



IMPACT[®] SR LHVD Disposable Filter

Rapid changeout, all Teflon[®] fluoropolymer filter for point-of-use filtration of aggressive solvents



The Solution for Filtration of Aggressive Solvents

Superior Design

- All Teflon fluoropolymer construction to ensure compatibility with aggressive solvents.
- Rapid filter changeout with minimal dripping: With NO tools and NO draining required, you can change the filter in less than 1 minute!
- Low holdup volume minimizes wasted chemicals.

Superior Performance

- The IMPACT SR LHVD disposable filters have been optimized for use with the IntelliGen photochemical dispense system to deliver the best filtration and dispense characteristics in the industry.

Superior Manufacturing

- Manufactured in a world-class, ISO 9001 Quality Systems Standard facility.
- Manufactured, tested, and packaged in a cleanroom to ensure product cleanliness.
- Each filter is 100% integrity tested prior to shipment.

Applications

- For use with the IntelliGen[®] photochemical dispense system and IMPACT[™] ST manifold.
- For small to mid-volume point of use aggressive solvent filtration applications.

Product Features

PTFE pleated membrane and PFA construction

Design optimized for use with the IntelliGen photochemical dispense system and IMPACT ST manifold

Self-contained, disposable design

Unique configuration of the housing and membrane

Small footprint, low holdup volume

Product Benefits

Provides maximum chemical compatibility. Can be used with all chemicals, including aromatics and ketone solvents

Rapid filter changeout and ease of use to maximize equipment uptime. (Prewetting may be required with fluids above 29 dynes/cm.)

Disposable design minimizes exposure to chemicals, providing improved user safety.

Ensures superior bubble venting and microbubble prevention to lower defects caused by bubbles and microbubbles.

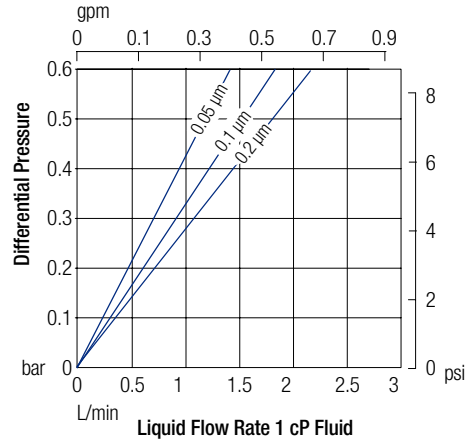
Low holdup volume reduces chemical waste, reducing cost, and reducing overall equipment COO.

IMPACT SR LHVD Disposable Filter - Ordering Information

Materials	Membrane: PTFE
	Supports, core, sleeve and shell: PFA
Dimensions	Height: 89.5 mm ± 1 mm Width: 71.5 mm ± 0.3 mm
Membrane Area	600 cm ² (93 in ²)
Holdup Volume	≤ 45 cc
Flow Rate@ 25° C 1.9 bar (28 psid, 0.2 kg/cm ²)	0.05 µm: 18.33 mL/sec 0.1 µm: 23.33 mL/sec 0.2 µm: 28.33 mL/sec
Maximum Operating Conditions	Maximum Inlet Pressure: 3.9 bar (56.6 psid, 4.0 kg/cm ²) @ 25° C
	Maximum Forward and Reverse Differential Pressure: 0.29 MPa (2.9 bar, 42 psi) @ 25° C
	Maximum Operating Temperature: 30° C
Compatibility	All photochemical solvents
Wettability	Prewetting should be considered with higher surface tension solvents such as NMP, cyclohexanone, GBL, EGMEA, ethyl lactate, and MMP

Ordering Information

Description	Pore Size	Part #
IMPACT SR LHVD filter	0.05 µm	ATFZ 000 01
IMPACT SR LHVD filter	0.1 µm	ATFV 000 01
IMPACT SR LHVD filter	0.2 µm	ATFG 000 01



For more information on this product's use in Photolithography applications, refer to "Publications: Photochemical Filtration" available on the Mykrolis web site.



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Find the latest catalog, data sheets, and technical briefs at
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