



Our full drum pump line offers electric, air and rechargeable models

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# Your easy, reliable and economical way to remove fluids from containers!

### Designed For Any Operation:

- **Serving general industrial, laboratory, and hygienic markets**
- **Sealless design with up to 30 minutes run-dry capability**
- **Heavy duty construction for long working life**
- **Convenience features designed in**
- **Simple assembly and low cost easy maintenance**

## APPLICATIONS

Emptying containers, vats, drums and carboys. Easily handles a wide range of chemicals from strong acids and caustics to severe solvents to oils. The 27" length is used in carboys, 35 1/2" length is used for drums (55 gallons U.S.), the 40" is used for standard European drums and the 47" is used for vats and large containers. Not recommended for viscosities over 3500 SSU. Polypropylene (16400-series) and Stainless Steel (16410-series) drum pumps are designed to handle a wide range chemicals. Hygienic models can handle food and beverage applications. USDA approved.

The Kynar (16520-series) model is our most chemically resistant drum pump, enabling you to handle a wider range of chemicals.

Our Laboratory (23650-series) drum pumps, which have lower flow and less head capacity, are designed specifically for service in the shop and laboratory.

## TECHNICAL DATA

| PUMP MODEL NO.                 | 16400-3350   | 16410-3350   |
|--------------------------------|--|--|
| FLOW (5 Ft. Head)              | 25 GPM   | 25 GPM   |
| PORT SIZE                      | 1" Slip-on Hose  | 1" Slip-on Hose  |
| TUBE MATERIAL/DIA.             | Polypropylene / 2"   | Stainless Steel / 2"   |
| IMPELLER                       | Semi-open Centrifugal Type   | Semi-open Centrifugal Type   |
| SHAFT                          | Carpenter 20   | 316 Stainless Steel  |
| SEAL                           | Sealless   | Sealless   |
| SIZE (Height x Width x Length) | 2 1/2" x 2 1/2" x 39" (35 1/2")  | 2 1/2" x 2 1/2" x 39" (35 1/2")  |
| WEIGHT (Approx.)               | 2 3/4 lbs.   | 7 1/2 lbs.   |
|                                | <b>Variations Available</b><br>Model 16400-3270 - 27" long<br>Model 16400-3400 - 40" long<br>Model 16400-3470 - 47" long | <b>Variations Available</b><br>Model 16410-3270 - 27" long<br>Model 16410-3400 - 40" long<br>Model 16410-3470 - 47" long |

| PUMP MODEL NO.                 | 16510-3350   | 16520-3350   |
|--------------------------------|--|--|
| FLOW (5 Ft. Head)              | 25 GPM   | 25 GPM   |
| PORT SIZE                      | 1" Slip-on Hose  | 1" Slip-on Hose  |
| TUBE MATERIAL/DIA.             | Hygienic Stainless Steel / 2"  | Kynar / 2"   |
| IMPELLER                       | Semi-open Centrifugal Type   | Semi-open Centrifugal Type   |
| SHAFT                          | 316 Stainless Steel  | Hastelloy C  |
| SEAL                           | Sealless   | Sealless   |
| SIZE (Height x Width x Length) | 2 1/2" x 2 1/2" x 39" (35 1/2")  | 2 1/2" x 2 1/2" x 39" (35 1/2")  |
| WEIGHT (Approx.)               | 7 1/2 lbs.   | 2 3/4 lbs.   |
|                                | <b>Variations Available</b><br>Model 16510-3270 - 27" long<br>Model 16510-3400 - 40" long<br>Model 16510-3470 - 47" long | <b>Variations Available</b><br>Model 16520-3270 - 27" long<br>Model 16520-3400 - 40" long<br>Model 16520-3470 - 47" long |

## FEATURES

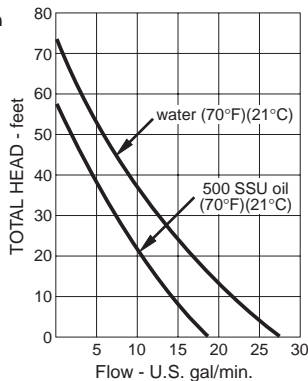
Heavy duty construction for resistance to rough handling. Seal-less design for 30 minute run-dry capability. Large motor handle and on-off switch, manual reset circuit breaker and self aligning coupling make pump easy to use. Modular construction, efficient design, simple disassembly and assembly lower maintenance costs. Individual selections of pump tube and motor must be made.



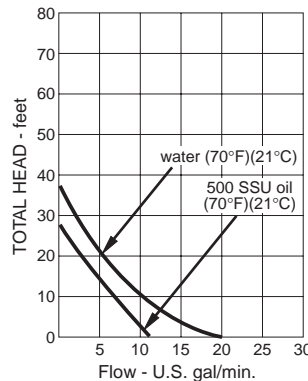
**16400-series, 16410-series, 16510-series and 16520-series**

### Head vs. Flow Chart

Pump tube with electric motor.



Pump tube with air motor operating at 80 psi inlet air pressure to motor.



For Metric conversion of performance and dimensions, refer to Engineering Data.



**Explosion hazard. Pumps with AC motors can spark. Do not use where flammable vapors are present. Failure to follow warning can result in property damage, personal injury or death.**

## TECHNICAL DATA

|                                |   |
|--------------------------------|---|
| <b>MOTOR MODEL NO.</b>         | <b>16420-0115</b>                         |
| MOTOR TYPE                     | 115 Vac, 60Hz, 1 Phase, Guarded Enclosure |
| RATING                         | 600 Watts / 3/4HP                         |
| SPEED                          | 10,600 RPM                                |
| SWITCH                         | Oversized Rocker Switch                   |
| OVERLOAD PROTECTION            | Manual Reset Circuit Breaker              |
| CORD                           | 16 Feet of Oil Resistant Cord             |
| SIZE (Height x Width x Length) | 5" x 5" x 10 3/8"                         |
| WEIGHT (Approx.)               | 7 1/2 lbs.                                |

**Variation Available**  
Model 16420-0220 – 230 VAC, 50Hz, 1 Phase, 540 watts

|                                |   |
|--------------------------------|---|
| <b>MOTOR MODEL NO.</b>         | <b>16440-0000</b>                           |
| MOTOR TYPE                     | Air Motor, 15 cfm at 80 psi Supply Pressure |
| RATING                         | 0.36 HP                                     |
| SPEED                          | 8000 RPM                                    |
| INLET VALVE                    | 1/4 Turn Bronze, 1/8" Diameter NPT          |
| SIZE (Height x Width x Length) | 5 1/8" x 1 3/4" x 5 3/4"                    |
| WEIGHT (Approx.)               | 1 3/4 lbs.                                  |

|                                |                                |
|--------------------------------|--------------------------------|
| <b>PUMP MODEL NO.</b>          | <b>23650-0500 (Laboratory)</b> |
| FLOW (5 Ft. Head)              | 8 GPM                          |
| PORT SIZE                      | 3/4" Slip-on Hose              |
| TUBE MATERIAL/DIA.             | Polypropylene / 1 1/4"         |
| IMPELLER                       | Axial Flow                     |
| SHAFT                          | Hastelloy C                    |
| SEAL                           | Sealless                       |
| SIZE (Height x Width x Length) | 2 1/2" x 2 1/2" x 21"          |
| WEIGHT (Approx.)               | 2 1/4 lbs.                     |

**Variation Available**  
Model 23650-1000 - 39 1/2" long

|                                |   |                                |
|--------------------------------|---|--------------------------------|
| <b>MOTOR MODEL NO.</b>         | <b>23640-9115 (Laboratory)</b>            | <b>23790-9000 (Laboratory)</b> |
| MOTOR TYPE                     | 115 Vac, 60Hz, 1 Phase, Guarded Enclosure | Rechargeable                   |
| SWITCH                         | Oversized Rocker Switch                   | Toggle Type                    |
| OVERLOAD PROTECTION            | Manual Reset Circuit Breaker              |                                |
| CORD                           | 16 Feet of Oil Resistant Cord             | Charger Included               |
| SIZE (Height x Width x Length) | 5" x 8" x 10"                             | 2 1/2" dia. x 11"              |
| WEIGHT (Approx.)               | 4 1/2 lbs.                                | 3.0 lbs.                       |



**16420-series**  
**16440-0000**

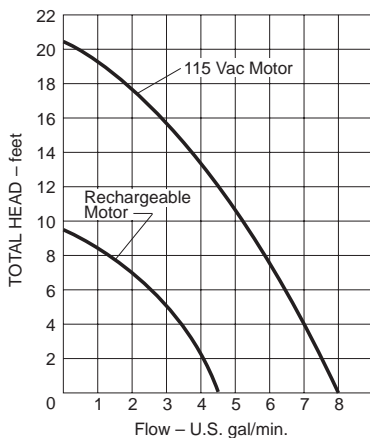


**23640-9115**  
**23650-series**



**23790-9000**

### Head vs. Flow Chart



For Metric conversion of performance and dimensions, refer to Engineering Data.

### Accessories for 16000-series Drum Pumps



**Adjustable Nozzle**  
18753-0077



**Storage Bracket**  
16470-0000



**Drum Adaptor**  
18753-0080



**Ground Wire**  
16471-0000



**Strainers**  
polypropylene - 16490-1000  
Tefzel - 16490-1001



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