

# Chemlock® Filter Manifold

*Next-generation housing solution provides flexible system design*

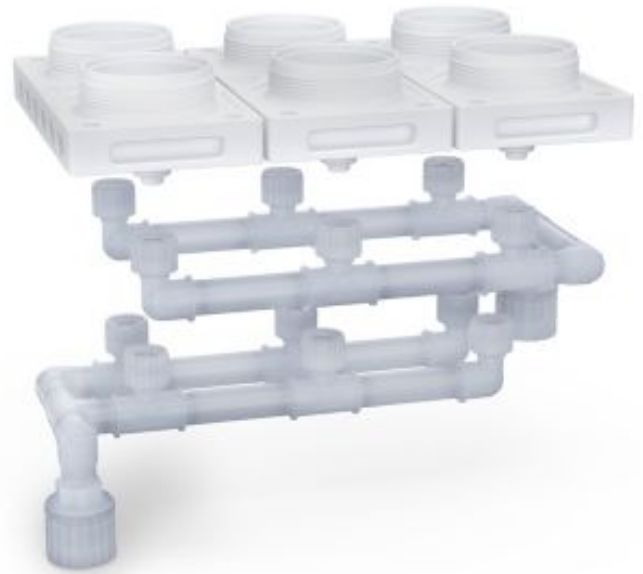
Our newly designed Chemlock® filter manifold system offers an improved space-saving design and enables users to connect as many as six cartridge filters without the need for custom-built solutions.

Using a combination of the PTFE manifold block with independent PFA plumbing configurations, filtration schemes can be modified quickly, reducing tool downtime and modification costs.

Once installed, the manifold system uses the Chemlock housing bowl and cartridge system currently available from Entegris, enabling the combined use of filters tailored for your system's needs.

## APPLICATIONS

- Chemical delivery systems
- Point-of-tool applications
- Chemical manufacturing



*Allows multiple bowl assemblies to occupy less space than traditional options.*

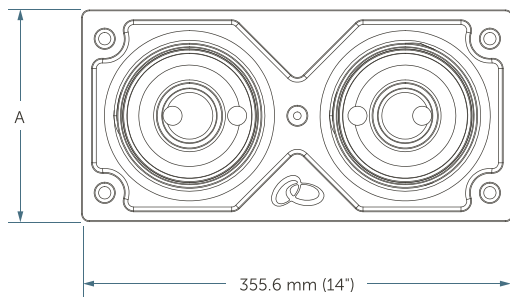
## FEATURES & BENEFITS

<b>Manifold block design</b>	Allows for 2x cartridge filters to be constructed using solid PTFE materials of construction
	Reduces process chemistry contamination risk compared to custom stainless-steel designs
<b>Plumbing configurations with PrimeLock® connections</b>	Enables parallel or series filtration schemes to be modified quickly and with fewer connections and handling
	Reduces tool downtime during modifications or filter change-outs
	Eliminates need for expensive custom solutions and reduces number of components
	Reduces cost of ownership while streamlining inventory
<b>Polymer rack system accessory</b>	Improves handling and access to plumbing configurations when modifying flow schemes
	Decreases risk of chemical exposure and reduces ergonomic challenges for modification

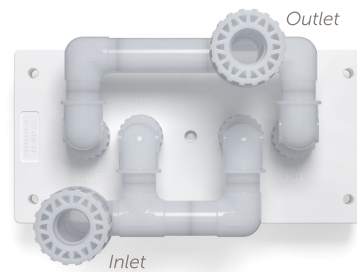
## SPECIFICATIONS

<b>Materials</b>	Chemlock manifold, integrated PrimeLock® fittings	PTFE
<b>Operating conditions</b>	Maximum inlet pressure	0.3 MPa (3.0 bar, 43 psi) @ 100°C (212°F)
	Maximum operating temperature	100°C (212°F)
<b>Torque setting</b>	Use torque specification for Chemlock bowl and O-ring selection	

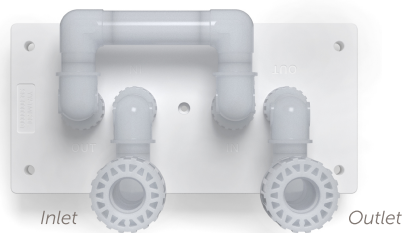
## DRAWINGS



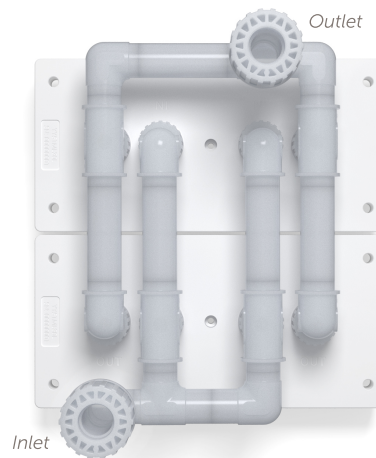
2-Up filter manifold with parallel plumbing



2-Up filter manifold with series plumbing

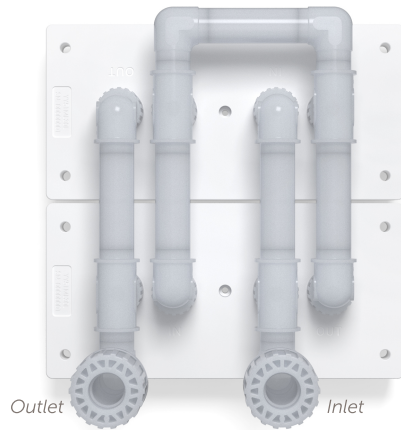


4-Up filter manifold with parallel plumbing

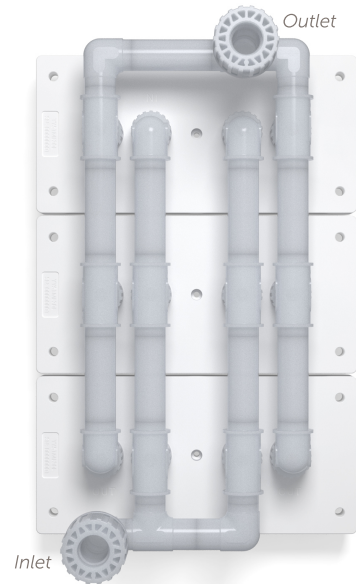


## DRAWINGS

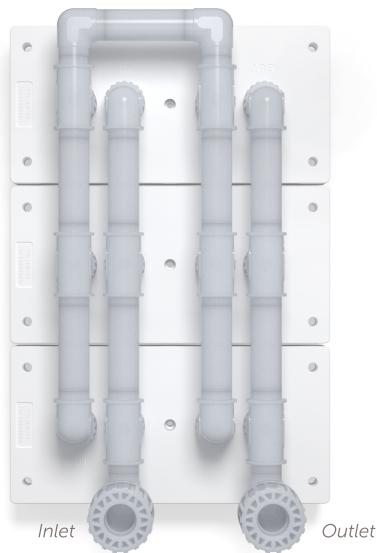
4-Up filter manifold with series plumbing



6-Up filter manifold with parallel plumbing



6-Up filter manifold with series plumbing



\*For 2-Up manifold, one base is required. For 4-Up manifold, two bases are required. For 6-Up manifold, three bases are required.

\*\*For parallel flow orientations, order two inlet/outlet plumbing sticks. For series flow orientations, order one flow through plumbing stick, and two inlet/outlet plumbing sticks.

## ORDERING INFORMATION

PART NUMBER	MANIFOLD CONFIGURATION	FLOW ORIENTATION	PLUMBING**
227-2137	6-Up	Parallel	Inlet
227-2138	6-Up	Parallel	Outlet
227-2139	6-Up	Series	Inlet/Outlet
227-2140	6-Up	Series	Flow through
227-2145	4-Up	Series	Flow through
227-2146	4-Up	Series	Inlet/Outlet
227-2147	4-Up	Parallel	Outlet
227-2148	4-Up	Parallel	Inlet
227-2149	2-Up	Series	Flow through
227-2150	2-Up	Series	Inlet/Outlet
227-2151	2-Up	Parallel	Outlet
227-2152	2-Up	Parallel	Inlet
YY51ML30L	Manifold base*	N/A	N/A

### FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit [entegris.com](http://entegris.com) and select the [Contact Us](#) link to find the customer service center nearest you.

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