

Application story



Nano Filtration of Oxytocin

Location	Mumbai, India (Installation: May 2010)	Hydra-Cell model	G10XKSGHFECB x 4
Type of application	Nano Filtration of Oxytocin	Flow rate	28 L/min (7 GPM)
Liquid	Oxytocin	Pressure	4 bar (58 psi)
Application details	An Indian-based Pharmaceuticals company manufactures Peptide-based products. They use Hydra-Cell pumps for the nano filtration of Oxytocin (a hormone which is produced in the hypothalamus and released into the bloodstream by the pituitary gland). Initially the concentrated solution of Oxytocin is pumped at 1000 L/hr through the membrane at 4 bar. Once it is passed through the membrane the impurities are separated and the permeate is sent for the next process. These pumps were installed in 2010 and have been running trouble-free; only the diaphragms were changed 10 years after installation.		
Advantages of Hydra-Cell pump on this application	Seal-less design for reduced maintenance requirements		

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