



# CHROMATOGRAPHIC SPECIALTIES INC.

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## CHROMSPEC™ UV Syringe Filter Specifications

### Materials of Construction

Housing: 100% homopolymer Polypropylene- no filling agents or release agents

Prefilter: Borosilicate glass 1 $\mu$ m

Effective Filtration Area

13 mm: 0.8 cm<sup>2</sup>

25 mm: 3.9 cm<sup>2</sup>

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### Sample Volume

13 mm: < 10 mL

25 mm: < 150 mL

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### Inlet/Outlet Connections

13 and 25 mm: Female luer lock inlet, male slip luer outlet

Typical Hold-Up Volume (with air purge)

13 mm: < 15  $\mu$ L

25 mm: < 125  $\mu$ L

25 mm prefilter: < 150  $\mu$ L

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### Maximum Operating Temperature

55 °C (131 °F) at 2.1 bar (210 kPa, 30 psi)

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### Maximum Operating Pressure

13 mm: 6.9 bar (690 kPa, 100 psi)

25 mm: 4.1 bar (410 kPa, 60 psi) at 21 - 24 °C (70 - 75 °F);

2.1 bar (210 kPa, 30 psi) at 55 °C (131 °F)

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### Typical Water Flow Rate with Nylon Membrane - mL/min at 2.1 bar (210 kPa, 30 psi)

13 mm, 0.22  $\mu$ m Nylon: 10

13 mm, 0.45  $\mu$ m Nylon: 15

25 mm, 0.22  $\mu$ m Nylon: 115; 0.45  $\mu$ m: 245

25 mm prefilter/0.45  $\mu$ m Nylon: 215

For more information, please contact our Technical Support Team at [tech@chromspec.com](mailto:tech@chromspec.com)