

Application story



Methyl Formate Transfer

Location	Indonesia	Hydra-Cell model	G25EKSGHFHHA
Type of application	Methyl Formate Transfer	Flow rate	2500 l/hr (660 gph)
Liquid	Methyl Formate	Pressure	10 bar (145 psi)
Application details	In the production of formic acid, much-used as a preservative and antibacterial agent in animal feedstuffs and for other purposes such as textile dyeing, a main ingredient is methyl formate. This is converted into formic acid by hydrolysis. A major manufacturer of formic acid, based in Indonesia, initially used a hose pump to transfer methyl formate from another plant – but sometimes the liquid is dirty and contains particles. The hose pump, from a well-known manufacturer, could not handle the contaminated liquid. Reliability became a serious issue – to the extent that NR hoses, each costing more than €193, had to be replaced every 14 days. The company's remedy was to take the hose pump out of service, replacing it with the seal-less Hydra-Cell G25. Problem solved. Eight months later the G25 was still operating without interruption.		
Advantages of Hydra-Cell pump on this application	Seal-less design. Ability to handle particles and dirty liquids without damage.		

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