

METERING

Quick STUDY

Hydra-Cell[®]
Seal-less Pumps

www.Hydra-Cell.com

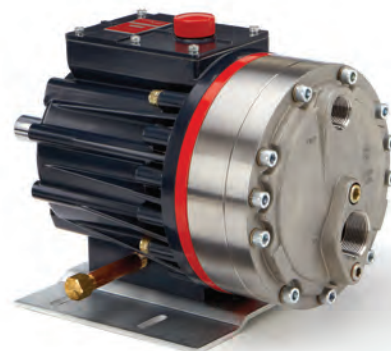
Location:	Germany
Application:	Metering plasticizer into raw plastics mixture
Media:	• Polyvinyl alcohol (PVA)
Model No.:	H25XKSGHFEHB
Flow Rate:	16 gpm (60 l/min)
Pressure:	260 psi (18 bar)
Hydra-Cell Advantages:	• Higher pressure capability than screw pumps • Able to handle particles - unlike radial piston pumps • Resistant to abrasion • Adjustable output flow



Metering in Plastics Production

A plastics producer achieved more efficient blending and was able to speed processing following the replacement of a progressive cavity pump with a Hydra-Cell H25 unit. Another benefit has been a reduction in the cost of pump repairs.

The pump's task is to add plasticizer to the mix during manufacture of plastics materials so that the finished material will be more flexible and durable. The previous pump had certain limitations in terms of pressure capability, durability and the high cost of repairs. By contrast, the Hydra-Cell pump met or exceeded requirements in all these respects and its overall performance improved blending of the end product.



Characteristics of Fluid Pumped:

☒ Contains Abrasives ☐ Corrosive ☐ Solids in Suspension ☐ High-temp. (>158°F/70°C) ☐ Non-lubricating ☒ High-viscosity (>500 cPs)