

# Trinzik™ HCM Solvent, Dilute Acid, and Base Filters

*Improve chemical cleanliness using ultrapure, high-flow solvent, dilute acid, and base filtration*

Trinzik™ HCM filters are designed for high-flow solvent, dilute acid, and base filtration in semiconductor, data storage/hard disk drive, and flat panel display applications. Compared to conventional filter media, the advanced membrane design provides increased flow rate performance while enabling a high level of particle and contaminant protection.

## APPLICATIONS

- High-throughput chemical delivery and packaging systems
- High-turnover, recirculating filtration systems
- Ultrapure semi- or electronics grade chemical filtration, dilute acids, and bases

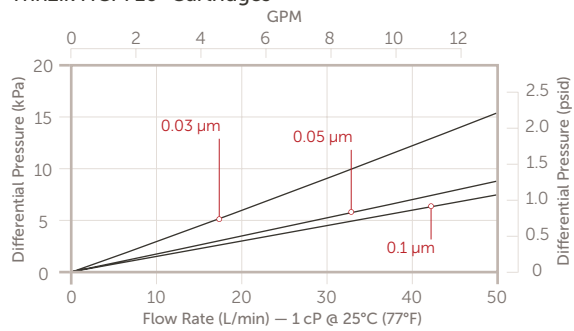
## FEATURES & BENEFITS

|   |  |
|---|--|
| <b>High-porosity, hydrophobic PTFE membrane</b> | Enables high flow rate performance and reduces operational costs |
| <b>Small pore size membrane design</b>          | Advanced particle removal increases yield                        |
| <b>Polypropylene (PP) construction</b>          | Lower extractables ensure clean filtration operations            |

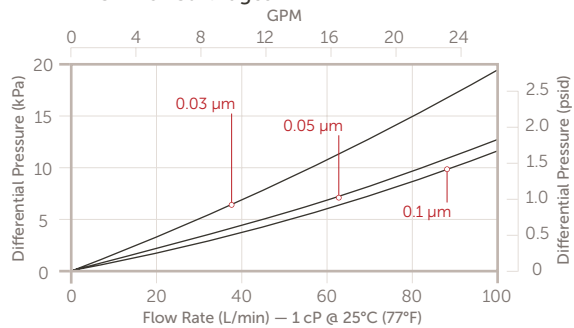


## PERFORMANCE DATA

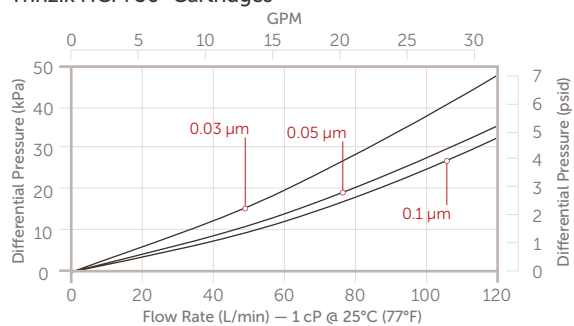
Trinzik HCM 10" Cartridges



Trinzik HCM 20" Cartridges



Trinzik HCM 30" Cartridges



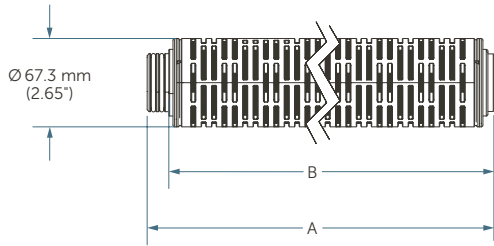
## SPECIFICATIONS

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|                                     |  |   |
|-------------------------------------|--|---|
| <b>Materials of construction</b>    | Membrane   | Hydrophobic PTFE  |
|                                     | Supports, core, sleeve   | Polypropylene (PP)  |
|                                     | O-ring   | Encapsulated FKM (E-FKM), encapsulated silicone (E-SIL), FKM, EPR |
| <b>Retention rating</b>             | 0.03 $\mu\text{m}$ , 0.05 $\mu\text{m}$ , 0.1 $\mu\text{m}$  |   |
| <b>Cartridge connections</b>        | Code 0 (222 Flat), Code 5 (222 Fin), Code 6 (226 Flat), Code 7 (226 Fin)   |   |
| <b>Maximum operating conditions</b> | Maximum forward differential pressure:<br>5.5 bar (80 psid) @ 25°C (77°F)<br>2.1 bar (30 psid) @ 60°C (140°F)<br><br>Maximum reverse differential pressure:<br>3.4 bar (50 psid) @ 25°C (77°F)<br><br>Maximum temperature:<br>60°C (140°F) |   |
| <b>Dimensions</b>                   | Length   | 10", 20", 30"   |
|                                     | Diameter   | 69 mm (2.7")  |

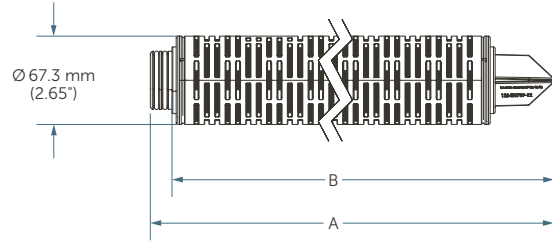
## DIMENSIONS

Code 0 - 222 Flat



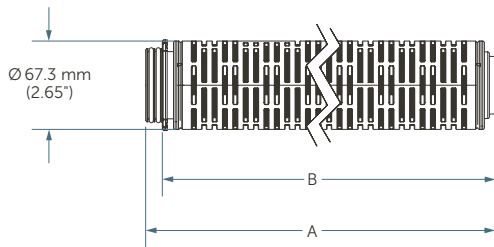
| Length | A                | B                |
|--------|------------------|------------------|
| 10"    | 276.1 mm (10.9") | 257.8 mm (10.2") |
| 20"    | 522.5 mm (20.6") | 504.2 mm (19.9") |
| 30"    | 766.3 mm (30.2") | 748 mm (29.5")   |

Code 5 - 222 Fin



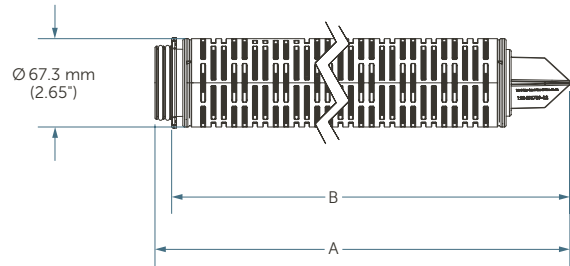
| Length | A                | B                |
|--------|------------------|------------------|
| 10"    | 315 mm (12.4")   | 298.5 mm (11.8") |
| 20"    | 561.3 mm (22.1") | 544.8 mm (21.5") |
| 30"    | 805.2 mm (31.7") | 788.7 mm (31.1") |

Code 6 - 226 Flat



| Length | A                | B                |
|--------|------------------|------------------|
| 10"    | 276.9 mm (10.9") | 265.4 mm (10.5") |
| 20"    | 523.2 mm (20.6") | 511.9 mm (20.2") |
| 30"    | 767.1 mm (30.2") | 755.7 mm (29.8") |

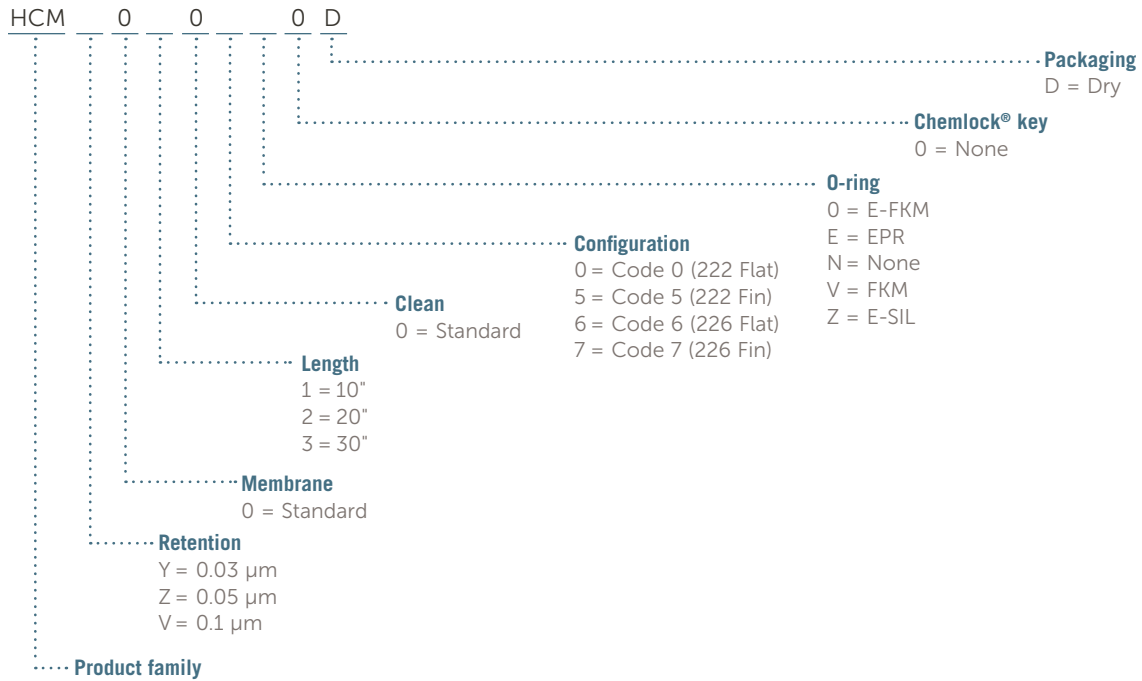
Code 7 - 226 Fin



| Length | A                | B                |
|--------|------------------|------------------|
| 10"    | 316.5 mm (12.5") | 306.1 mm (12.1") |
| 20"    | 562.9 mm (22.2") | 552.5 mm (21.8") |
| 30"    | 806.7 mm (31.8") | 796.3 mm (31.4") |

## ORDERING INFORMATION

Trinzik HCM Solvent, Dilute Acid, and Base Filters: part number



## FOR MORE INFORMATION

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