

Co-axial Material Conditioning Hoses

Paint, Powder & Sealant System Integrators
- Specializing in Stainless Steel



Precise Finishing Systems has developed two flexible heat exchangers to be used in conjunction with a material supply hose. The heat exchangers are ideally suited for low load applications and where a shell and tube heat exchanger is not practical due to cost and spatial constraints.



Conditioning Blocks



Material Supply Hose

Material Supply Hose Assembly

The co-axial material supply hose assembly can accommodate material hoses ranging from .5" to 1" ID. Precise Finishing Systems will fabricate this assembly to your specified material hose requirements.

The 2.5" outer shell is an abrasion resistant styrene butadiene rubber (SBR) and is corrugated to facilitate a 4" minimum bend radius. Since the outer shell is available up to 100 meters in length, Precise Finishing Systems can provide a final loop hose assembly of equivalent length.

The end blocks are stainless steel and of two piece construction. The two piece design allows for greater flow rates in comparison to competitive units, while improving the ease of inner hose replacement.



Whip Hose Assembly



Whip Hose Assembly

The co-axial whip hose assembly can accommodate material hoses ranging from .25" to .375" ID. As with the material supply hose assembly, Precise Finishing Systems will fabricate this assembly to your specified whip hose requirements.

This assembly was designed to provide sufficient heat transfer close to the dispense gun, while maintaining a

higher degree of flexibility that is typically required due to gun articulation.

The 1.5" outer shell is also constructed of abrasion resistant SBR, while it's corrugated design permits bend radiuses as low as two inches.

The end blocks for the whip hose assembly are also stainless steel and of two piece construction for similar reasons previously described. However, the co-axial whip hose assembly blocks are available with two different means for water porting. The 1.5" conditioning block has one female .375" NPT port for water connection, while the 2" conditioning block has four female .125" NPT ports to provide a simple solution to conditioning downstream components.

Ⓒ Patent Pending

