

SELF-CLEANING INTAKE SCREENS, the CBTP series with rotating spray arms



Applications

Industry : pump protection for intake water and installation in cooling tower basins, etc

Agriculture : pump protection and filtration of irrigation water

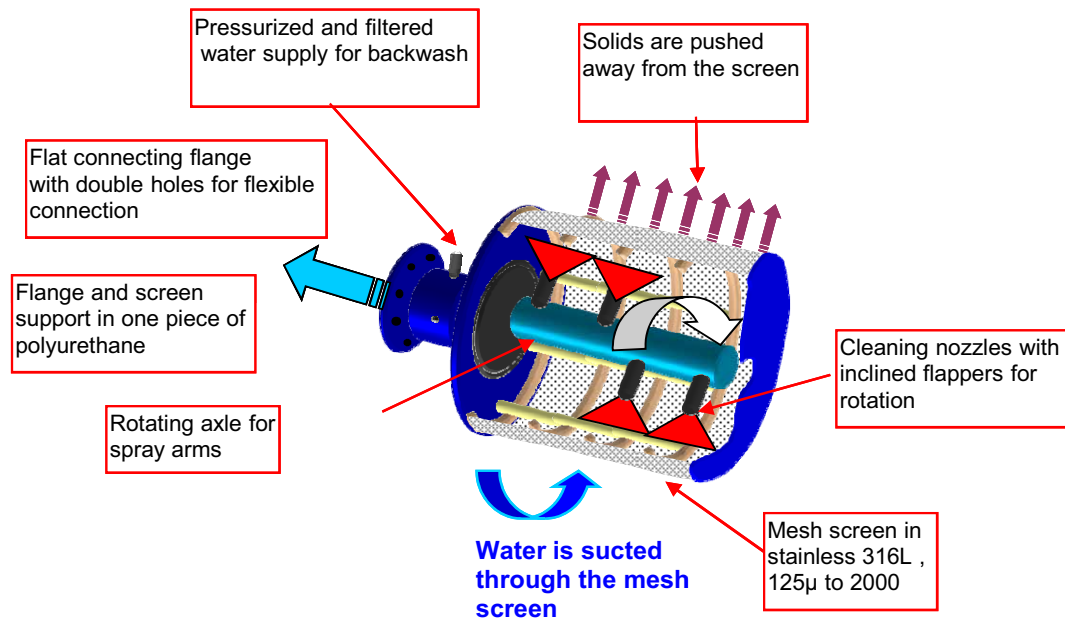
Water Treatment : pump protection and pre-filtration

Working Mode

Installed on the suction side of the pump or on the intake side of a gravity fed system, the Selfcleaning Intake Screens model CBTP cover a flow range of 10 to 130 m³/h.

A static filter mesh screen, continuously cleaned by rotating spray arms, allows for applications requiring a relative fine filtration and protects the pump and downstream solid sensitive equipment like nozzles, filters, valves, softeners, etc...

The CBTP units are constructed in polyuréthane and stainless steel and offer consequently an excellent corrosion resistance and a good price/flow ratio.



Manufacturing Materials :

Flange and end caps : polyurethane

Support axle, screws, screens : stainless 304L option 316L

Support axle for cleaning nozzles : PVC

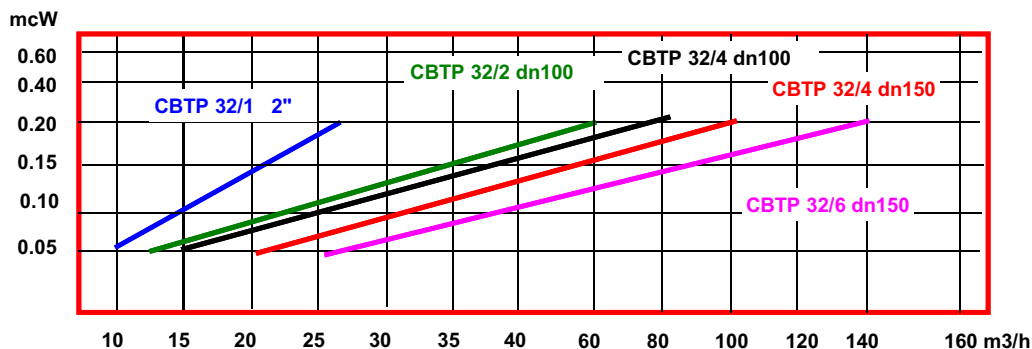


Diagram
flow / pressure loss

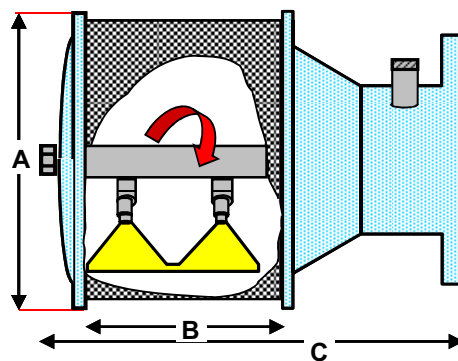
SELFCLEANING INTAKE SCREENS, the CBTP series with rotating spray arms



MODEL	Filter area	Filtration level	Max flow at 125 μ	Max flow at 315 or 450μ	Max flow at 630 or 2000 μ	**Backwash flow at 3 bar
CBTP 32/1	1000 cm ²	125 to 2000μ	10 m ³ /h	20 m ³ /h	25 m ³ /h	2 m ³ /h
CBTP 32/2	1800 cm ²	125 to 2000μ	20 m ³ /h	40 m ³ /h	60 m ³ /h	5 m ³ /h
CBTP32/4 dn100	3600 cm ²	125 to 2000μ	40 m ³ /h	80 m ³ /h	80 m ³ /h	7 m ³ /h
CBTP32/4 dn150	3600 cm ²	125 to 2000μ	40 m ³ /h	80 m ³ /h	100 m ³ /h	7 m ³ /h
CBTP 32/6	5400 cm ²	125 to 2000μ	50 m ³ /h	90 m ³ /h	130 m ³ /h	9 m ³ /h

Needed pressure for backwash and rotation : **mini 3 bar ;maxi 5 bar
For low backwash pressure, 1 - 3 bar, please consult factory

Important : A 500 μ security filter is recommended on backwash supply line
(could be supplied by Eurofiltres)



MODEL	standard main connection	backwash supply connection	A	B	C
CBTP 32/1	threaded 2"	3/4"	340	100	300
CBTP 32/2	flange dn100	3/4"	340	180	420
CBTP 32/4 dn100	flange dn100	3/4"	340	368	600
CBTP 32/4 dn150	flange dn150	1"1/4	340	368	610
CBTP 32/6	flange dn 150	1"1/4	340	572	820