

SMU-1 Series

Inline Static Mixer

aerospace
 climate control
 electromechanical
 filtration
 fluid & gas handling
 hydraulics
 pneumatics
 process control
 sealing & shielding

Product Overview:

The SMU-1 Series is designed for semiconductor fluid, ultra-pure water and aggressive chemical applications; and slurry media.

The patent pending SMU-1 Series includes innovative mixing technology designed for improved blending techniques. They are available in 1/4", 3/8", 1/2", 3/4", and 1" port sizes.

In addition, the static mixers can be integrated directly into custom manifolds. The custom manifolding offers compact, point of use blending and mixing applications; allowing for less dead volume areas and gives the most efficient internal flow paths for mixing.



Contact Information:

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Product Features:

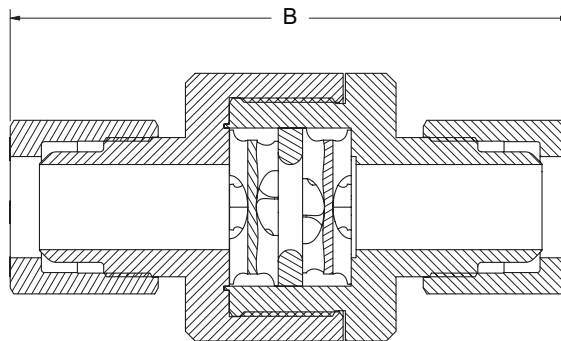
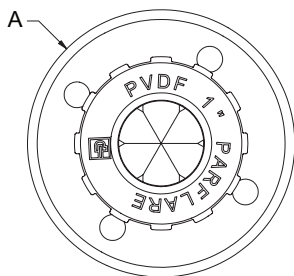
- Compact overall sizes as compared to 12" and 18" competitive mixing technologies.
- Smaller footprint offers space saving for OEM systems and compact areas in facilities.
- Improved radial mixing efficiency and consistency allows quick and convenient mixing of chemicals, CMP slurry, and de-ionized water.
- 100% ultra-high purity PTFE materials of construction provides a pure and inert material that is chemically resistant.
- No moving parts yields less modes of failure and extends product life.



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SMU-1 Series

Dimensional Drawing



Ordering Information

Model Number	End Size	End Type	Cv	A		B	
				inch	mm	inch	mm
SMU-1-6644	1/4"	PARFLARE	.10	Ø1.25	Ø31.75	3.84	97.54
SMU-1-6666	3/8"		.72	Ø1.25	Ø31.75	4.00	101.60
SMU-1-6688	1/2"		1.43	Ø1.50	Ø38.10	4.16	105.66
SMU-1-661212	3/4"		2.01	Ø1.86	Ø47.24	4.34	110.24
SMU-1-661616	1"		4.09	Ø2.75	Ø69.85	5.76	146.30

Parflare models are supplied with PVDF nuts. For PFA nuts add -T to model number. Contact factory for Pillar end connections.

Manifold Capable: Engineered manifolds up to 5:1 (inlet:outlet) with integrated check valves and shut off valves are available with inline static mixers. Contact factory for quote.

Specifications

Materials of Construction		Temperature Ranges	
Wetted Options	PTFE	Ambient	1/4" & 3/8" End Size: 32° - 212° F (0° - 100° C)
Non-wetted Options	PTFE, PVDF or PFA Nut Material		1/2" & 3/4" End Size: 50° - 212° F (10° - 100° C)
			1" End Size: 60° - 212° F (15° - 100° C)
Pressure Ranges		Fluid	1/4" & 3/8" End Size: 32° - 266° F (0° - 130° C)
Ranges	27" Hg vacuum (913 mbar - 120 PSIG (8.3 bar))		1/2" & 3/4" End Size: 50° - 266° F (10° - 130° C)
			1" End Size: 60° - 266° F (15° - 130° C)

Pressure ranges for operation at ambient temperatures. For additional information on materials of construction, functional performance and operating conditions, please contact factory.

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