VERTIFLO

The Vertical Pump Specialists

PUMPS FOR INDUSTRY

CONTENTS:

 0407

VERTIFLO SERIES 1600

Quality Design Features Assure Long, Trouble-Free Service

WIDE RANGE OF APPLICATIONS:

- Food Processing Solids
- Waste Water Treatment
- Pollution Control
- Slurries
- Industrial Process
- Solids

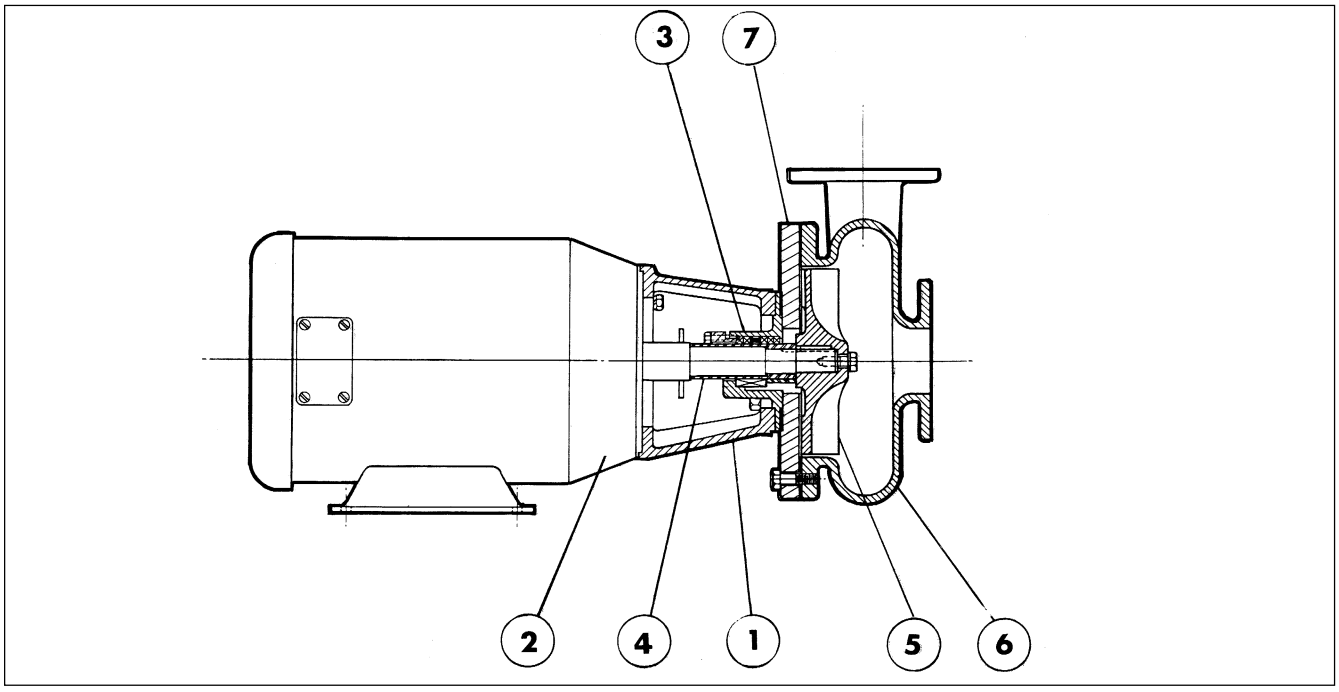
CAPABILITIES:

- Capacities to 1600 GPM
- Heads To 170 Feet TDH
- Temperature to 250°F
- Back Pull-Out Construction
- Fully Recessed Vortex Impeller
- Packing or Mechanical Seal

CONSTRUCTION:

- Cast Iron
- 316 Stainless Steel Fitted
- All 316 Stainless Steel
- Alloy 20
- $CD4MC_u$

Series 1600 horizontal close-coupled end suction pumps are designed for use with any NEMA Standard JP Shaft Motor. VERTIFLO's close-coupled pumps are designed with back pull-out feature. This important feature allows for easy inspection or service/ maintenance (if ever needed) without disturbing the piping to the pump: An important cost saving feature. Packing or various mechanical seal arrangements are available as standard options of this rugged, dependable product.



1. Mounting Bracket
Rugged cast iron design which assures a solid, dependable pump installation and operation. Three brackets fit all pump sizes.

2. Motor
NEMA standard JP shaft extension allows for easy interchangability to packing, standard mechanical seal or optional single or double mechanical seals of various designs and materials of construction.

3. Shaft Sealing
Packed arrangement utilizes a 2-piece split gland, slinger, Teflon® split lantern ring and 5-ring packing set. Grease lubrication is standard with product or water flush available. Wide choice of John Crane and Durametallic mechanical seals of various configurations and materials are optional.

4. Shaft Sleeve
316 stainless steel is standard. Positively driven and gasketed, protecting motor shaft from liquid being pumped.

5. Impeller
Fully recessed design which accommodates passage of solids. All impellers have wiping vanes which reduce axial loading and prevent dirt from entering the sealing area. Impeller is keyed to shaft, and an impeller locking screw assures positive attachment.

6. Casing
Vortex-type concentric design. Extra heavy wall thickness for corrosion allowance. All suction and discharge openings are flanged for installation ease and integrity.

7. Back Pull-Out
All pumps are designed with back pull-out feature which allows for removal of all pump rotating components without disturbing the piping connections.

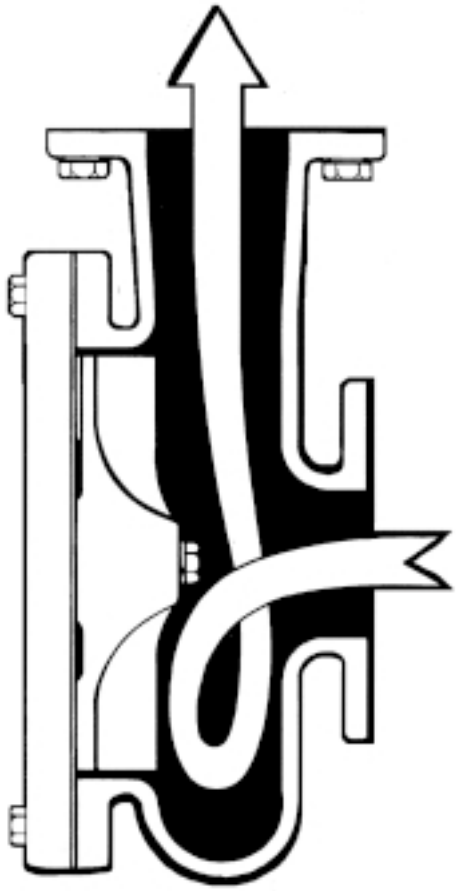
E.I DuPont registered®

Standard

- All iron construction
- 316 stainless steel shaft sleeve
- Fully recessed impeller
- Back pull-out design
- Packed stuffing box or mechanical seal
- Flanged suction and discharge on all pump sizes
- NEMA standard JP shaft motor

Options

- 316 stainless steel impeller
- All 316 stainless steel or Alloy 20 construction
- Single or double mechanical seal (various materials)
- Product or fresh water flush to packing or mechanical seal
- Teflon® packing (standard in s.s. and alloy units)
- ODP, TEFC



Vortex Design provides an unrestricted flow since the impeller is not normally in contact with the solids being pumped.

Design Details	Model 1620	Model 1626
Rotation from driver end	CW	CW
Outside diameter of shaft sleeve	1.250	1.625
Shaft diameter at impeller	0.875	1.250