



This mobile filtration platform is designed for use with a variety of membranes for both nanofiltration and reverse osmosis. The plant is versatile and configurable for a wide range of applications tailored to customer requirements. The rig shown contains a 4040-membrane housing with a typical membrane area of around 8m². The clean water flux will depend on the membrane chosen and operating pressure with the system capable of working with any membrane. Installed instrumentation measure pressure, temperature, flow, pH and conductivity. The system has a control screen where the system is operated from, which can be accessed remotely. The system

features independent automated control of the operating pressure and recirculation flow rate, along with data logging of all measured variables. A concentric tube heat exchanger is included for thermal control located within the high-pressure recirculation loop.

Data

Membrane Area	~8m ² (Any housing, and number thereof) can be fitted)
Operating Pressure	Up to 42.5 bar*
Operating Temperature	5-80°C*
pH Range	2-13*
Retentate flowrate	Up to 5,000 L/hr
Permeate flowrate	Up to 2,000 L/hr
Tank volume	130L (configurable)
Dimensions	1.00 x 1.95 x 2.0 m
Holdup volume	6L
Control Panel	Control screen with automated control of pressure and flow
Electrical Supply	32A, 400V, 50Hz, 3ph

*Limited by maximum membrane operating conditions.

Membranology is independent of any supplier which means our engineers will always choose the optimum membrane for a given application based on extensive trial and process experience.

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