

F3 - Maceration

Channel Flow Conditioner Series

In-channel maceration of process solids.

PROCESS INPUT:

Process effluent containing solids.

PROCESS OUTPUT:

Process effluent with solids < hole size in two dimensions.

BY-PRODUCT PRODUCED:

N/A.

SERVICES REQUIRED:

N/A.

CAPACITY RANGE:

0 - 90 l/s.

TYPICAL ELECTRIC MOTOR DRIVE SIZES:

1.5 to 7.5kW.



A channel mounted Macerator designed to give a controlled particle size.

Inside the unit flow passes through holes in a shearplate which has a rotating headstock in contact with it.

Solids are sheared off by the headstock as they pass through the holes providing controlled particles for further processing.

Commonly used to condition the effluent to ease flow to further processing.

“A channel mounted Macerator designed to give a controlled particle size.”

Model	Drive Size	Output Speed	Min Channel width	Flow Rate
201	1.5kW	460	300mm	0 - 10 l/s
201	2.2kW	960	300mm	10 - 15 l/s
301	3.0kW	460	420mm	15 - 22 l/s
301	5.5kW	640	420mm	22 - 33 l/s
401	5.5kW	360	710mm	33 - 50 l/s
401	7.5kW	460	710mm	55 - 90 l/s

Flow rates are based on effluent containing low percentage of solids, typically less than 0.01%, higher concentrations will reduce capacity
Flow rates based on standard 10mm hole shearplate