# Vortex Series Horizontal Pumps

VORTEX V11019-AHSE
1750 RPM

Gusher Vortex Series Horizontal pumps provide years of trouble-free, low maintenance operation in applications with high levels of solids or entrained air.

Vortex pumps handle solids and fibrous materials without clogging. Their design moves liquids and oils containing up to 30% entrained air with no adverse effects on suction performance. Low flows are not a problem for Vortex pumps, as the design allows throttling to a low performance range unacceptable to many centrifugal pumps.
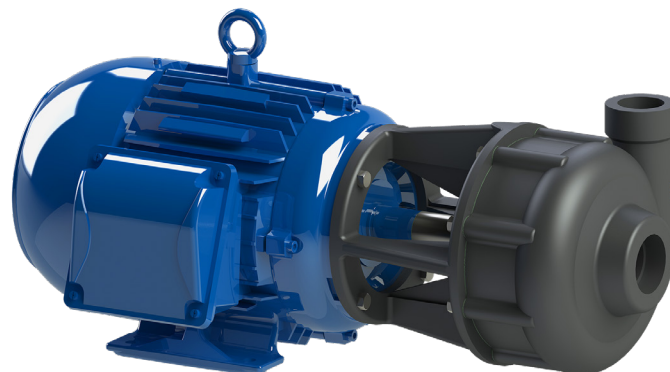
Key Specifications

Type: Vortex Centrifugal Ends Suction
Flow: Up to 110 gpm
Head: Up to 32' TDH
Liquid Temp: Max 180° F
Max Solid Size: .5"

Motor Type: Standard JP Motor
**Intake:** 2"
Discharge: 1.5"
Power: 1 hp, 1.5 hp, 2 hp and 3 hp

Features

• Back pullout design reduces service downtime
• Durable one-piece shaft eliminates risk of coupling misalignment
• Renewable shaft sleeve protects shaft from wear
• Mechanical seal prevents leakage

Options

• Cast Iron, 316 Stainless Steel or 28 Chrome construction
• Choice of 1 or 3 phase motor
• Multiple mechanical seal materials
• Impeller variations: 316 Stainless Steel
• Seal flush line addition
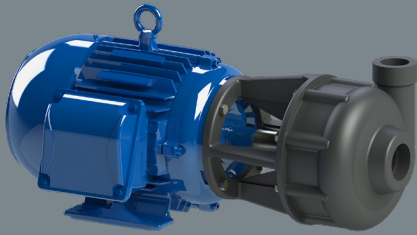
Low Maintenance

• Long service life
• Back pullout design
• Renewable shaft sleeve

Custom Design

• Choice of materials
• Choice of seals
• Choice of impellers

Applications

• Agriculture
• Fibrous Waste
• Sludge
• Shavings
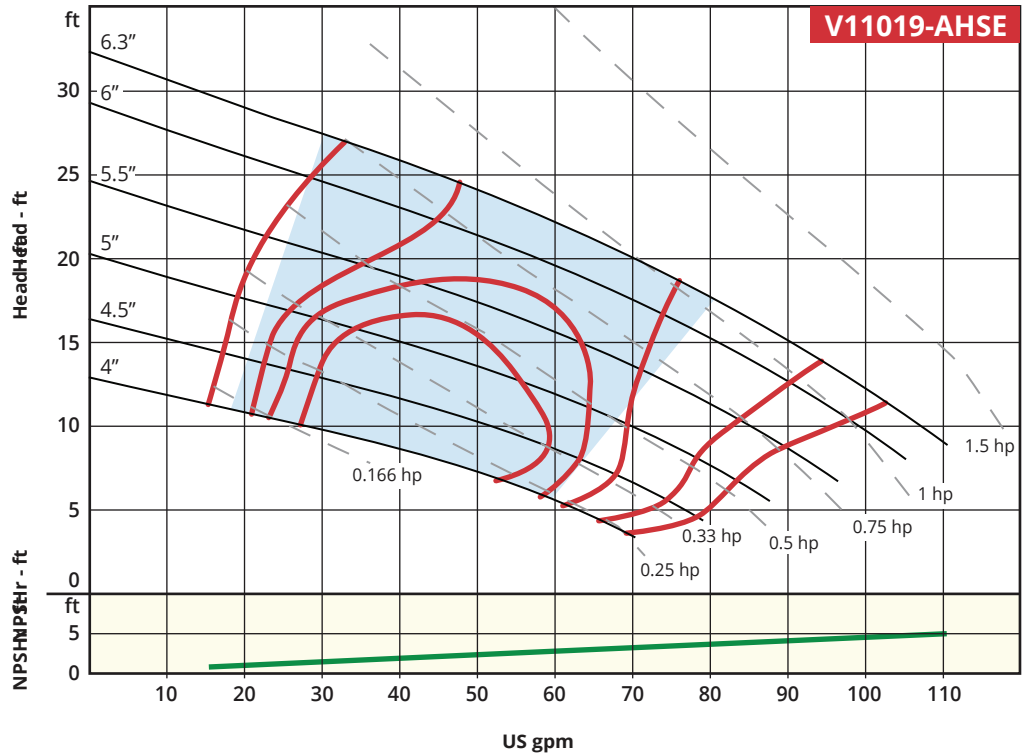• Swarf
• Paper pulp
• Wastewater

GUSHER PUMPS®

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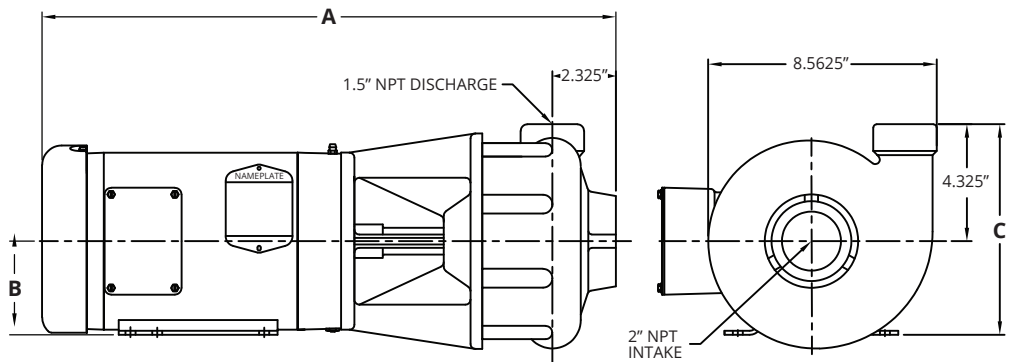
Performance Curve   1750 RPM

Recommended Operating Range

V11019-AHSE

V11019-AHSE are available in 1 hp, 1.5 hp, 2 hp and 3 hp models.
Other hp shown for reference only.

Dimensions*

HP	Total Length (A)	Motor Center to Foot (B)	Total Height (C)	Weight (lbs)
1	22.00"	3.50"	8"	80
1.5	22.50"	3.50"	8"	90
2	22.50"	3.50"	8"	95
3	22.00"	4.50"	9"	120

*For reference only; not for construction. Contact Gusher Engineering
 for certified drawings.

*Motor dimensions may vary slightly by motor manufacturer