QUALIKAP QKP-C



- Positive Zeta potential
- Exhanced endotoxins retention
- Easy integrity testable in situ
- Repeatedly steamable in autoclave
- Thermowelded construction
- EC-listed materials for Food contact
- FDA-listed materials per CFR21

QUALIKAP QKP-C capsules are specifically designed to use the positive charged nylon 6,6 membrane . QUALIKAP QKP-C greatly interacts with the negative particles contained in the liquid in order to withholds particles smaller than the pore size. QUALIKAP QKP-C have proven to hold a great quantity of submicron particles and endotoxins.
QUALIKAP QKP-C are designed to guarantee high quality standard and results in Pharma and medical critical applications. Manufacturing is completed in a controlled environment; each filter is subject to specific tests before delivery.

MATERIALS OF CONSTRUCTION

Membrane	Positive charged nylon 6,6
Upstream drainage layers	Polyester
Downstream drainage layers	Polyester
Core and Cage	Polypropylene
Cartridge ends	Polyester
Outer Shell	Polypropylene

FOOD-SAFETY

QUALIKAP-QKP-C capsules meet (EU) regulation 10/2011 and its subsequent amendments and regulations (EC) 1935/2004 and 1895/2005.

BIO-SAFETY AND EXTRACTABLES

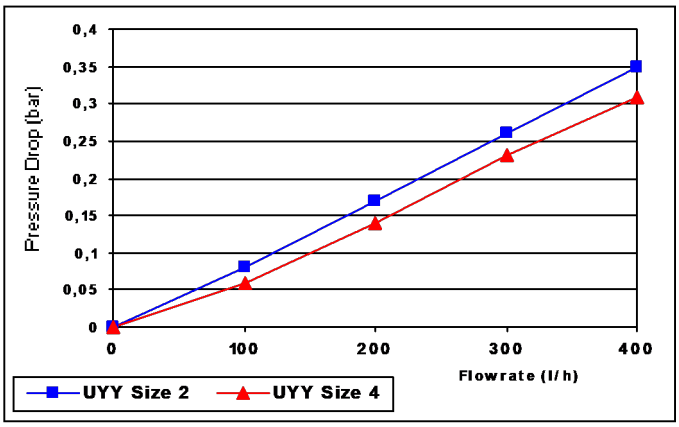
- Materials are compliant to USP-VI CLASS toxicological requirements and USP-Plastic Materials chemical and physical requirements.
- Capsule filters meet USP "Water for injection" requirements for endotoxin and particle release.
- TOC and conductibility according USP "Purified water" and "Water for Injection" requirements.

RECOMMENDED OPERATING CONDITIONS

- steam sterilization	6 hours at 135 °C / 13 hours at 125 °C / 15 hours at 121 ° C
- max. pressure	5 bar at 40 °C
- chemical sanitization	compatible with a wide range of sanitizers
- forward flow max. differential pressure	4,5 bar at 40 °C
- reverse flow max. differential pressure	1,0 bar at 40 °C
- recommended pressure drop for changeover	2,0 bar at 40 °C
- in situ recommended flushing volume	1 liter for size 2 / 2 liters for size 4

CODE	ABSOLUTE FILTRATION GRADE IN LIQUIDS	BACTERIAL REDUCTION CHARGE >10^7 CFU/cm^2 *	ACCEPTANCE LIMIT FOR DIFFUSION TEST (ml/min) @ 2,1 bar
UYY	0,2 µm double membrane	Brevundimonas Diminuta	≤ 8.0 for size 2 ≤ 16,0 for size 4
* according ASTM F838			
ENDOTOXINS RETENTION 120 l/h flow rate for 5" capsules 250 l/h flow rate for 10" capsules		efficiency > 99,994 % GM	

WATER FLOW RATE CHARTS



QUALIKAP QKP-C ORDERING INFORMATION

QKP - C - 2 S - X E UYY - PH

OUTER SHELL	CODE
Polypropylene	**P**

MEMBRANE FILTER	CODE
Charged nylon membrane filter	**C**

NOMINAL LENGHT	CODE
175 mm	**2**
287 mm	**4**

Vent-Draining valve—O Rings	CODE
Silicone	**S**

TERMINALS FILTER ELEMENT	CODE
Polyester	**E**

FILTRATION GRADE micron	CODE
0,2 double membrane	**UYY**

CODE	PRODUCT GRADE
PH	Fluxed and tested with apirogen water , Quality certificate in the box

- Max diameter (valves included): 117 mm
- Tri-clamp connections 1 1/2”

The data are informative and subject to change without notice. User is responsible for determining whether the product is fit for particular purpose and suitable for User’s method of application.

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