

**Gyrosep : solvent resistant stirred filtration cells / Intersep Filtration Systems.**

**Contributors**

Intersep Filtration Systems.

**Publication/Creation**

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## *Gyrosep™*

Solvent Resistant Stirred  
Filtration Cells



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## Gyrosep™ 300 Stirred Cell

A superior quality stirred cell constructed from highly resistant materials. Designed to offer a rapid and efficient system for sample concentration and purification. For use with the comprehensive Nadir® range of ultrafiltration membranes.

### Principle

The process solution is held in a pressurised cell above an ultrafiltration or microfiltration membrane. Solvent and solutes smaller than the membrane pore size pass through the membrane; molecules of a greater size are retained and concentrated in the cell. Gentle stirring controls local concentration (polarisation) above the membrane.

### Applications

- General laboratory ultrafiltration.
- Concentration / recovery of enzymes, antibodies, growth factors or other proteins.
- Desalting, buffer / solvent exchange, diafiltration.
- Pyrogen removal.
- Removal of macromolecules.
- Phage / virus removal / concentration.

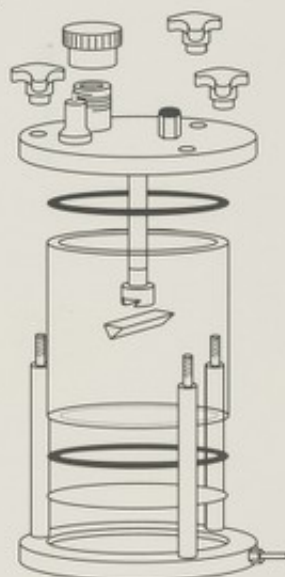
### Features

- 316L stainless steel & borosilicate glass give **high temperature & chemical resistance**.
- **Easy sterilisation** by autoclave (even with membrane in place), liquid or gas.
- Wide based, **stable design**.
- Shallow holder for **easy membrane insertion & removal**.
- **Full range of Nadir® Ultrafiltration Membranes**.
- **Very low hold-up** volume.
- Shaped PTFE stirrer allowing **maximum filtration efficiency** with minimum shear force.
- **Ultrafiltration of organic solvents** possible with Nadir® Polyamide Membrane.
- **Integral pressure valve** offers additional safety.

### Specifications

Height	165 mm	Cell capacity	300ml
Base Diameter	110 mm	Min Process Vol.	5ml
Max. Hold-up Vol.	1ml	Max. Pressure	6 bar
Membrane Diam.	76 mm	Membrane Type	UF/MF available
Base/ Top Plate	316L S/S	Glass Cylinder	Borosilicate Glass
Stir Bar Coating	PTFE	O Ring	Fluorocarbon Rubber
Cleaning	By autoclave (membrane in place), gas or liquid methods		
Other cell sizes available upon request.			

Gyrosep™ 300  
Stirred Cell



### Ordering Information

Item	Order No.	Includes
Gyrosep™ 300	09000076	Stirred cell complete with pressure lines, O rings, filtrate tubing & filling funnel.
See Data Sheet IS21 for details of all Nadir® Membranes		

#### Distributed by:

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