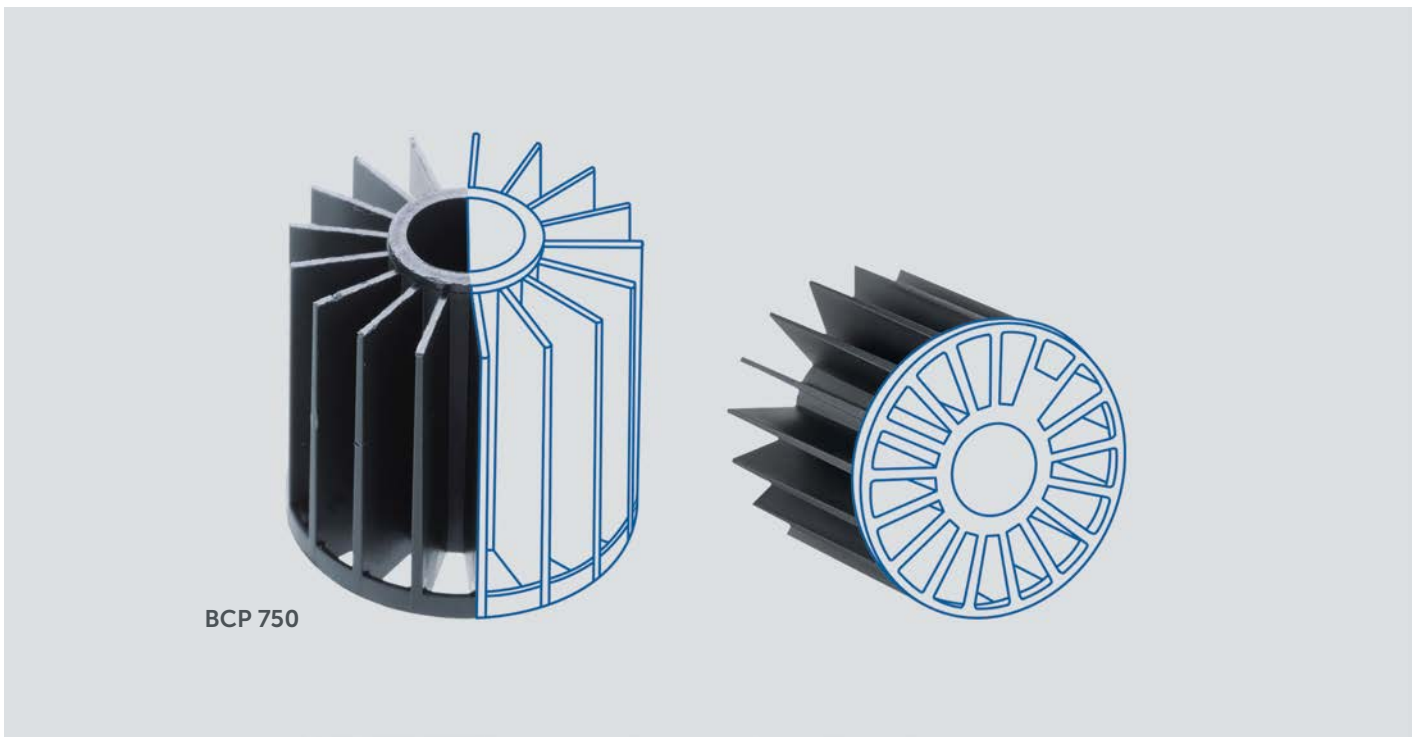


## RANDOM MEDIA

Strong random packings with large surface for moving bed reactors



The effective purification of waste water requires an active biofilm which is not too thick and a good supply of oxygen and nutrients. In aerated moving bed bioreactors (MBBR) an intensive movement of the random media in the water is ensured by the injection of oxygen or air so that surplus sludge can be removed from the surfaces and clogging can be avoided.

The correct choice of the packing, in terms of its structure, the protected surface and its specific weight, ensures that, on the one hand, a good cleaning standard is achieved and at the same time energy for the aeration is saved.

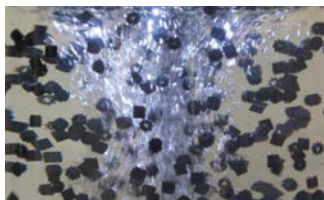
### Features of our Random Media

- Reduced installation costs
- Reduced maintenance expense
- Large selection
- High mechanical strength
- Long operating life

Large protected surfaces with small external dimensions increase the efficiency of existing equipment or save costs on new systems through smaller reactors. We offer a broad range of different packings, so it is possible to find the right one for every requirement. Our experts have many years of experience in biofilm processes and will support and advise you in your selection.

Technical Data									
Type		Total surface m <sup>2</sup> /m <sup>3</sup>	Protected surface m <sup>2</sup> /m <sup>3</sup>	Material	Density* g/cm <sup>3</sup>	Weight of packaging kg/m <sup>3</sup>	Length mm	Diameter mm	Packaging unit Volume/Big Bag
BCN 011		790	520	HDPE	0.95 – 0.97	150	10	11	2,5 m <sup>3</sup>
BCP 750-0,93		750	635	PP	0.93	158	15	15	3 m <sup>3</sup>
BCP 750-1,00		750	635	PP	1.00	172	15	15	3 m <sup>3</sup>
BCP 750-1,20		750	635	PP	1.20	210	15	15	3 m <sup>3</sup>
BCN 020		610	420	HDPE	0.95 – 0.97	130	20	20	2,5 m <sup>3</sup>
BCP 020		710	500	PP	0.95 – 0.97	130	18	19	3 m <sup>3</sup>
BCN 040		340	272	HDPE	0.95 – 0.97	100	36	44	3 m <sup>3</sup>
BCN 030		320	260	HDPE	0.95 – 0.97	110	30	30/36	3 m <sup>3</sup>
BCP 135		135		PP	0.90	60	90	80/110	0.5 m <sup>3</sup>
BCP 120		120		PP	0.90	55	75	140/190	0.5 m <sup>3</sup>

\*Special density available on request.



#### Random media in the bio filter

An intensive mixing of the packings, as shown in the picture, is important for an even growth of biofilm and the removal of surplus sludge.

**HDPE and PP material:** Impact-resistant and environmentally friendly; resistant against most chemicals and UV radiation.

This information has been put together with greatest care. However, any performance data given in this leaflet is subject to compliance with certain surrounding conditions and hence may vary from case to case. Further, we reserve the right to make changes at any time without notice. We strongly recommend (i) reconfirmation with us whether this information is still fully valid, before using it for final designs and (ii) to verify performance data taking into account the actual surrounding conditions. We do not take any responsibility for any consequences due to non-compliance with these recommendations.



ENEXIO Water Technologies, Germany,  
is ISO 9001:2008 certified.

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