

37 mm Monitors for Microbial and Contamination Analysis

These 37 mm monitor units are disposable filter units which consists of a transparent plastic container in which a Mixed Cellulose Ester membrane and an absorption pad/support disc are assembled together.

Monitors are mainly used for microbiological inspection of gases and liquids. There are two types available, 2-piece and 3-piece units in which 0.45 µm or 0.80 µm membranes are placed together with a pad. 2-piece units are available with membranes with a hydrophobic edge to prevent air locks.

Collected samples can be cultured in place or be removed for further analysis or study.



Applications – Recommended product

Application	Unit	Membrane
Microbiology – bacterial	2- or 3-piece	0.45 µm, white grid or black grid
Microbiology – yeast and mold	3-piece	0.80 µm, white grid or black grid
Aerosol analysis	3-piece	0.80 µm, white plain
Contamination analysis	2- or 3-piece	0.45 µm or 0.80 µm, white plain or grid

Specifications

Monitor Type	2-piece	3-piece
Housing	Styrene acrylonitrile	
Membrane	Mixed cellulose ester	
Support Pad	Pure cotton cellulose	
Internal dimensions	Ø 34 x 9 mm	Ø 34 x 18 mm
External dimensions	Ø 42 x 29 mm	Ø 42 x 39 mm
Filtration area	9.0 cm ² (6.7 cm ² for HE* types)	
Internal volume	8 ml	16 ml
Max. operating temperature	45°C	

* HE = Hydrophobic Edge

Ordering Information

2-piece Monitors

Pore size [μm]	Membrane Color	Surface	Packing	Sterile	Sterile-HE
0.45	White	Grid	50	37AS245BS	37AS245BS-HE
0.45	Black	Grid	50	-	37AS245PS-HE

3-piece Monitors

Pore size [μm]	Membrane Color	Surface	Packing	Sterile	Non sterile
0.45	White	Grid	50	37AS345BS	-
0.45	Black	Grid	50	37AS345PS	-
0.80	White	Grid	50	37AS380BS	-
0.80	White	Plain	50	-	37AS380AN

Optional and Replacement Parts

Type description	Packing	Cat. No.
Unassembled 2-piece with plugs	50	37OS200ON
Unassembled 3-piece with plugs	50	37OS300ON
Middle ring for 3-piece	50	37OS300MR
Absorbent pads/Support disc	100	M-085