

MACHINE TOOL COOLANT

Quick STUDY

Hydra-Cell®
Seal-less Pumps

www.Hydra-Cell.com

Location:	Germany
Application:	Pumping machine tool coolant
Media:	• Machine tool coolant
Model No.:	D10XDCGHFEYG
Flow Rate:	2.2 - 8 gpm (10 - 30 l/min)
Pressure:	360-1015 psi (25 - 70 bar)

- Hydra-Cell Advantages:**
- High volumetric efficiency
 - Wide operational range
 - Toleration of particles up to 2mm (reducing need for sophisticated filtration systems)
 - Chosen flow rate remains stable when pressure fluctuations occur
 - Easy maintenance, including uncomplicated replacement of diaphragms and valves



Machine Tool Coolant Pumping Standardized

With the opportunity of commissioning a completely new manufacturing plant in Berlin, an engine manufacturer decided to standardize on one pump for cooling lubricants. In other plants a variety of pumping systems had been used. In the new plant, all fifty-four machining centers will rely on the Hydra-Cell D10 for delivering coolant at high pressure to the various tools.



Characteristics of Fluid Pumped:

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