



## Mini Profile® Capsule

Scaleable depth capsules with  
Profile or Profile Star cartridge filter

### Description

Pall Mini Profile capsules have been designed for small volume production and scale-up evaluation. These scaleable capsules are available in two cartridge filter types and complement and extend the range of depth filters available in the Pall UpScale<sup>SM</sup> series. They can be used for a wide range of applications including clarification of biological products.

Pall Profile II cartridge filters are all polypropylene depth filter elements, featuring tapered pores that narrow to an inner (downstream) absolute rated section. This thick depth structure provides high capacity for larger solids and gels as well as for fine particles.

Profile Star cartridge filters feature high area star-shaped pleat construction. The patented design combines the advantages of thick depth filters with those of traditional high area pleated filters.

### Pall's UpScale Program



From drug discovery and basic research, through process development and production, Pall Corporation is the single source for all of your filtration and separation needs. Our UpScale program provides you with the scaleable filtration products and support you need to bring new products to market faster.



### Features and Benefits

- Can be used in scale-up evaluation.
- Capsule format for ease of use.
- High capacity depth medium.
- Absolute particle rated for reliability.
- Low hold-up volumes.
- Broad chemical compatibilities.
- Optimized for viscous fluids.
- Excellent gel removal.
- Higher flows and throughputs.
- Easy to use self-venting format.
- Low extractables and low protein binding.
- Manufactured under clean conditions in a controlled environment.

## Materials of Construction

Medium	Polypropylene
Core, End Caps	Polypropylene
Housing	Polypropylene
13 mm Single Hose Barb Adapter	Acetal

## Connections (inlet/outlet)

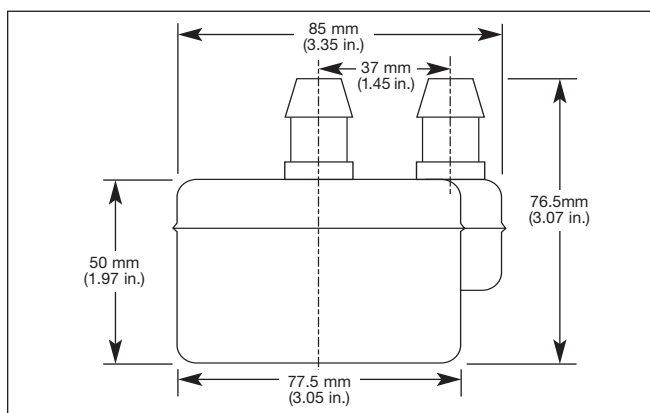
13 mm (9/16 inch) Hose Barb

## Filter Description†

PN 12070	Profile® Star filter: polypropylene filter media with 1.5 µm removal rating
PN 12071	Profile Star filter: polypropylene filter media with 3 µm removal rating
PN 12072	Profile Star filter: polypropylene filter media with 5 µm removal rating
PN 12073	Profile II filter: polypropylene filter media with 0.5 µm removal rating
PN 12074	Profile II filter: polypropylene filter media with 1 µm removal rating

† Absolute removal ratings (liquid), 99.98% by modified OSU-F2 Beta test. For further details, contact Pall Corporation.

## Dimensions



## Effective Filtration Area

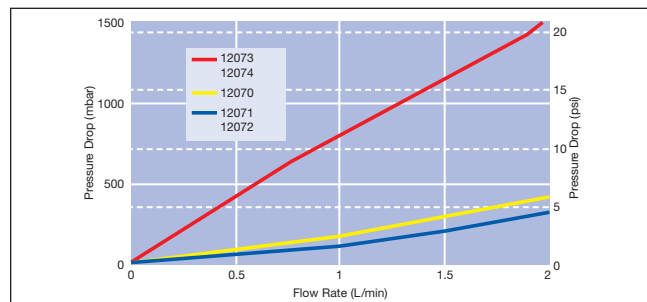
Profile II Filter	46 cm <sup>2</sup>
Profile Star Filter	90 cm <sup>2</sup>

## Maximum Accumulated Autoclave Time

Up to 125 °C (257 °F) 3 x 30 minutes

Warning: Mini Profile capsules must not be *in-situ* steam sterilized by passing steam through under pressure. The figures given are maximum allowable figures determined by testing under controlled laboratory conditions to the length of time indicated. Actual operating conditions may affect the filter's long term response to sterilization. Filters should be qualified for each process application.

## Typical Water Flow Rate††



†† For fluids at 1cP viscosity.

## Maximum Operating Pressure and Temperature†††

	Temperature	Maximum Differential Pressure
Profile II filter	30 °C (86 °F)	4.1 bard (60 psid)
	50 °C (122 °F)	3.4 bard (50 psid)
Profile Star filter	50 °C (122 °F)	5.0 bard (75 psid)

††† In compatible fluids. Fluids which do not adversely affect the filter or materials of construction.

## Specifications and availability

Product availability may be subject to change without notice. All specifications are nominal. This literature was reviewed for accuracy at the time of publication. For current information on the products and test methodologies, consult your local Pall office or distributor.

## Ordering Information

Product No.	Description	Removal Rating	Packaging
12070	Mini Profile capsule with Profile Star filter	1.5 µm	3/pkg
12071	Mini Profile capsule with Profile Star filter	3 µm	3/pkg
12072	Mini Profile capsule with Profile Star filter	5 µm	3/pkg

Product No.	Description	Removal Rating	Packaging
12073	Mini Profile capsule with Profile II filter	0.5 µm	3/pkg
12074	Mini Profile capsule with Profile II filter	1 µm	3/pkg



Life Sciences

Pall Life Sciences  
600 South Wagner Road  
Ann Arbor, MI 48103-9019 USA

800.521.1520 toll free in USA  
734.665.0651 phone  
734.913.6114 fax



Pall has the most comprehensive family of scaleable filtration and separation products.

**Australia** – Lane Cove, NSW  
Tel: 02 9428-2333  
1800 635-082 (in Australia)  
Fax: 02 9428-5610

**Austria** – Wien  
Tel: 043-1-49 192-0  
Fax: 0043-1-49 192-400

**Canada** – Ontario  
Tel: 905-542-0330  
800-263-5910 (in Canada)  
Fax: 905-542-0331

**Canada** – Québec  
Tel: 514-332-7255  
800-435-6268 (in Canada)  
Fax: 514-332-0996

**China** – P. R., Beijing  
Tel: 86-10-8458 4010  
Fax: 86-10-8458 4001

**France** – St. Germain-en-Laye  
Tel: 01 30 61 39 92  
Fax: 01 30 61 58 01  
Lab-FR@pall.com

**Germany** – Dreieich  
Tel: 06103-307 333  
Fax: 06103-307 399  
Lab-DE@pall.com

**India** – Mumbai  
Tel: 91-22-5956050  
Fax: 91-22-5956051

**Ireland** – Co. Dublin  
Tel: 01-2846177  
Fax: 01-2807739

**Italy** – Milano  
Tel: 02-47796-1  
Fax: 02-47796-394  
or 02-41-22-985

**Japan** – Tokyo  
Tel: 3-3495-8319  
Fax: 3-3495-5397

**Korea** – Seoul  
Tel: 2-569-9161  
Fax: 2-569-9092

**Poland** – Warszawa  
Tel/Fax: 22-835 83 83

**Russia** – Moscow  
Tel: 095 787-76-14  
Fax: 095 787-76-15

**Singapore**  
Tel: (65) 389-6500  
Fax: (65) 389-6501

**Spain** – Madrid  
Tel: 91-657-9876  
Fax: 91-657-9836

**Sweden** – Lund  
Tel: +46 (0)46 158400  
Fax: +46 (0)46 320781

**Switzerland** – Basel  
Tel: 061-638 39 00  
Fax: 061-638 39 40

**Taiwan** – Taipei  
Tel: 2-2545-5991  
Fax: 2-2545-5990

**United Kingdom** – Portsmouth  
Tel: 023 92 302600  
Fax: 023 92 302601  
Lab-UK@pall.com

Visit us on the Web at [www.pall.com/lab](http://www.pall.com/lab)

E-mail us at [Lab@pall.com](mailto:Lab@pall.com)

Because of developments in technology, these data or procedures may be subject to change. Consequently we advise users to review their continuing validity annually. ©, Pall, and Profile are trademarks of Pall Corporation. ® indicates a registered trademark in the USA. Filtration. Separation. Solution. and UpScale are service marks of Pall Corporation.