

# Impact<sup>®</sup> HV Filter

*Point-of-use filtration of high-viscosity (HV) fluids*

Impact<sup>®</sup> HV disposable filters provide compact, point-of-use filtration of high-viscosity chemicals and polyimide process fluids. These reliable filters incorporate a rugged UPE membrane, which reduces contamination, and enables consistent particle and microbubble retention. When used with an Optimizer<sup>®</sup> ST2 manifold and IntelliGen<sup>®</sup> HV two-stage dispense system, filter changeouts are faster and do not require tools or draining, and installations and retrofits are also much quicker and more cost effective.

## APPLICATIONS

- Point-of-use filtration of high-viscosity photochemicals and polyimide process fluids

*Provides good retention rate performance in 90 -180 nm retention nodes*

## FEATURES & BENEFITS

|                             |   |
|-----------------------------|---|
| <b>Rugged filter design</b> | Optimized for high-viscosity applications while maintaining a low pressure drop across the filter |
| <b>UPE membrane</b>         | Eliminates prewetting and flushing, which saves time and provides more consistent filtration      |
| <b>Disposable format</b>    | Can be used on the IntelliGen HV two-stage dispense system or as a standalone unit                |



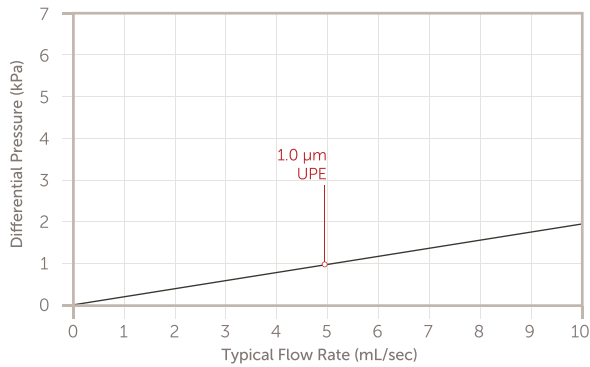
## SPECIFICATIONS

|                                       |   |  |
|---------------------------------------|---|--|
| <b>Materials</b>                      | Membrane                                      | UPE                                      |
|                                       | Supports, core, sleeve, shell                 | HDPE                                     |
|                                       | O-ring  | Kalrez® perfluoroelastomer               |
| <b>Membrane area</b>                  | 3400 cm <sup>2</sup> (3.66 ft <sup>2</sup> )  |  |
| <b>Maximum operating conditions</b>   | Maximum inlet pressure                        | 0.34 MPa (3.4 bar, 50 psi) @ 25°C (77°F) |
|                                       | Maximum forward/reverse differential pressure | 0.27 MPa (2.7 bar, 39 psi) @ 25°C (77°F) |
|                                       | Maximum operating temperature                 | 40°C (104°F)                             |
| <b>Retention rate</b>                 | 1.0 µm  |  |
| <b>Available manifold connections</b> | Standalone (Optimizer® ST2 manifold)          |  |

Entegris recommends that customers change filters at least annually to ensure optimal filtration performance. Routine annual changeout will also reduce the potential of chemical leakage that can result from excessive usage. Our standard warranty period is 1 year (from Entegris ship date).

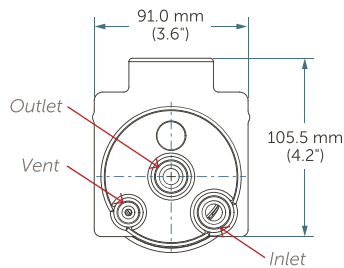
## PERFORMANCE DATA

### Impact HV Disposable Filters

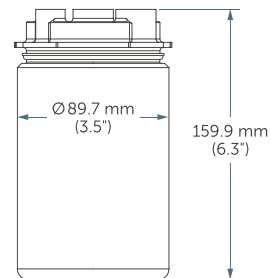


## DIMENSIONS

### Top View



### Side View



## ORDERING INFORMATION

| PART NUMBER | MEMBRANE/MEDIA | RETENTION RATING |
|-------------|----------------|------------------|
| AWAA0LKM1   | UPE            | 1 µm             |

#### 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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