



**Cellwood Machinery**  
FOR BETTER PULP AND PAPER

# Algas Test Filter

## General Information:

The ALGAS test unit is normally delivered on a trailer or if by sea and air in a container. For loading and unloading it will be necessary to use a forklift with long forks.

Weight of the test unit:

Empty 650 kg

Filled with water approx. 1000 kg

Dimension: L = 1570 mm, W = 1385 mm, H = 1330 mm

## Accessories:

Electro magnetic flowmeter

Spray water pump

Supply pump

Polymer proportioning pump

Various flexible piping

6 replacement segments with suitable filter cloths

Types of filter cloths available:

10 $\mu$ , 20 $\mu$ , 30 $\mu$ , 40 $\mu$ , 80 $\mu$ , 100 $\mu$ , 120 $\mu$ , 285 $\mu$ , 425 $\mu$ , 1000 $\mu$

Base frame: Steel with height 1200 mm.

## Mechanical Installation:

The ALGAS test unit can be installed on the ground or on the steel base frame. Please ensure that the unit is leveled. Inlet supply and outlets operates through fire hoses with express coupling.

Supply and cloudy filtrate – diameter 1½"

Outlet clear filtrate and reject diameter 4"

Please provide fresh water for filling up and cleaning the test filter unit.

## Electrical connections/Electricity:

Main drive including spray water pump:

380 Volt – 32 Amp

Fan (if necessary):

380 Volt – 16 Amp

Polymer proportioning pump for chemicals:

380 Volt – 16 Amp

Supply pump (if necessary)

380 Volt – 16 Amp

## Samples:

It is recommended to take regular samples of supply, clearfiltrate and reject during the trials. The results should be noted in the table. In addition, for every sample we need the speed and rotation of the filter drum, the level difference between inside and outside of the drum and also measurements of the inlet, clearfiltrate, cloudy and reject flows.



*Test Unit*



*Test Unit on millsite*



*Test Unit on trailer*