

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

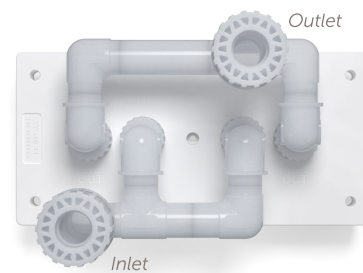
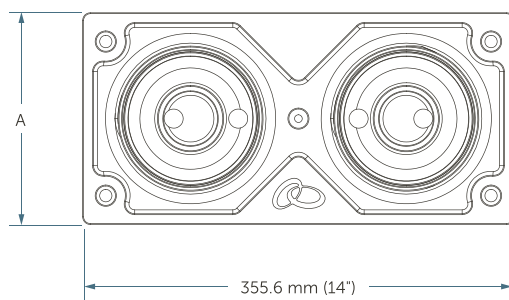
Manifold block design	<p>Allows for 2x cartridge filters to be constructed using solid PTFE materials of construction</p> <p>Reduces process chemistry contamination risk compared to custom stainless-steel designs</p>
Plumbing configurations with PrimeLock® connections	<p>Enables parallel or series filtration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

SPECIFICATIONS

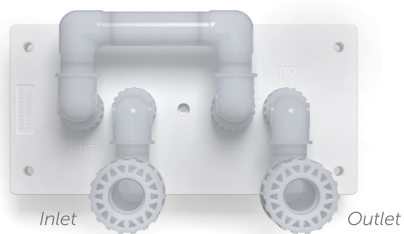
Materials	Chemlock manifold, integrated PrimeLock® fittings	PTFE
Operating conditions	Maximum inlet pressure	0.3 MPa (3.0 bar, 43 psi) @ 100°C (212°F)
		0.75 MPa (7.5 bar, 110 psi) @ 25°C (77°F)
	Maximum operating temperature	100°C (212°F)
Torque setting	Use torque specification for Chemlock bowl and O-ring selection	

DRAWINGS

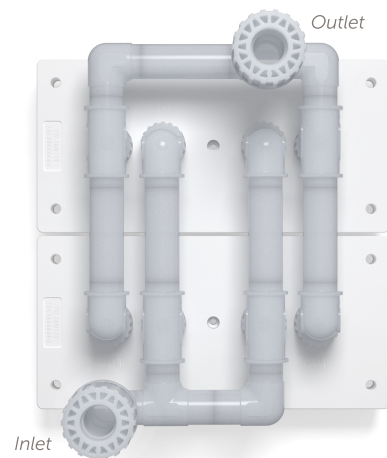
2-Up filter manifold with parallel plumbing



2-Up filter manifold with series plumbing

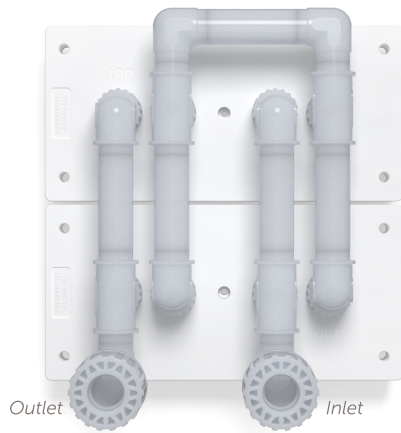


4-Up filter manifold with parallel plumbing

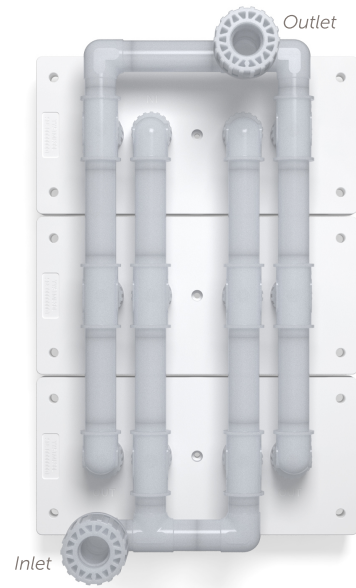


DRAWINGS

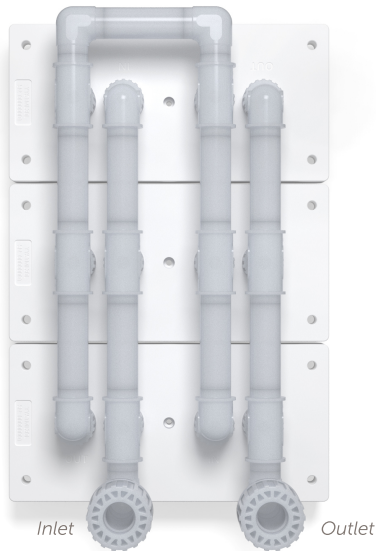
4-Up filter manifold with series plumbing



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

ORDERING INFORMATION

PART NUMBER	MANIFOLD CONFIGURATION	FLOW ORIENTATION	PLUMBING**
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](https://www.entegris.com) and select the [Contact Us](#) link to find the customer service center nearest you.

TERMS AND CONDITIONS OF SALE

All purchases are subject to Entegris' Terms and Conditions of Sale. To view and print this information, visit [entegris.com](https://www.entegris.com) and select the [Terms & Conditions](#) link in the footer.



Corporate Headquarters
129 Concord
Billerica, MA 01821
USA

Customer Service
Tel +1 952 556 4181
Fax +1 952 556 8022
Toll Free 800 394 4083

Entegris®, the Entegris Rings Design®, and other product names are trademarks of Entegris, Inc. as listed on [entegris.com/trademarks](https://www.entegris.com/trademarks). All third-party product names, logos, and company names are trademarks or registered trademarks of their respective owners. Use of them does not imply any affiliation, sponsorship, or endorsement by the trademark owner.

©2022 Entegris, Inc. | All rights reserved. | Printed in the USA | 4411-12259DSA-1222