1/2	7	5	4-4/2	10	9-1/2	9	8	5-1/2	5
8	9-1/2	9	8-1/2	7-1/2	5-1/2	5	11	10-1/2	10	9	6	5-1/2
10	10-1/2	10	9-1/2	8	6	5-1/2	11-1/2	11	10-1/2	9-1/2	6-1/2	6
12	11-1/2	10-1/2	10	8-1/2	6-1/2	6	12-1/2	12	11-1/2	10-1/2	6-1/2	6-1/2

- Charts above are not applicable where loads between supports are concentrated (e.g. valves, flanges, expansion joints, etc.) or where there is a change in line direction. Hangers/supports should be located adjacent to joints, branch connections and changes in direction.
- Risers should be installed independantly of adjacent horizontal hangers/supports.
- Cast Iron Pipe should have a maximum of 12' spacing with at least one hanger/support for each pipe section.
- For fire protection, refer to current NFPA specifications