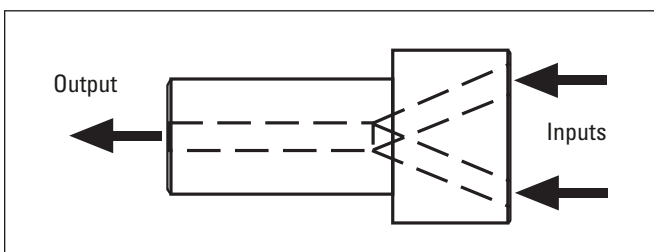
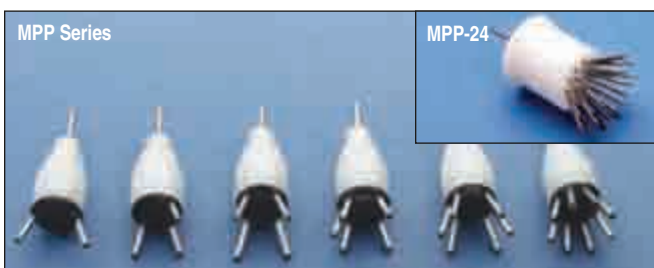


ML, MM, MP and MPP Series

Manifolds and Flow Control Hardware

Multi-in or multi-out manifolds for fluid management



	ML Series	MM Series	MP Series	MPP Series
Material	Delrin™	Delrin™	Teflon®	Delrin™
Large Diameter	8.0 mm	8.0 mm	9.4 mm	9.4 mm
Small Diameter	4.7 mm	4.7 mm	6.3 mm	4.7 mm
Body Length	18 mm	18 mm	22 mm	21 mm
Input Tubing	PE-50	PE-50	PE-160	PE-160
Output Tubing	PE-50	PE-10	PE-160	PE-160

Warner perfusion manifolds can be used in any application where from 2 to 8 perfusion lines are required to be connected to a chamber or other device. Manifold inputs converge to the common output with minimum dead space. Designed for use with polyethylene (PE) tubing, manifolds can be used with any other tubing of similar dimensions. When connected to a chamber via a short length of tubing, very rapid solution changes are possible.

ML and MM Series

Designed to be part of the SF-77 Perfusion Fast-Step systems, these miniature manifolds are useful for applications involving small volumes or slow flow rates. Small diameter tubing is used with these models; PE-50 tubing for the input ports, and PE-10 or PE-50 tubing for the MM or ML series output ports, respectively.

MP Series

MP series manifolds are recommended for gravity fed perfusion systems. Input and output tubing are inserted with a friction fit. Manifolds should be ordered with inputs to match the number of solutions to be connected. Pin plugs to block unused inputs are also supplied. MP series manifolds are used with PE-160 tubing.

MPP Series

These manifolds are suitable for systems in which solutions are pumped or at pressures greater than those generated in gravity fed systems. Input and output ports are 18 gauge stainless steel hypodermic tubing. PE-160 tubing slides over these ports to make a snug fit.

Order #	Model	Product
W4 64-0200	ML-2	Miniature Manifold, 2 ports
W4 64-0201	ML-4	Miniature Manifold, 4 ports
W4 64-0202	ML-6	Miniature Manifold, 6 ports
W4 64-0199	ML-8	Miniature Manifold, 8 ports
W4 64-0203	MM-2	Miniature Manifold, 2 ports
W4 64-0204	MM-4	Miniature Manifold, 4 ports
W4 64-0205	MM-6	Miniature Manifold, 6 ports
W4 64-0206	MP-2	MP Manifold, 2 ports
W4 64-0207	MP-3	MP Manifold, 3 ports
W4 64-0208	MP-4	MP Manifold, 4 ports
W4 64-0209	MP-5	MP Manifold, 5 ports
W4 64-0210	MP-6	MP Manifold, 6 ports
W4 64-0211	MP-8	MP Manifold, 8 ports
W4 64-0212	MPP-2	MPP Manifold, 2 ports
W4 64-0213	MPP-3	MPP Manifold, 3 ports
W4 64-0214	MPP-4	MPP Manifold, 4 ports
W4 64-0215	MPP-5	MPP Manifold, 5 ports
W4 64-0216	MPP-6	MPP Manifold, 6 ports
W4 64-0217	MPP-8	MPP Manifold, 8 ports
W4 64-0339	MPP-24	MPP Manifold, 24 ports