

## MICRO PH.I.S.I.O.

The LivaNova PTS Solution  
for Adult Arterial Filters



*Micro 27 micro 40 for adult LivaNova / PTS*

PH.I.S.I.O.



Although arterial filtration is widely recognised as being essential during cardiopulmonary bypass, and is strongly supported by a great deal of scientific literature, there is still considerable debate regarding the size of micropores. Micro series gives you the choice of the pore size: 27 and 40 micron(s) for your Adult Ph.I.S.I.O. coated customized circuits.

### Easy debubbling

With conventional filters the most difficult bubbles to remove are those trapped under the upper potting. In the Micro series of filters, the polyurethane seal follows each pleat, allowing efficient debubbling.

### High Visibility

The filter is totally clear.  
No bubble will remain undetected.

### Safe against macro air

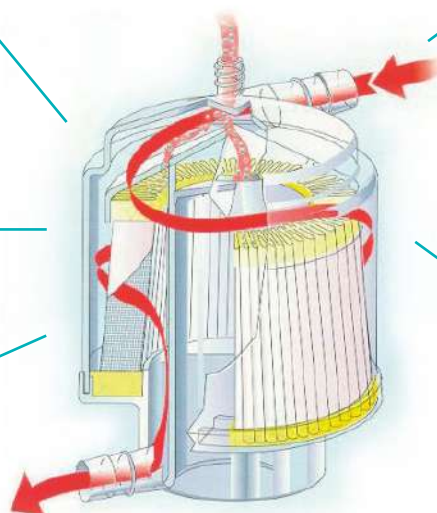
The high inlet/outlet volume ratio prolongs the reaction time. The filter allows air to pass through it only when it is dry. This means that the higher the inlet volume, the longer the filter will remain wet.

### Effective micro air removal

The sudden reduction of blood velocity at the upper portion of the filter, combined with the orientation of the inlet connectors, allows microbubbles to rise easily to the top of the filter. The large filter area assures effective filtration, resulting in a low pressure drop and consequently a low incidence of blood damage.

### Biocompatibility

Ph.I.S.I.O. coating assures high biocompatibility. Therefore both versions of adult MICRO filters (27 and 40 micron) are available PC coated for PTS configurations totally biocompatible.



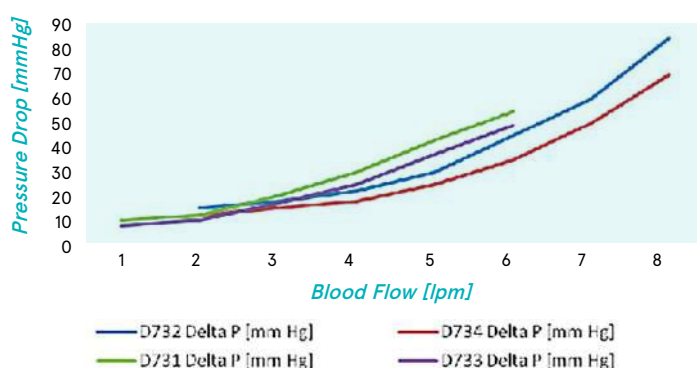
PH.I.S.I.O.



### D 713 HOLDER FOR MICRO

The holder is supplied with a separate adjustable arm. This extension allows a 360° rotation for efficient debubbling. By using the adaptor code 5016 it is possible to convert the D 713 into D 624 to fix the filter itself.

### Pressure drop Vs Blood flow rate Bovine Blood, Ht=33%, temperature 37°C



### Order Guide

| Product Description                                    | Pore size (µm) | Max Blood Flow Rate (LPM) | Priming Volume Recovered (ml) | Filter Surface Area (cm²) | Inlet-Outlet Connectors (inches) | Catalogue number |
|--------------------------------------------------------|----------------|---------------------------|-------------------------------|---------------------------|----------------------------------|------------------|
| D732 Micro 27 Ph.I.S.I.O. - Not Sterile, for PTS Usage | 27             | 8                         | 195                           | 655                       | 3/8"                             | 050517           |
| D734 Micro 40 Ph.I.S.I.O. - Not Sterile, for PTS Usage | 40             | 8                         | 195                           | 655                       | 3/8"                             | 03382            |
| D731 Micro 27 Ph.I.S.I.O. - Not Sterile, for PTS Usage | 27             | 6                         | 100                           | 340                       | 3/8"                             | 050526           |
| D733 Micro 40 Ph.I.S.I.O. - Not Sterile, for PTS Usage | 40             | 6                         | 100                           | 340                       | 3/8"                             | 03387            |
| D713 Holder for Adult Filters                          |                |                           |                               |                           |                                  | 05070            |

[www.livanova.com](http://www.livanova.com)



The LivaNova Group Italia Quality System complies with:  
EN ISO 13485:2012

CE 0123 According to Annex II (Full Quality System) of  
MDD 93/42/EEC as amended by directive 2007/47/EEC



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