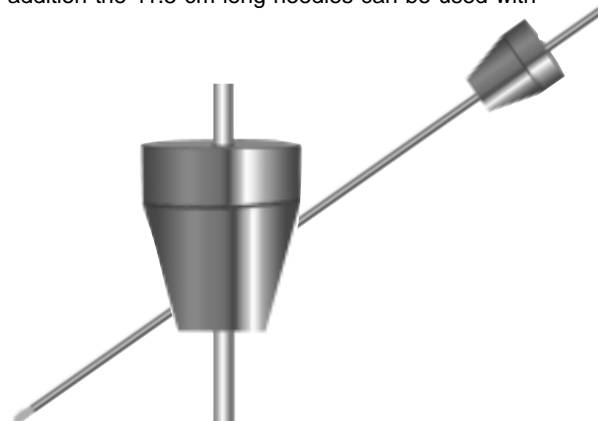


Stainless Steel Sparging Needles for Sample Purging System

A variety of lengths of the stainless steel sparging needles are available for the S.I.S™. Purge & Trap system. All needles are constructed from stainless steel capillary tubing, 0.50 mm O.D. Approximately 10 mm from the flat end a metal hub is attached for the seating and sealing of the needle in the fitting on the S.I.S. liquid purge head. The 5.0 ml sample tubes use the 16.0 cm long needles, and the 25.0 ml sample tubes use the 22.5 cm long needles. In addition the 11.5 cm long needles can be used with standard 12 mm x 75 mm long disposable Pyrex glass test tubes.

Part No.	Description	Length (cm)	O.D. (mm)	I.D.(mm)
031205	Sparging Needle, pkg of 5	11.5	0.50	0.12
8610306	Sparging Needle, pkg of 2	16.0	0.50	0.12
86103091	Sparging Needle, pkg of 2	22.5	0.50	0.12
8610309	Sparging Needle, pkg of 2	30.0	0.50	0.12
031305	Sparging Needle, pkg of 5	11.5	0.50	0.20
8610366	Sparging Needle, pkg of 2	16.0	0.50	0.20
86103691	Sparging Needle, pkg of 2	22.5	0.50	0.20
8610369	Sparging Needle, pkg of 2	30.0	0.50	0.20
031405	Sparging Needle, pkg of 5	11.5	0.50	0.25
031406	Sparging Needle, pkg of 2	16.0	0.50	0.25
86103891	Sparging Needle, pkg of 2	22.5	0.50	0.25
8610389	Sparging Needle, pkg of 2	30.0	0.50	0.25

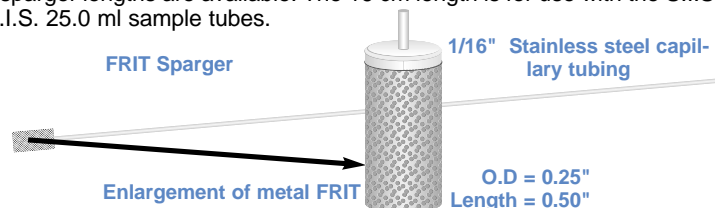


Stainless Steel Metal Frit Spargers for the Purge & Trap System

For the most efficient sparging of liquid samples

The stainless steel metal frit spargers have been designed for use with the S.I.S. Purge and Trap system. They consist of a 1/16" O.D. stainless steel capillary tube attached to a 5.0 micron porous stainless steel frit. This provides for a tiny bubble sparger to efficiently sparge the volatiles from liquid samples. Two sparger lengths are available. The 16 cm length is for use with the S.I.S. 5.0 ml sample tubes and the 22.5 cm length is for use with the S.I.S. 25.0 ml sample tubes.

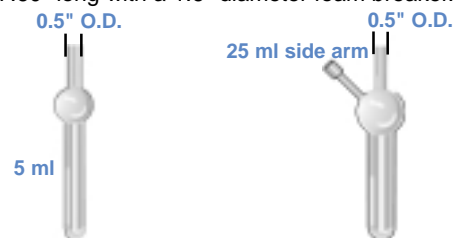
Part No.	Description	Price each
783041	S.S. FRIT Sparger, 16 cm long	
783042	S.S. FRIT Sparger, 22.5 cm long	
072623	1/16" Graphite Ferrules, pkg. of 10	
072657	1/16" Graphitized / Vespel Ferrules, pkg. of 10	



Purge and Trap Glassware

The Purge & Trap Glass Sample Tubes are constructed from borosilicate glass with 0.5" O.D. tube ends for mating with standard 1/2" fittings. The tubes incorporate a foam breaker usable for the purging of foaming samples. Two sizes of tubes are available. The 5.0 ml glass tubes are 5.75" long with a 1.0" diameter foam breaker. The 25.0 ml glass tubes are 7.60" long with a 1.6" diameter foam breaker. The top connection on all tubes is 0.50" outside diameter.

Part No.	Description	Price ea.	Price Pkg /10
805001	5 ml glass Sample Tube with foam breaker		
805003	25 ml glass Sample Tube with foam breaker		
805002	5 ml glass Sample Tube with septa side arm		
805004	25 ml glass Sample Tube with septa side arm		
774200	Septa for side arm tubes, pkg of 10		



Plastic Safety Shields for Sample Purging System

The Plastic Safety Shields have been constructed for the S.I.S. Purge & Trap System. The Shields are designed to slide into the groove milled into the Purge & Trap System Base. Two heights of the safety shields are available. The 5.5" high shields are for use with the 5.0 ml sampling tube or other sample tubes of similar size. The 7.5" high safety shields are for use with the 25 ml sampling tubes. In addition to the standard straight safety shields, two additional models are available with slots in the top part of the back side for use with sampling tubes with septa side arm ports.

Part No.	Description	Price
783012	Safety Shield, 5.5" high, for 5.0 ml tube	
783013	Safety Shield, 5.5" high, for 5.0 ml side arm tube	
783014	Safety Shield, 7.5" high, for 25 ml tube	
783015	Safety Shield, 7.5" high, for 25 ml side arm tube	

