

## CANDEFILT - HPV

### Depth pre-filtration cartridge for wine and beverages filtration

CANDEFILT – HPV are depth type pre-filter cartridges integrally made in POLYPROPYLENE, ideal for WINE filtration. The filter media is made by winding around the internal core polypropylene filter layers with a decreasing porosity from the outer to inner side, assuring high holding capacity. The manufacturing is implemented in CLEAN ROOM, class 10.000 (M4) according to cGMP guidelines to assure filter elements of high quality. The construction materials are chemically and biologically inert according to F.D.A. and E.E.C. directives.

#### CONSTRUCTION MATERIALS

Filter Media:	polypropylene
Core:	polypropylene
Cage:	polypropylene
End Caps:	polypropylene

#### SEALING METHODS

End Caps:	thermowelding
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#### DIMENSIONS

The external diameter for each CANDEFILT-HPV filter cartridge is 70 mm.

#### OPERATING SPECIFICATIONS

-max. continuous temperature:	65°C
-steam sterilization cumulative time:	More than 50h at 121°C ± 2°C
- chemical sanitization:	can be regularly sanitized by chemical agents

FILTRATION RATING		RECOMMENDET WINE FLOW RATE FOR 10''
FILTRATION CODE	FILTRATION RATING	l/h ( $\Delta p=0,1$ bar)
05	0, 5 $\mu\text{m}$	150
10	1 $\mu\text{m}$	200
30	3 $\mu\text{m}$	200
50	5 $\mu\text{m}$	300

#### GLOBAL MIGRATION TEST

CANDEFILT-HPV cartridges meet the European Directives 82/711/EEC, 85/572/EEC, 90/128/EEC, 92/39/EEC, 93/8/EEC, 200/72/EC, 200/72/EC, 2004/19/EC.



## BACTERIAL RETENTION

CANDEFILT-HPV filter cartridges assure the retention of the microorganisms reported in the table (for 10' cartridge).

FILTRATION CODE	PORE SIZE (µm)	MIKROORGANISMS USED FOR MICROBIOLOGICAL TEST
05	0,5	$\geq 10^8$ Saccharomyces cerevisiae in liquid
10	1	$\geq 10^8$ Saccharomyces cerevisiae in liquid
30	3	$\geq 10^7$ Saccharomyces cerevisiae in liquid

CANDEFILT - HPV ordering instruction:

HPV	>porosity<	>adapter<	>length<	>o-ring<
	<b>05</b> > 0, 5 µm	<b>BS</b> > 226	<b>10</b> > 10"	<b>S</b> > silicone
	<b>10</b> > 1 µm	<b>S</b> > 222	<b>20</b> > 20"	
		<b>F</b> > 222 flat	<b>30</b> > 30"	
			<b>40</b> > 40"	

Example:  
HPV 05 BS 30 S

