

Filtramatic CP

Designed for Domestic and Shipboard Conditioning

Project
Waste Water

Pumping Disintegrator

Impeller rotating within a stationary cutter ring. Ideal for handling raw sewage in shipboard or domestic applications

Filtramatic CP is an ingenious, low cost combination of pump and macerator. Designed for small scale land or marine sewage handling installations, it is compact and quiet running. Where mains sewerage is distant and costly to reach Filtramatic CP installations make possible economic connection to mains facility an important consideration for residences or groups of houses etc.

Filtramatic CP macerates (grinds) raw sewage to a small particle size and lifts the effluent through heads of up to 35 metres. Small particle size means less costly small bore pipework can be used, reducing installation costs significantly. Use of Filtramatic CP is beneficial to package treatment plants by reducing wear on pumps and improving efficiency.

Construction

Filtramatic CP is robustly constructed for minimum maintenance. The macerator element consists of a cast iron canopy and head enclosing a heat treated stainless steel alloy impeller rotating within a stationary cutter ring of hardened nickel steel.

The pumping element is a positive displacement, self-priming progressive cavity pump of acetal copolymer directly driven from the motor shaft. Thus there are no valves, pistons or diaphragms to get choked or wear out. The motor element is continuously rated and totally enclosed and can be wound to suit most voltages and frequencies.

Installation

For simplicity of access and maintenance, Filtramatic CP is mounted horizontally outside the collecting sump or holding tank.

Range and Performance

Filtramatic CP is available in 2 sizes covering heads of up to 35m. or throughputs of up to 7600 litres per hour. For detailed performance figures see table.



Haigh Filtramatic CP

Specification

125 CP800. 1/3 Phase

Inlet Port

3" BSP

Outlet Port

1.5" BSP

Pump Speed

1450

Hz

50

KW

0.75

Max Suction Lift

2m

125 CP1600. 1/3 Phase

Inlet Port

3" BSP

Outlet Port

1.5" BSP

Pump Speed

1450

Hz

50

KW

1.1

Max Suction Lift

2m

Capacity (litres per hour)

Total Head	125 CP800	125 CP1600
5m	3960	7640
10m	3800	7500
15m	3600	7230
20m	3360	6930
25m	3060	6600
30m	2700	6160