

FOOD & BEVERAGE INDUSTRY

Quick STUDY

Hydra-Cell
Seal-less Pumps

www.Hydra-Cell.com

Location:	Hungary
Application:	Metering
Media:	• Malt • Coloring mix • Glycerol • Titanium dioxide
Model No.:	P300MSSSS030S
Flow Rate:	1.3 - 2.6 gph (5 - 10 lph)
Pressure:	1740 - 2175 psi (120 - 150 bar)
Hydra-Cell Advantages:	• Easy, accurate control • Virtually pulse-free flow • Energy savings



Metering Pet Food Flavoring

A global food group's pet food plant in Hungary used a conventional piston pump to meter a coloring agent into a process. The malt, glycerol, and titanium dioxide mix carries particles in suspension and is both abrasive and corrosive. A pulsation dampener was required for smooth flow.

To reduce maintenance costs a Hydra-Cell P300 Metering Solutions pump replaced the conventional piston pump in this application. The customer also recorded the benefits of good controllability, reduced power consumption, and smoother flow with no need of a pulsation dampener.

Characteristics of Fluid Pumped:

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