

PVC Slotted Laterals Pipe

Machined Laterals



All SWT laterals are cut-to-length & NPT threaded to match standard PVC or stainless steel hubs. SCH. 80 material is recommended for larger tanks and heavier filtration medias. Always use a proper underbedding, 0.012 slot is standard, 0.010 & 0.20 slots available on request. Standard material is PVC SCH80.

Technical Specifications:

Maximum operating temp (PVC).....	140°F (60°C)
Maximum operating temp (CPVC).....	180°F (85°C)
Maximum operating temp (PolyPro).....	90°F (90°C)
Maximum operating temp (PVDF).....	280°F (140°C)
Maximum operating pressure.....	150 PSI
P @ 5 ft/sec. velocity.....	< 3 PSI
Slot width (Standard).....	0.012" (0.254m)

PVC laterals are offered in three grades of wall thickness: thin wall SDR #26, schedule 80. Standard diameters include 1/2", 3/4", 1", 1 1/2", and 2". One end is threaded MNPT. The other end is closed with a flat end plug.

Generally, laterals up to 5" long receive 1/16" spacing between slots. Laterals from 5" to 8" long receive 1/8" spacing. Laterals over 8" long receive 3/16" spacing. Laterals 1 1/2" in diameter and smaller are slotted in three rows. Laterals 2" in diameter and larger have four rows of slots. To minimize pressure loss when in service, the open area of slots is engineered to be equal to or greater than 1 1/2 times the cross sectional open area of the pipe.

Standard slot widths are 0.010", 0.013", and 0.020. Other slot widths, including 0.006", 0.008", 0.016", 0.032", and 0.125", are available for a nominal extra fee. Laterals are available in plastics other than PVC, including CPVC, polypropylene, teflon, and PVDF. Each lateral is made per order, so most custom requests will not lengthen lead times. Contact your SWT sales representative to discuss custom sizes, configurations, and materials.

Lateral Sizing Formula:

To accurately determine the length of a lateral, you must know the tank inner diameter and the hub outer diameter. The formula is as follows:

$$\left(\frac{\text{tank diameter} - \text{hub diameter}}{2} \right) - 1 = \text{lateral length}$$