

# MICRO

New born, paediatric, adult arterial filters  
and bubble traps





# DIDECO ARTERIAL FILTERS

## MICRO 27 MICRO 40 MICROTRAP ... a wide choice

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. Dideco Micro series gives you the choice of the pore size: 27, 40 and 120 micron, for your Adult, Paediatric and Infant patients.

### The adult and paediatric arterial filters

#### Easy debubbling

With conventional filters the most difficult bubbles to remove are those trapped under the upper potting. In the Dideco 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.

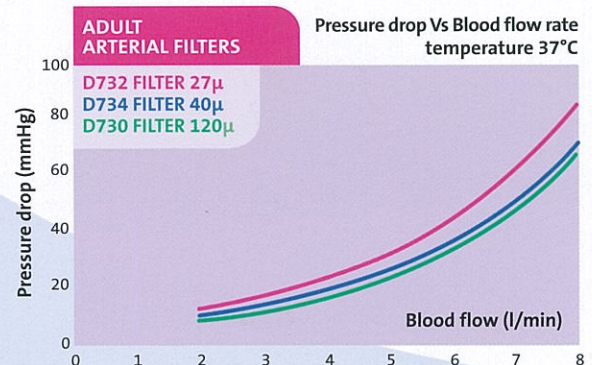
#### Biocompatibility



Ph.I.S.I.O. coating assures high biocompatibility.

Therefore pediatric and adult versions of 27 micron filters are available PC coated for PTS totally biocompatible configurations.

### Pressure drop graphics







The new born arterial filter has been developed in order to achieve the best performances in terms of safety, easy set up and priming volume. It has been designed to complement our Lilliput oxygenator to allow you to produce the very best neonatal perfusion circuit.

## The new born and infant arterial filters

### Extremely low priming volume

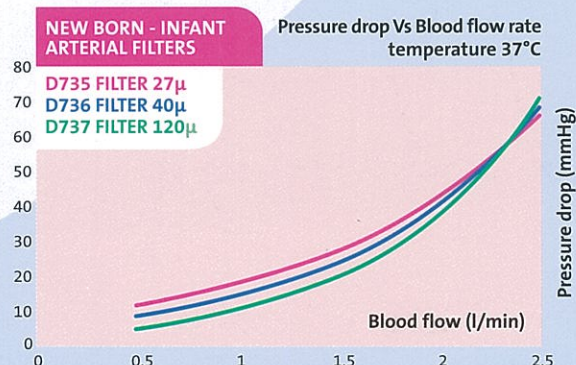
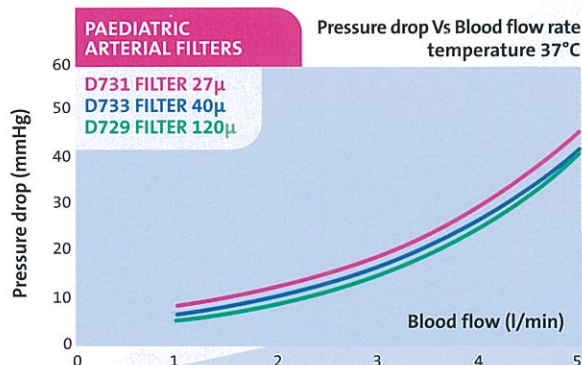
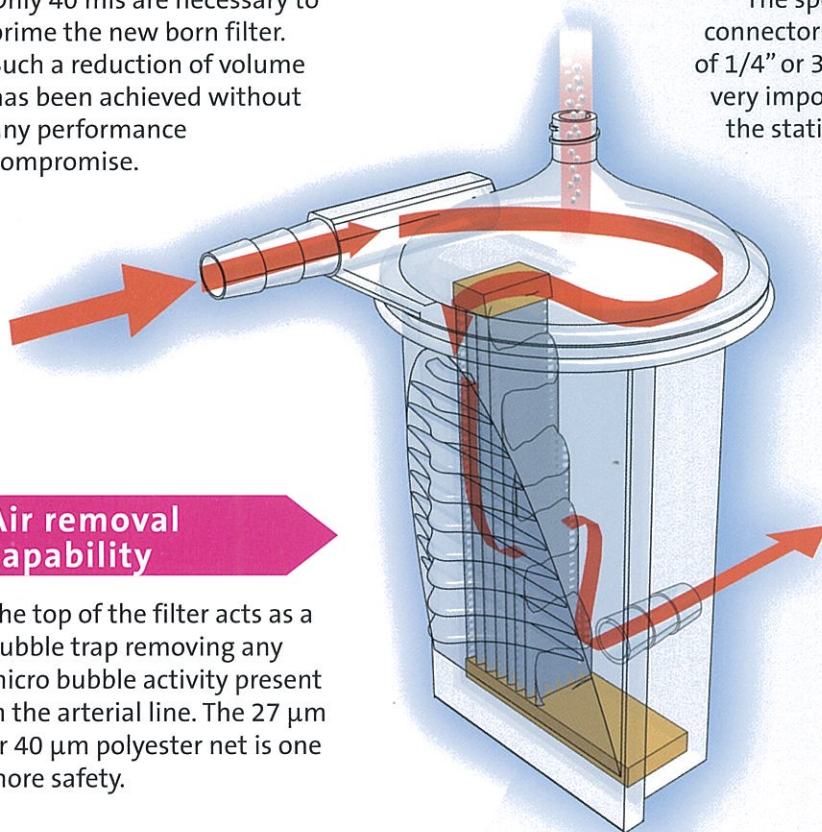
Only 40 mls are necessary to prime the new born filter. Such a reduction of volume has been achieved without any performance compromise.

### Dedicated inlet and outlet connectors

The specific shape of the connectors enabling the use of 1/4" or 3/16" tubing size is very important for reducing the static priming volume.

### Air removal capability

The top of the filter acts as a bubble trap removing any micro bubble activity present in the arterial line. The 27  $\mu$ m or 40  $\mu$ m polyester net is one more safety.





## HOLDER

### D 713 Holder for Micro

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



### D 624 Holder for Micro New Born

This holder has been made light and flexible in order to allow the right positioning of the filter in your circuit. A specific clamp allows filter rotation to meet the tubing set in the most convenient direction.



## ORDER GUIDE

Specification	Pore Size micron	Max Blood Flow Rate LPM	Priming Volume mls	Filter Surface Area Sq.cm	Inlet-Outlet Connectors inches	Code
D 732 Micro 27 A	27	7	195	655	3/8"	05342
D 734 Micro 40 A	40	7	195	655	3/8"	05343
D 730 Micro TRAP A	120	7	205	105	3/8"	05345
D 731 Micro 27 P	27	5	100	300	3/8"	05340
D 733 Micro 40 P	40	5	100	300	3/8"	05341
D 729 Micro TRAP P	120	5	115	48	3/8"	05344
D 735 Micro 27 I-NEW BORN	27	2,5	40	140	3/16"-1/4"	05367
D 736 Micro 40 I-NEW BORN	40	2,5	40	140	3/16"-1/4"	05368
D 737 Micro TRAP I-NEW BORN	120	2,5	40	30	3/16"-1/4"	05369
D 713 Holder for adult-paediatric filter type						05070
D 624 Holder for new born-infant filter type						05015
Adaptor for new born-infant filter type						05016

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