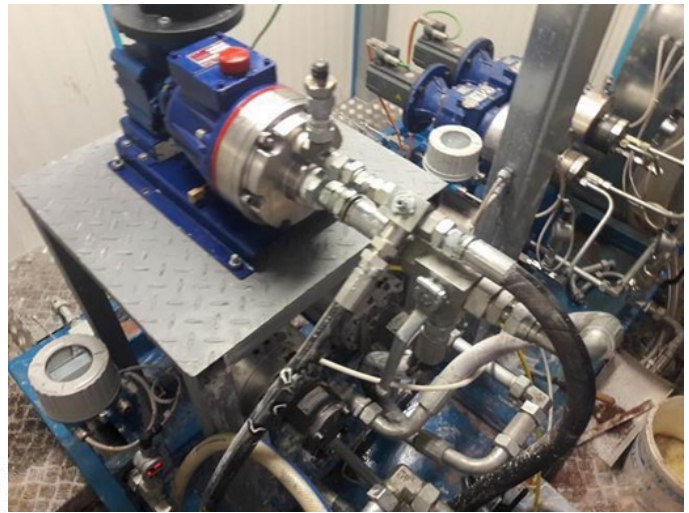


Application story



Nozzle Spraying for Insulated Panel Production

Location	Poland (Installation: 2020)	Hydra-Cell model	P400MSGSCB20C with custom High Viscosity Manifold
Type of application	Nozzle Spraying	Flow rate	12 – 78 l/hr (2.6 - 17 gph)
Liquid	Polyol (Filled 70%)	Pressure	30 - 40 bar (435 - 580 psi)
Application details	Pumped liquid is kept in pressurised vessels just in front of pumps, therefore there is 4 bar suction pressure to assure proper NPSHa margin. Pumps are pumping the liquid into spray nozzles on insulated panels production line. The filler material is limestone based with particle size ranging from 14.9 - 30 um For this rigid insulation board manufacturing installation, a change to a highly filled polyol caused wear issues, resulting in frequent breakdowns and lost production with the previous gear pump; due to the abrasive nature of this liquid, the original pumps only lasted up to 8-Weeks. A direct request to Wanner International resulted in an offering for a P400 with High Viscosity manifold, which has now run several months without failure, giving precise dosing at the required pressures. The customer is so impressed with this, that they have ordered 2 x other pumps for this site and are also looking at other European installations.		
Advantages of Hydra-Cell pump on this application	• Ability to reliably handle high viscosity liquids containing abrasives • Minimal service requirements for lower total life cycle costs		

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