

PCI Membranes

Ultrafiltration Modules Parallel Flow Arrangement



A5 Mini Module

The Mini-module is a low cost module for testing and evaluating A5 membranes which are ideally used for applications containing suspended solids. Specifically designed to be compatible with the PCI BRO pilot plant, it is also suitable for fitting to a range of other test units.

This enables the client to test the suitability of one of the standard A5 membranes or an experimental membrane in the laboratory or pilot hall, before going to the expense of full-scale modules.

Each 1.2m long module is fitted with five membrane tubes each of 6mm diameter, yielding a membrane area of 0.1m². The module shell is constructed in ABS or PVC and the membrane tubes are bonded into the shell with epoxy resin.

All types of commercial A5 membranes are available, and where appropriate, development membranes can be supplied.

Modules may be used individually, or be connected in series or parallel, subject to the flows and pressures available from the test rig to which they are fitted.

PROVEN MEMBRANES

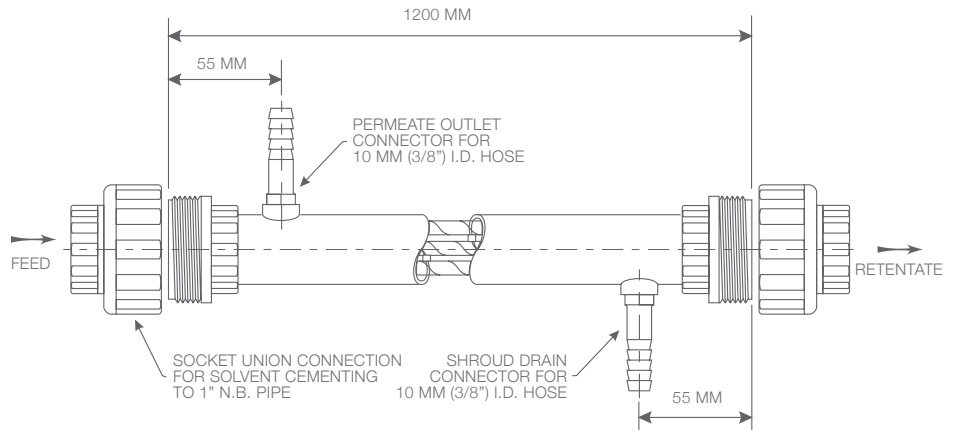
With applications in the food, beverage chemical, MBR and pharmaceutical industries.

COMPACT MODULAR DESIGN

Quick and easy plant construction.

TUBULAR MODULE

Minimal prefiltration required, suited to viscous liquids and high levels of suspended solids.



Dimensions	
Length (m)	1.2m
Membrane Area (m ²)	0.1m ²
Flow Area	5 tubes at 6mm diameter

Connection	
Fittings	1" socket union for inlet/outlet 10mm (3/8") hose tail for permeate outlets

Additional Details	
Operating Pressure	Up to 10 bar max
Operating Temperature	Up to 60°C
Typical Flow Rates	20-30 l/min
Shroud Material	ABS or PVC
Membrane Type	A range of UF membranes in PVDF
pH Range	1.5-10.5

