

CLEANING & WASHING

Quick STUDY

Hydra-Cell®
Seal-less Pumps

www.Hydra-Cell.com

Location:	Germany
Application:	Pressure cleaning
Media:	• Recycled water
Model No.:	D12XKCTHFECA
Flow Rate:	7 gpm (28 l/min)
Pressure:	580 psi (40 bar)
Hydra-Cell Advantages:	• Higher pressure capability than multi-stage submerged rotary pumps • Self-priming • Handles solid particles • Easy maintenance



High-temperature Cleaning of Conveyor Chains

Heavy-duty lubricated conveyor chains, up to several miles in length, need periodic cleaning to remove dust and dirt. Because of their size and weight they are cleaned on site by means of sprays. Hot (158°F/70°C) recycled cleaning liquid is delivered to the nozzles at high pressure from purpose designed mobile units with integral reservoir tank and pump system. The liquid is fed back into tank through 30-micron filters.

Hydra-Cell D12 pumps have been chosen for this work - preferred over alternatives because of their pressure capability, tolerance of solid particles and easy maintenance. The pump is designed for vertical mounting and sits directly on top of the tank, minimizing pipework.

Characteristics of Fluid Pumped:

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