

Application story



Formalin Spraying

Location	Denmark	Hydra-Cell model	G10XDPEHFEP
Type of application	Spraying Formalin to Preserve Cadavers	Flow rate	1 m ³ /hr (220 gph)
Liquid	Formalin	Pressure	6 bar (87 psi)
Application details	A research institute in Denmark uses human remains for medical research. These are sprayed with formalin (a saturated solution of formaldehyde and methanol in water) to prevent decay. The fluid is recycled and contains cell debris. Gear pumps originally used in the spray system quickly wore out because of the nature of the fluid and the particles carried in it. A Hydra-Cell G10 pump with polypropylene head was installed in place of gear pumps, and soon proved itself a better alternative. The polypropylene pump head gave excellent chemical resistance and, with its seal-less design, the pump is not affected by the abrasive particles in the fluid. Its smooth, low-pulsation flow is ideal for spraying and the operation is easily controlled. Duty cycle is continuous – the pump is working 24 hours/day, 7 days/week		
Advantages of Hydra-Cell pump on this application	Low pulsation flow. Ease of control. Seal-less design. Pump body and other materials of construction compatible with formalin and the particles it contains.		

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