



Disposable Static Mixers

Overview

PPT series mixers are an economical solution for in-line mixing. Ideal for mixing applications involving short-life fluids such as adhesives, epoxies, or coatings, PPT series mixers feature helical-style mixing elements which allow for pressure drop-efficient mixing of low, medium, and high viscosity fluids across all flow regimes. Chemically resistant polyacetal elements and polypropylene tubing resist many chemical solutions. With multiple element configurations available in each size, there is a PPT series mixer for nearly all small-scale disposable processes.

PPT mixers are available in two configurations:

- Plain Ends (For use with compression fittings)
- Brass NPT Threaded Ends

MIXING ELEMENT MATERIAL

Polyacetal

MAX OPERATING TEMPERATURE

170 °F

TEMPERATURE DE-RATING

Operating pressures de-rate based on service temperature. Multiply the maximum operating pressure for your model by the correction factor in the following table to determine the maximum working pressure at your process temperature.

TUBE MATERIAL

Polypropylene

TEMPERATURE (°F)	FACTOR
70	1.00
80	0.97
90	0.91
100	0.85
110	0.77
120	0.75
130	0.68
140	0.65
150	0.57
160	0.45
170	0.26
180	0.15

PPT Series with Plain Ends



PPT Series with Brass NPT Connections



END CONNECTIONS	TUBE OD (in.)	TUBE ID (in.)	# OF ELEMENTS	LENGTH (in.)	MODEL	MAX OPERATING PRESSURE (PSIG @ 70 °F)
Plain	0.25	0.125	12	2.25	PPT-.25-12-P	490
			24	3.75	PPT-.25-24-P	
			36	5.25	PPT-.25-36-P	
	0.375	0.25	12	3.75	PPT-.375-12-P	327
			24	6.75	PPT-.375-24-P	
			36	10.00	PPT-.375-36-P	
			48	13.00	PPT-.375-48-P	
	0.5	0.375	12	5.50	PPT-.5-12-P	245
			24	10.50	PPT-.5-24-P	
			36	15.00	PPT-.5-36-P	
	0.625	0.5	12	7.25	PPT-.625-12-P	196
			24	13.50	PPT-.625-24-P	
			36	19.50	PPT-.625-36-P	
1/4" NPT	0.5	0.375	12	8.50	PPT-.5-12-.25	245
			24	13.00	PPT-.5-24-.25	
			36	17.50	PPT-.5-36-.25	
3/8" NPT	0.625	0.5	12	10.00	PPT-.625-12-.375	196
			24	16.00	PPT-.625-24-.375	
			36	22.00	PPT-.625-36-.375	
1/2" NPT	0.625	0.5	12	10.00	PPT-.625-12-.5	196
			24	16.00	PPT-.625-24-.5	
			36	22.00	PPT-.625-36-.5	