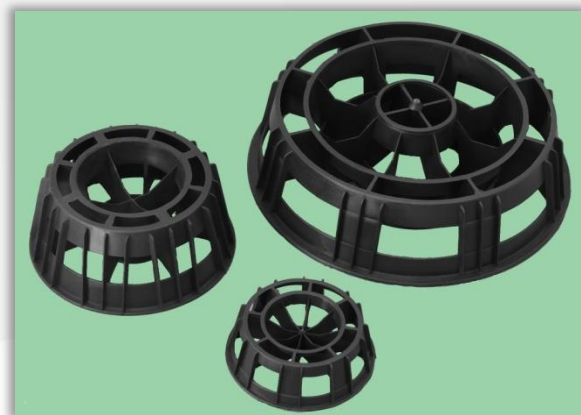




# Cascade

Cascade Random fill media in PP are obtained from injection molding .On request they can be produced in special polymers. This possibility to choose different polymers allow its use with different working temperatures and to fit to specific chemicals treatments.

The Cascade family range is composed by many models which are distinguished by the others according to their heights and diameters, are reported in the following table:



Standard Sizes			
Diametre		Height	
mm	in	mm	in
64	2' 1/2	25	1'
90	3'1/2	50	2'
170	6' 2/3	50	2'

### Principal Applications – Wastewater Treatment:

- ❖ Trickling Filters

### Principal Applications – Fumes and Gases Treatment:

- ❖ Absorption Columns
- ❖ Air and gases treatments Columns (Wet Scrubbers)
- ❖ Stripping Columns
- ❖ Odors Abatement Plants

### Principal Advantages

- ❖ Different specific surfaces with low air pressure drop
- ❖ Mechanical resistance
- ❖ Easy transport and Handling thanks to our packaging system
- ❖ Easy maintenance operations during scheduled interventions.

Wastewater Treatment



### Technical Data

Minimum Diametre		Maximum Diametre		Height		Pezzi/ m <sup>3</sup>	Specific Surface m <sup>2</sup> /m <sup>3</sup>	Void Index %	Wight	
mm	in	mm	in	mm	in				Dry [kg/m <sup>3</sup> ]	Working * [kg/m <sup>3</sup> ]
64	2' 1/2	73	2' 7/8	25	1'	6800	200	94	41	-
90	3' 1/2	115	4' 1/2	50	2'	1390	110	95	50	450
170	6' 2/3	200	7' 7/8	50	2'	460	120	95	38	350

\* Referred to the average biomass growth on a trickling filter

PP	
Working temperature	113°C
Melting point	155°C
Compression Break Point	380 kg/cm <sup>2</sup>
Water Absorption	<0,02 %

Chemical Resistance	
Acid	E/G
Alkali	E
Hydrocarbons	G/M

Legenda: E- excellent  
G- good  
M- medium