

Application story



Membrane Filtration Test Rig

Location	Denmark	Hydra-Cell model	G10XKSGFEMB
Type of application	Membrane Filtration Test Rig	Flow rate	5 - 24 l/min (1.3-6.3 gpm)
Liquid	Hygienic Liquids	Pressure	Up to 64 bar (Up to 928 psi)
Application details	In a mobile multi-purpose membrane test unit developed by a global leader in hygienic liquids handling equipment, the high-pressure 'cross-flow' pump for all dynamic testing is the Hydra-Cell G10. The unit can be fitted with flat sheet membranes for reverse osmosis, nanofiltration, ultrafiltration and microfiltration of many different liquids and can be used in research and development, educational and small-scale production applications. It is designed to produce rapid, precise evaluations whilst keeping equipment and set-up costs to a minimum. The G10 pump fitted as original equipment is coupled via an adaptor to a 3 or 4kW motor with integrated inverter. Its versatility, pumping efficiency, controlled accuracy, pressure capability and low pulsation are evidently important features on this application - while it would not be easy to find space for a pump less compact than the G10 on a small trolley which must also accommodate the membrane module, liquid reservoir, valving and system pipework in addition to a hydraulic handpump for static testing.		
Advantages of Hydra-Cell pump on this application	Pressure capability. Ability to handle aggressive and non lubricating liquids due to seal-less design. Low power consumption. Small footprint.		

www.hydra-cell.co.uk

Wanner Engineering -
World Headquarters & Manufacturing
Minneapolis USA
t: (612) 332-5681
e: sales@wannereng.com

Wanner International
Hampshire UK
t: +44 (0) 1252 816847
e: sales@wannerint.com

Wanner Pumps
Shanghai CHINA
t: +86-21-6876 3700
e: sales@wannerpumps.com

Wanner Pumps
Kowloon HONG KONG
t: +852 3428 6534
e: sales@wannerpumps.com