

# SADDLE CHIPS

## Effective biofilter elements for water purification

Saddle Chips is designed as an open element for easy cleaning and maintenance. In addition, the saddle shape of the element contributes to good hydraulic properties that among other things include good distribution of the water and low pressure drop in fixed bed filters. Furthermore, the Saddle Chips has a unique design that provides good hydraulics around the elements so that the entire surface gets fresh water, resulting in high performance of the filter.

We focus heavily on the weight of the element which together with the large surfaces makes the element move easily in the water when it is used for moving bed filters. The design is also made in the way that Saddle Chips will not tangle which will keep the elements floating freely in the water.

The high quality of Saddle Chips and the excellent use of the surface area of the Saddle Chips provides a high-performance filter.



Saddle Chips	Saddle Chips, Light Density 0.95 g/cm <sup>3</sup>	Saddle Chips, Medium Density 1.00 g/cm <sup>3</sup>	Saddle Chips, Heavy Density 1.15 g/cm <sup>3</sup>
Applications	Primarily used for up-flow fixed-bed filters	Primarily used for moving-bed filter	Primarily used for down-flow fixed-bed filters
Size (mm)	Ø30 x 15	Ø30 x 15	Ø30 x 15
Surface area (m <sup>2</sup> /m <sup>3</sup> )	700	700	700
Number (pcs/m <sup>3</sup> )	105,000	105,000	105,000
Volume weight (kg/m <sup>3</sup> )	130	137	157
Bag size (m <sup>3</sup> )	2.5 m <sup>3</sup> & 3.0 m <sup>3</sup>	2.5 m <sup>3</sup> & 3.0 m <sup>3</sup>	2.5 m <sup>3</sup> & 3.0 m <sup>3</sup>