

I.W. Tremont

Technical and Specialty Papers
ISO 9001:2015 Registered

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Venting and Filtering Thin-Line Filter Units

Primary Attributes: Thin profile, light weight Polypropylene filter units, 50mm inline configuration with various filtration media

Filtration area: 20.0cm²

Hose Barbs: 5-15mm stepped, ID 4mm (consistent with syringe slip port OD)

A unique series of economical and reliable in-line filtration units ideally suited for venting applications and filtration of fluidic volumes too large for syringe filters. Transparent inlet side allows a visual indication of filter loading.

These filter units are ultrasonically welded and can withstand light duty vacuum (<70cmHg) or positive pressure (50psi).

Typical applications are:

- Venting of carboys, stir bottles and reservoir tanks
- Venting of bio reactors low pressure reactor flasks
- Vacuum or positive pressure filtration applications
- Tank to smaller vessel transfers
- Filtration of media or broth
- 30% of the cost of heavy duty overmolded designs
- Very low backpressure with even wetting and linear flow rates

Benefits:

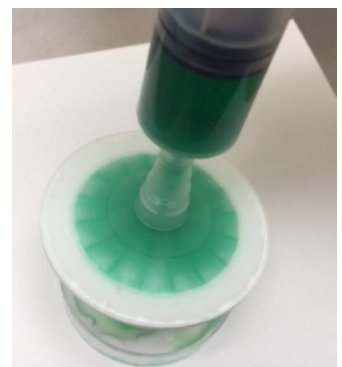
- Highly chemical resistant polypropylene housing
- Very low extractables commonly known to causing background noise for analysis applications
- Ultrasonically welded with no use of adhesives or solvents
- No pigment or dyes used in PP resin, pure virgin material
- Many versions available with and without pre-filter
- Hydrophilic or Hydrophobic versions available
- Identically matches filter media available from Tremont in other formats
- Made in the USA and QA tested using a 12 point pre and post manufactured methodology

The unit is operated with the clear side as inlet and white side as outlet. The unit may be connected inline via the stepped barbs or via a standard slip port syringe filter inserted into clear side step barb.

Available configurations – next page.



*The light weight construction will not kink most vent tubing, a commonly missed issue causing failed reactions or low yield incubations**



Compatible with most slip-port style syringe barrels allowing use as a high volume syringe filter.

This is an introductory list, please check back often for newly developed versions.

Also, OEM and custom manufacturing capabilities available with very low MOQ and short lead times.

TL-0550	Nano-Scale glass microfiber Grade A83 @ 0.4µm, 10/pk
TL-0551	Borosilicate glass microfiber Grade F @ 0.7µm, 10/pk
TL-0552	Borosilicate glass microfiber Grade B @ 1.0µm, 10/pk
TL-0553	Borosilicate glass microfiber Grade TSS @ 1.5µm, 10/pk
TL-0554	Borosilicate glass microfiber Grade VSS® @ 1.5µm, 10/pk
TL-0555	Borosilicate glass microfiber Grade D @ 2.7µm, 10/pk
TL-0570	Nylon membrane, hydrophilic @ 0.45µm, 10/pk
TL-0571	PTFE membrane, hydrophobic @ 0.45µm, 10/pk
TL-0572	UHMWPE membrane, highly hydrophobic @ 0.22µm, 10/pk
TL-0585	High purity CA fibrous depth media, hydrophilic, 1.0 µm, high protein binding for Cell Culture media, Serum, Molecular biology solutions, easily reverse flow for protein recoveries, 10/pk
LMNQ-0500	50mm Low metals Quartz prefilter, 0.45µm Nylon membrane, 2/pk
LMNQ-0501-HT	50mm Very Low metals Quartz prefilter, 0.45µm Nylon membrane, 2/pk
LMNQ-0510	50mm Low metals Quartz prefilter, 0.45µm Nylon membrane, 20/pk
LMNQ-0511	50mm Low metals Quartz prefilter, 0.45µm Nylon membrane, 50/pk
LMNQ-0520-HT	50mm Very Low metals Quartz prefilter, 0.45µm Nylon membrane, 20/pk
LMNQ-0521-HT	50mm Very Low metals Quartz prefilter, 0.45µm Nylon membrane, 50/pk

This filter unit demonstrates excellent lot-to-lot reproducibility and are verified against a standard using analysis techniques such as GC, TGA & DSC. Manufactured in the USA.

All technical data provided accurate at time of print and subject to change without notice.

**Tygon® R6303 is recommended for kink avoidance in pictured application. Guarantee of tubing stiffness is not implied. An unsupported vent tube length of no more than 12cm is recommended. Testing of support is recommended.*

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