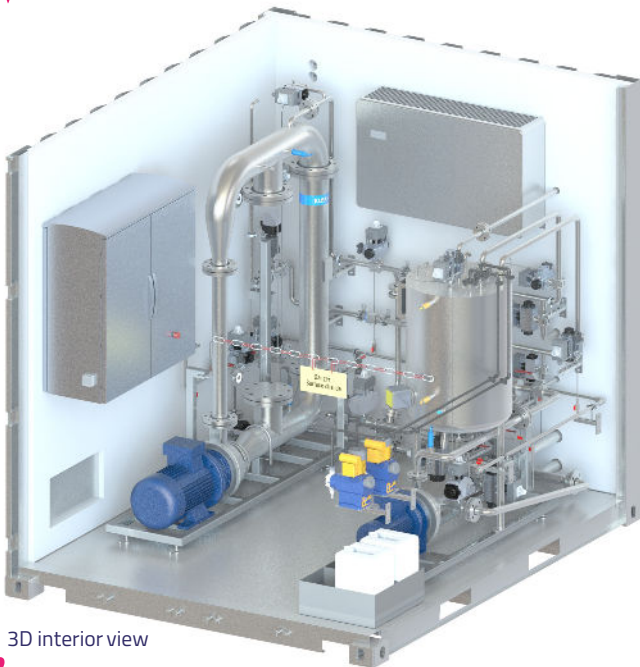


10 FEET CONTAINER CROSSFLOW FILTRATION SMALL PLANT



3D interior view



Filtration skid realization



Performances

DESIGN	
Footprint:	10 feet Container (Length 3000 mm x Width 2440 mm x Height 2600 mm)
Unloaded weight:	1500 kg
Electricity and power:	400V three-phase, 24 kW (pumps + hot water heater)
Auxiliary equipment:	220V monophasic, 3,5 kW (reversible air conditioning + light)
MODULE and MEMBRANE	
Filtration type:	Micro-Ultra crossflow filtration with ceramic membranes KLEANSEP™
Module type:	2 x KLEANSEP™ K19 modules
Application:	Multi-use
Membrane area:	9,5 m² (4,75 m² per module x 2 modules)
TMP max :	4 bar
Crossflow max:	5 m/s
Temperature mini/maxi, pH:	5 à 80°C, 0 à 14
Typical permeate flowrate*:	1000 L/h (500 L/h per module x 2 modules)
EQUIPMENTS	
Materials in contact with liquid:	Stainless steel 316L and PTFE or FPM or EPDM gaskets (seals)
Filtration pump:	Centrifugal, Stainless steel 316L
Operating volume tank, CIP:	200 L, Stainless steel 316L
CIP Dosing pumps:	PVDF
Valves:	Pneumatic, Stainless steel 316L/PTFE
Safety filter:	Stainless steel 316L/FKM
Frame support and structure:	Stainless steel 304L
MEASUREMENT AND CONTROL	
Operation:	Automatic filtration and cleaning sequences Pressure and permeate flowrate control loops Dry running, high pressure and other hazards protection
Instrumentation:	Electromagnetic flowmeters Electronic pressure, temperature and level transmitters
Electrical cabinet:	Frequency inverters on centrifugal pumps Filters for inlet compressed air Touch screen display for process monitoring and data logging
(*) Depends on the product to be treated and the type of membrane. Value at 110 L/m².h of permeate flux	