

DM-55HVP Series Drum/Tank Pumps

For High Viscosity Liquids Up To 100,000 CPS



The **DM-55HVP Series** pumps are engineered specifically for transferring viscous liquids from drums and tanks commonly found in most general manufacturing industries. The progressive cavity design delivers continuous flow of material with little product degradation. This pump system will stand up to most pumping loads and operation stress, Maximum viscosity is 100,000 cps (mPAS).

- Hygienic Design
- Easy to Clean & Maintain
- Gentle Product Treatment
- Continuous Flow

Common Applications

- > Pie & baked goods fillings
- > Chocolate & mayonnaise
- > Juice & beverage bases
- > Lotions & creams
- > Tomato & other pastes
- > Shampoo & detergents

Pneumatic & Electric Pump Drives

Electric Pump Drives

Electric Specifications: 230, 380, 415, 460 VAC/3 PH/50–60Hz

Model DM-55HVP/E75

HP 0.75, KW 0.55, RPM 750–900, Enclosure WASHDOWN TEFC (IP55), Frame 90LC, Flange B14/C140, Shipping Wt. LBS (kg) 40 (18)

Model DM-55HVP/E100

HP 1.00, KW 0.75, RPM 750–900, Enclosure WASHDOWN TEFC (IP55), Frame 100LC, Flange B14/C160, Shipping Wt. LBS (kg) 52 (24)

Model DM-55HVP/E150

HP 1.50, KW 1.10, RPM 750–900, Enclosure WASHDOWN TEFC (IP55), Frame 100LC, Flange B14/C160, Shipping Wt. LBS (kg) 58 (25)



Pneumatic Pump Drives

Model DM-55HVP/A200

HP 2.0, KW 1.5, RPM 300–900, Air Usage 80 Cfm @ 100 Psi, Frame IEC# 72/D71, Air Connection ¼" Npt, Shipping Wt. LBS (kg) 12 (5)

Model DM-55HVP/A400

HP 4.0, KW 3.0, RPM 300–900, Air Usage 130 Cfm @ 100 Psi, Frame IEC# 72/D80, Air Connection ½" Npt, Shipping Wt. LBS (kg) 24 (11)

Model DM-55HVP/A500

HP 5.0, KW 3.7, RPM 300–900, Air Usage 170 Cfm @ 100 Psi, Frame IEC# 72/D90, Air Connection ½" Npt, Shipping Wt. LBS (kg) 26 (12)



Technical Data

Design:	Progressive Cavity / Positive Displacement
Max. Viscosity:	100,000cps (mPAS)
Dishcharge Port:	1.5" / 38mm Hose Barb or Tri-Clamp Fitting, optional 1.25" /32mm
Stator Materials:	Viton, Teflon or Buna-White
Mechanical Seal:	SiC/Viton/SiC
Immersion Lengths:	27" (700mm) 39" (1000mm) 47" 1200mm) Please add 6" (150mm) to the Immersion length of pump for the 752 series pumps.
Wetted Materials:	Tube & Rotor Assembly: 316 Stainless Steel Stator Material: Viton, Teflon & Buna -White
Pump Finish:	316 Stainless steel
Motor Drives:	Pneumatic or electric motors are available in 50 & 60 Hz, 230, 380, 415 & 460v

Consult chart for viscosity ratings and performance curves(PDF)
Fittings: Large Type Acme Thread design enables operator to disassemble pump quickly for cleaning, maintenance, and inspection.
Mounting
Flange: B14/C140-160 Maximum
Flow Rate:
up to 6.5 GPM depending on model
Pressure:
up to 174 psi depending on model



DRUM-MATES® pump and mixer equipment assemblies are supplied as components, each sold separately. Ask for literature on DRUM-MATES® drum/tote mixers, drum tumblers, drum/tote pumps & hand nozzles. DRUM-MATES® Inc., Drum Mixer & Pump Div., Tel: 1-800-621-3786 and 609-261-1033, Fax: 609-261-1034