

VERTIFLO

The Vertical Pump Specialists

PUMPS FOR INDUSTRY

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Product Overview
Vertical Process Pumps Series 600
Vertical Sewage Pumps Series 700
Vertical Sump Pumps Series 800
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Horizontal End Suction Pumps-Vortex Series 1500 and 1600
Horizontal Self-priming Pumps- Centrifugal Series 2100
Engineering Sample Specifications

VERIFLO SERIES 600, MODELS 629 & 636

Quality Design Features Assure Long, Trouble-Free Service



WIDE RANGE OF APPLICATIONS:

- Industrial Spray Washer
- Pickling / Bonderizing
- Spray Booths
- Coolant Systems
- Filtration Systems
- Pollution Control
- E-Coat Paint Systems

CAPABILITIES:

- Capacities to 3000 GPM
- Heads to 230 Feet
- Temperature to 180° F
- Column Extensions of 12", 15" & 21"
- Construction: Cast Iron, 316 Stainless Steel Fitted, 316 Stainless Steel, Alloy 20

600

CONSTRUCTION:

Standard

- All iron construction
- Stress-Proof alloy steel shaft
- External impeller adjustment
- Cartridge type thrust bearing housing and cap
- Double row thrust bearing
- Semi-Open impeller with balancing ring and wiping vanes
- 12" flanged column extension
- Steel cover plate
- Schedule 40 discharge pipe
- Cast iron motor support
- Flexible coupling

Options

- Stainless steel fitted, All stainless steel or Alloy 20 construction
- Pump down feature
- Suction piping
- Column extension available for 15" or 21" extensions
- Oversize cover plates
- Fabricated steel chairs for "T" or "U" frame foot mounted motors

Shaft Sizes

Model Number 629.....2 1/4"
 Model Number 636.....2 1/2"

1. Motor Support

Assures positive alignment of motor and pump shaft with register fit. Normal thrust, vertical NEMA C face motor standard. Fabricated steel chair mount is an option.

2. External Impeller Adjustment

Locking jack screws provide impeller adjustment without dismantling pump or piping

3. Bearings

Grease lubricated, heavy-duty ball bearings- Double row thrust bearing standard

4. Power Frame

Heavy duty cast iron, line bored and machined to assure correct alignment of rotating element

5. Column Closure

Replaceable lip seals prevent moisture and dirt from entering lower bearing

6. Cover Plate

Designed for specific unit. Carbon steel standard, alloy plates optional

7. Positive Machine Fits

Machined registered fits of column, power frame, throttle housing and casing

8. Column Pipe

Schedule 40 steel pipe with welded flanges

9. Shaft

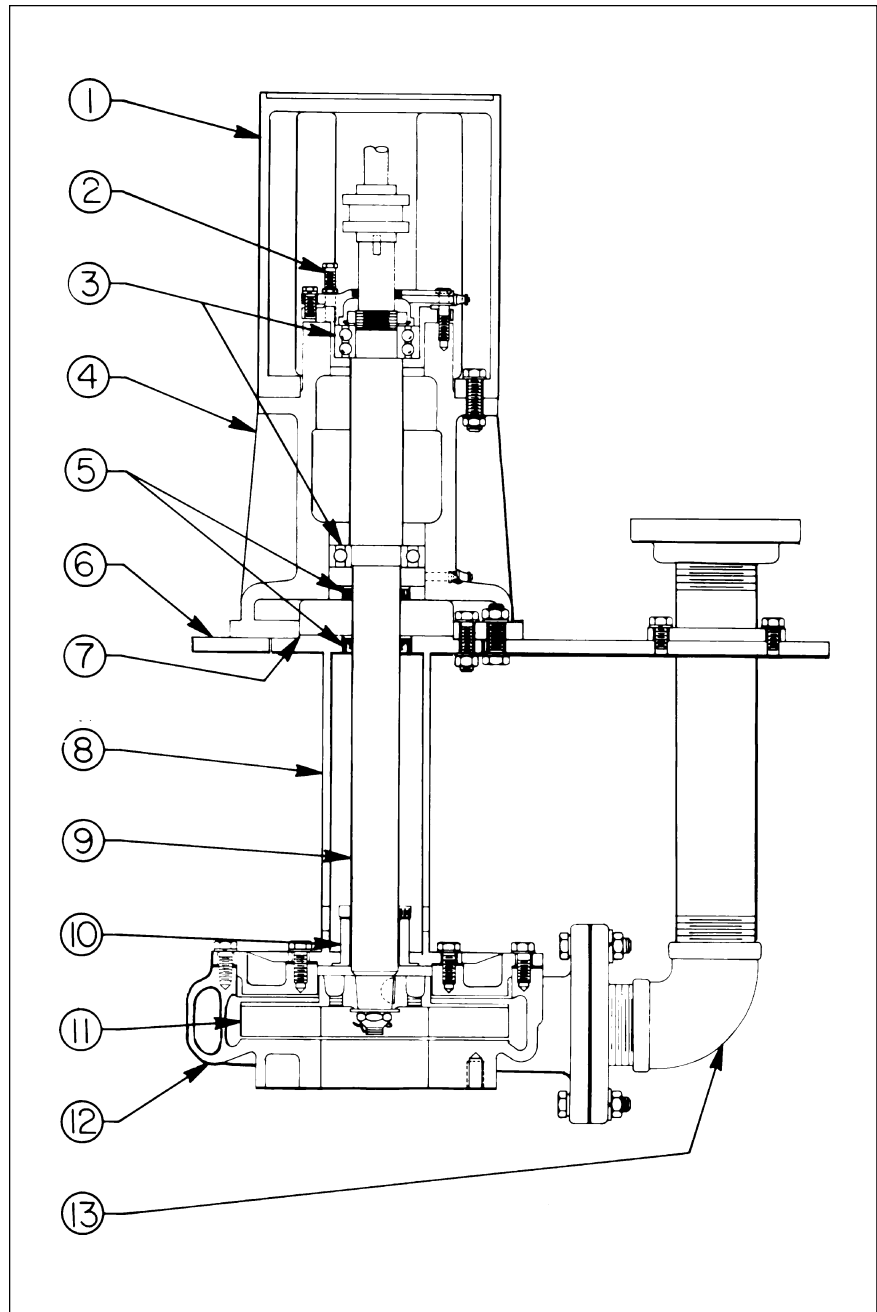
Accurately machined, stress-proof steel assures minimum deflection

10. Throttle Bushing

Register fit assures positive alignment between column and casing. Throttle bushing restricts flow of liquid entering column.

11. Impeller

Semi-open design with balancing ring and wiping vanes for wide range of applications. Secured to shaft by taper fit with woodruff key, castellated nut and cotter pin



12. Casing

Flanged suction and discharge. Double volute design on all 4 X 3 X 10 and larger sizes

13. Discharge Pipe

1" - 2 1/2" threaded; 3" and larger flanged