

Application story



Reverse Osmosis for Pilot Plant Applications

Location	UK	Hydra-Cell model	G10EKSJSHHHB
Type of application	Reverse Osmosis for Pilot Plant Applications	Flow rate	Up to 30 l/min (8 gpm)
Liquid	Pharmaceuticals	Pressure	Up to 40 bar (580 psi)
Application details	The customer is a global leader in separation and filtration technology. The G10 is part of a compact crossflow MF,UF,NF and RO filtration system for the development and scale-up of the major relevant process parameter sfor large scale production in line with current good manufacturing practice guidelines. It covers the whole range of pharmaceutical and biotechnological crossflow applications such as clarification, fractionation, desalintaion and purification, while providing suspended solids removal, protein concentration, removal of macro molecules and proteins. Additional applications include desalting of product streams and concentration of small moleculesin aqueous solutions to reduce volume for lypholisation (freeze drying).		
Advantages of Hydra-Cell pump on this application	Seal-less design. The ability to handle aggressive liquids with particles in suspension reliability.		

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