



Fluid Management Solutions, LLC

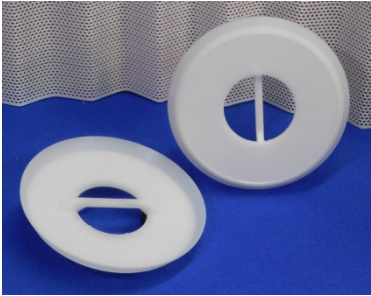
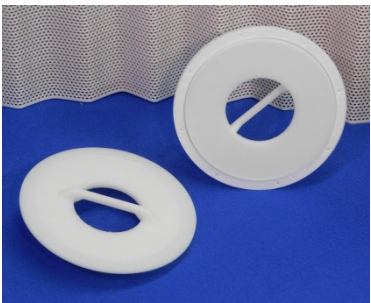
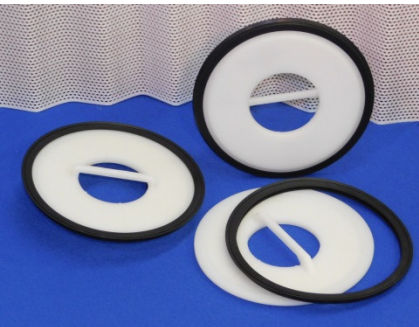
Injection Molding Filter Components

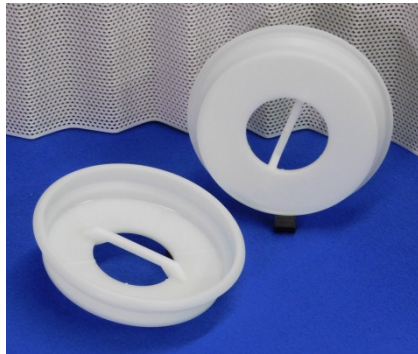
Our management and design team members draw from 35+ years of experience in molding plastics for the filter industry. We've created a myriad of solutions for injection molded bag rings, cartridge end caps, perforated (center cores) tubes, injection molded filter / pressure vessels, filter bag support baskets, and other filtration accessories. Now we're offering our pleated filter bag component solutions that we've developed for reliability (to support the thermal bonding assembly process), efficiency (reliable performance in the end users environment), and production efficiency (for cost effectiveness). We use prime grade molding resins in our standard molded products including:

- Polypropylene (co-polymer PP),
- Polyester (co-polymer, PE), and
- Polyamide (nylon 6/6).

Custom colors and other alternate resins are available upon request.

Samples are available upon request for verification of appropriateness to your assembly and end user application compatibility.

Injection Molding Components	Part Number, Description / Specifications
	<p>Pt# 4076-R1-PP, flared flange polypropylene top cap with integral handle.</p> <ul style="list-style-type: none"> • Working sealing diameter: 7.15" – 7.25" • Pleat pack / bag outer diameter: 6.00" – 6.15" • Center flow passage diameter: 2.82" <p>Also available:</p> <ul style="list-style-type: none"> • R1-V2, sealing diameter: 7.26" – 7.34"
 <p data-bbox="256 1465 643 1518">Shown with felt gasket sonic welded to the underside of the flange.</p>	<p>Pt# 4083-R2-PP, top hat style polypropylene top cap with integral handle.</p> <ul style="list-style-type: none"> • R2, Outer cap diameter: 7.12" • Pleat pack / bag outer diameter: 6.00" – 6.15" • Center flow passage diameter: 2.82" <p>Also available:</p> <ul style="list-style-type: none"> • R3, Outer cap diameter: 7.31" • RP, Outer cap diameter: 7.87" <p>Gasket is recommended to be installed after thermal bonding top cap to the pleat pack assembly.</p>
	<p>Pt# 4083-PM-PP, top hat polypropylene top cap with integral handle and with Buna rubber envelope seal.</p> <ul style="list-style-type: none"> • Working sealing diameter: 7.07" – 7.28" • Pleat pack / bag outer diameter: 6.00" – 6.15" • Center flow passage diameter: 2.82" <p>Gasket is recommended to be installed after thermal bonding top cap to the pleat pack assembly.</p>



Pt# 4077-FSI-PP, FSI style polypropylene top cap with integral handle.

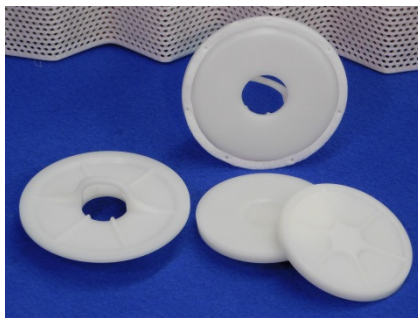
- Fits FSI style vessel seal ring,
- Pleat pack / bag outer diameter: 6.00" – 6.15"
- Center flow passage diameter: 2.82"



Pt# 4258-OR625-PP. 6¼" O-ring polypropylene top cap with integral handle.

- Working sealing diameter: 6.26" – 6.31"
- O-ring size: -435
- Pleat pack / bag outer diameter: 6.00" – 6.15"
- Center flow passage diameter: 2.82"

Other O-ring diameters are available upon request.



Pt# 4094-P9-R2-PP, top hat style polypropylene top cap with integral handle and companion flat bottom cap. Sold as a set.

- R2, Outer cap diameter: 5.48"
- Pleat pack / bag outer diameter: 4.00" – 4.15"
- Center flow passage diameter: 1.63"
- Bottom cap outer diameter: 4.34"

Shown with felt gasket sonic welded to the underside of the flange.

Gasket is recommended to be installed after thermal bonding top cap to the pleat pack assembly.

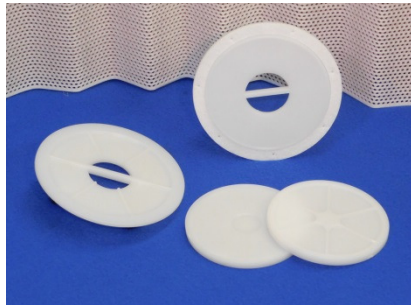


Pt# 4093-P4-R1-PP, flared flange polypropylene top cap with integral handle and companion flat bottom cap. Sold as a set.

- Working sealing diameter: 7.15" – 7.25"
- Pleat pack / bag outer diameter: 6.00" – 6.15"
- Center flow passage diameter: 2.82"

Also available:

- R1-V2, sealing diameter: 7.26" – 7.34"

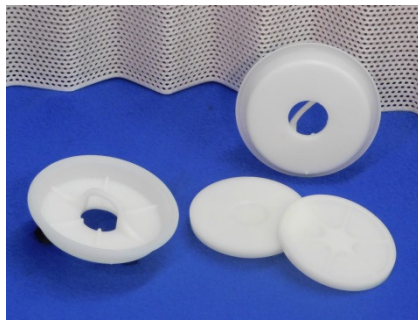


Shown with felt gasket sonic welded to the underside of the flange.

Pt# 4093-P4-R2-PP, top hat style polypropylene top cap with integral handle and companion flat bottom cap. Sold as a set.

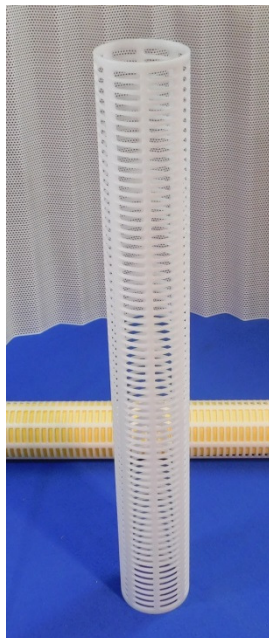
- R2, Outer cap diameter: 4.90"
- Pleat pack / bag outer diameter: 3.10" – 3.25"
- Center flow passage diameter: 1.13"
- Bottom cap outer diameter: 3.34"

Gasket is recommended to be installed after thermal bonding top cap to the pleat pack assembly.



Pt# 4093-P4-FSI-PP, flared flange polypropylene top cap with integral handle and companion flat bottom cap. Sold as a set.

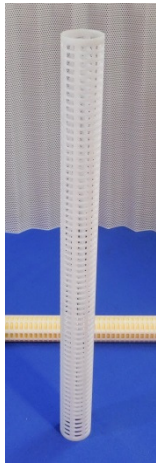
- Fits FSI style vessel seal ring.
- Pleat pack / bag outer diameter: 3.10" – 3.25"
- Center flow passage diameter: 1.13"



Pt# 4258-CC325-PP, perforated center core, polypropylene.

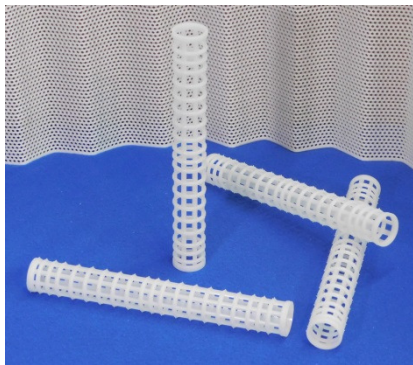
- 3.25" O.D. x 25.5" long
- .10" wall thickness.

All these components are available in polypropylene, polyester, or polyamide (nylon). To order these alternate resins, change the end suffix (shown within here as PP) to "PE" for polyester or PA for polyamide (nylon 6/6). Other resins may be available upon special request.



Pt# 4258-CC200-PP, perforated center core, polypropylene.

- 2.00" O.D. x 25.5" long
- .10" wall thickness.



Pt# 4223-CC127-PP, perforated center core, polypropylene.

- 1.279" O.D. x 9.562" long
&
- 1.279" O.D. x 9.875" long
- 1.093" I.D.
- .093" wall thickness.
- High-cavitation molding allows lower piece price.



Our manufacturing facility includes injection molding and is supported by a full service mold building division. In addition to building and maintaining our tooling we welcome the opportunity to produce plastic injection molded components for your application.

Disclaimer of Warranty: Fluid Management Solutions makes no statement of warranty, express or implied, as to the nature of the performance of these components, will not assume any liability for: The completeness of the information contained here; Or any consequential damages due to component failure in use. It is the user's responsibility to determine the suitability of these components to their end use environment and application. We will replace any product found to contain defects in material and / or workmanship.

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