

Application story



Cleaning Steel Tubing with Solvent

Location	USA	Hydra-Cell model	G25XFSGHFHC
Type of application	Cleaning Steel Tubing with Solvent	Flow rate	45 l/min (12 gpm)
Liquid	Recycled Solvents	Pressure	55 bar (800 psi)
Application details	A metal manufacturing company in Minnesota was having problems with long lengths of 4-inch and 6-inch OD steel tube, delivered from the supplier with a protective coating of lubricant. In the machine shop environment, the lubricant attracted dust, dirt and metal particles. This caused difficulties with machining and finishing. (Tool bits broke, screw cutting took longer, extra time was needed for manual cleaning before painting). The customer solved these problems by building a simple automatic cleaning system. It incorporates a Hydra-Cell G25 pump, hexagonal spray bar and 265-litre reservoir tank with baffles and a coarse filter screen. As tubing is fed into a lathe by bar feeder it passes through the 6-nozzle spray bar and is pressure washed with solvent, which is then returned to tank. This case further illustrates the advantages of Hydra-Cell pumps in metal manufacturing. The same features that make Hydra-Cell ideal for pumping machine tool coolant apply also to component cleaning and parts washing. The pumps can work at high pressure. They can handle dirty, recycled liquids and they can tolerate abrasive particles without needing fine filtration.		
Advantages of Hydra-Cell pump on this application	Seal-less design. High pressure capability. Ability to pump dirty, abrasive, recycled liquid with no need for fine filtration. Low maintenance.		

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