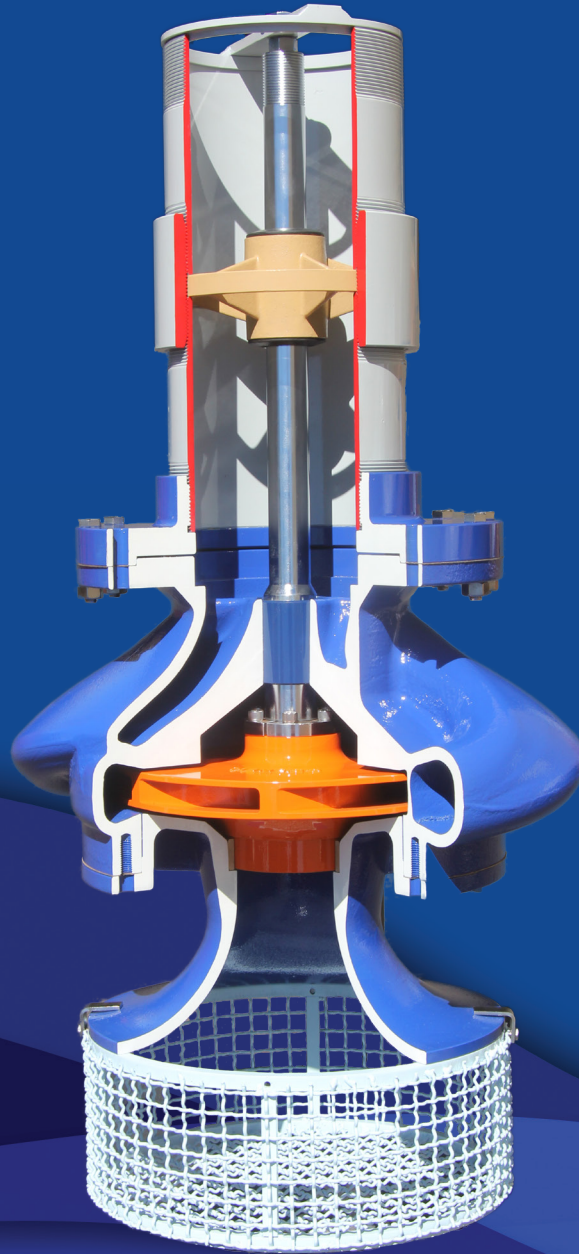




CORNELL PUMP COMPANY
VT SERIES
VERTICAL TURBINE PUMPS



CYCLONE

EFFICIENT BY DESIGN





CYCLONE VERTICAL TURBINE PUMP

A NEW TWIST ON A PROVEN DESIGN

Cornell Pump's VT pump series (Cyclone) relies on our demonstrated superior hydraulics, in a submerged design. The proven quality of Cornell RB series is recast into a short set vertical turbine pump. Boasting energy efficiencies up to 89%, with no priming required, the Cyclone is the vertical turbine you'd expect from the industry leader in centrifugal pumps. Designed for ponds, rivers, canals, sumps, and dewatering applications, the VT series fills a niche where end users need robust design, quality build, proven hydraulics, and Cornell's renowned two-year warranty for peace of mind.

Cyclones are mighty and memorable. That is why we named our new Vertical Turbine (VT) series after this force of nature, because it delivers such a powerful promise.



NEW!

Discharge Head: Robust cast iron construction ensures long life. Industry standard configuration for VHS motors.

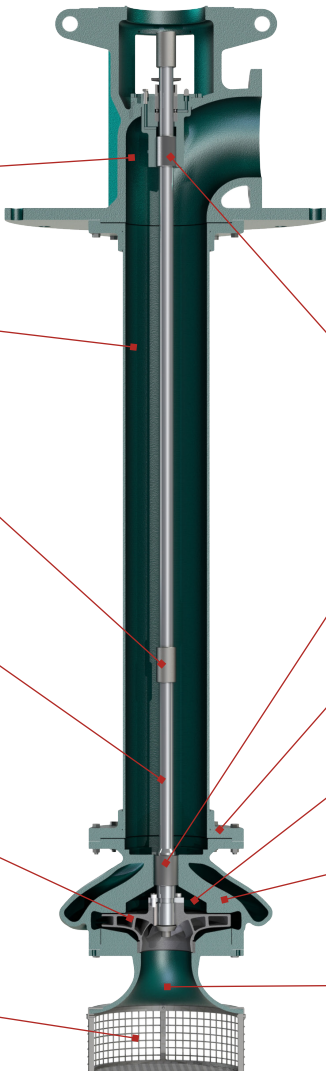
Column: Industry standard column allows use in various piping configurations.

Lineshaft coupler: Self-tightening lineshaft couplers ensure pump life and durability.

Pump Shaft: Carries the impeller hydraulic loads. Made from heavy duty 416SS, for added strength and corrosion resistance.

Impeller: Enclosed impeller improves efficiency while still passing up to a 1.31" solid. Standard with a key and lock screw for improved durability and strength.

Stainless Steel Suction Strainer: Keeps out solid materials from liquid source.



CORNELL QUALITY BUILD

All Cornell pumps are designed to highest standards for efficiency and long life. The Cyclone continues that proud tradition with numerous features that enhance the durability, efficiency, usefulness, and longevity of the pump.

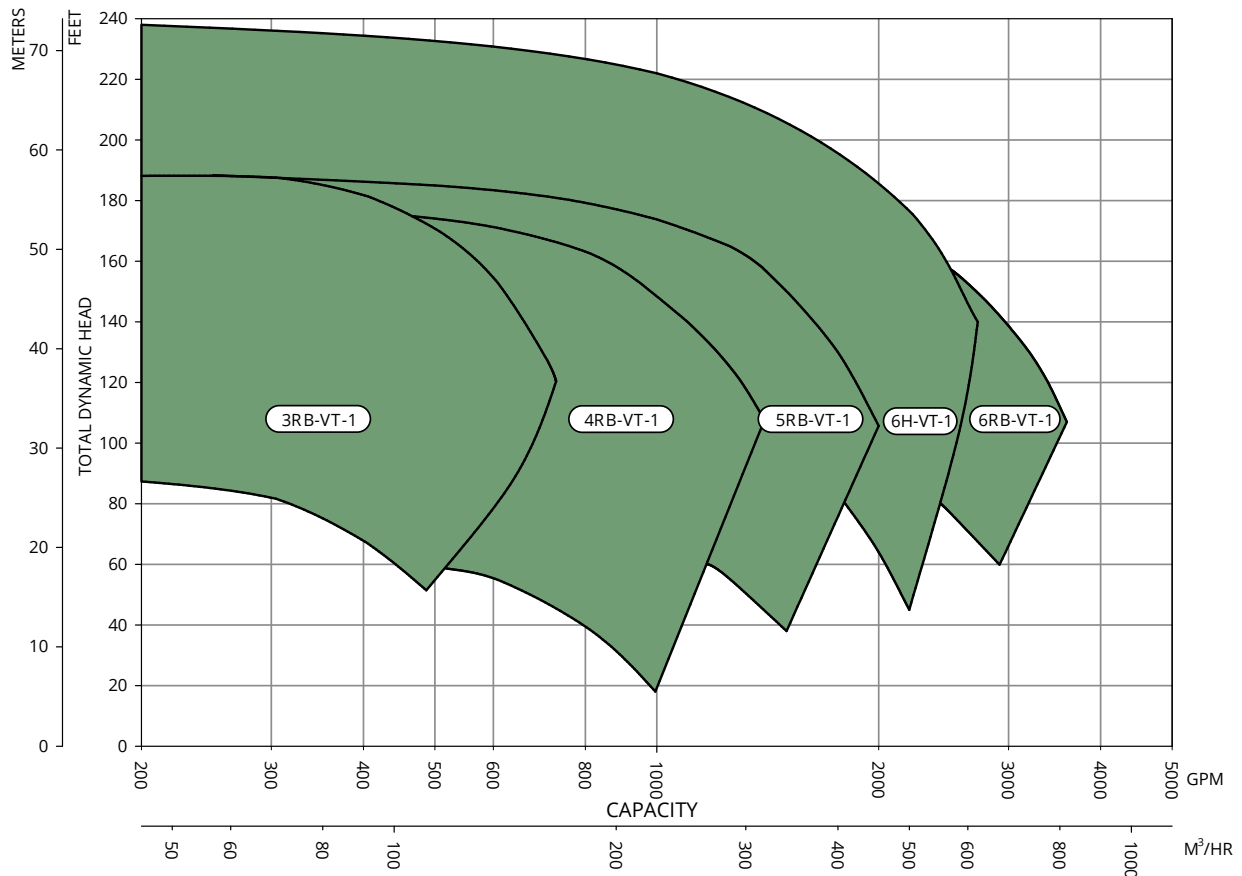
Bearings: Bowl, lineshaft and stuffing box bearings carry shaft loads

Column Adapter: Adapts pump discharge to multiple column sizes and configurations.

Wear Rings: Replaceable; maintains performance and pump life

Spiral-Shaped Bowl: Epoxy lined, improved performance and efficiency.

Suction Bell: Improves inlet flow to the bowl - optimizes inlet velocity into the pump.



FEATURES AND BENEFITS

Spiral bowl construction: Improves flow path and pump efficiency.

Fewer stages to replace and maintain: improved uptime and reduced costs.

Two-year warranty: industry-leading protection.

VFD Operable: useable at various speeds for maximum energy savings.

Large bearings: Product lubricated.

Keyed and bolted impeller for positive drive.

Cast Discharge Head for improved efficiency.

Wide flow range per model.

Large diameter shafts for minimal deflection, less wear.

Industry-standard column, shaft & lineshaft bearing construction.

MARKETS	Ag, Industrial, Municipal, Mining
SIZE RANGE	6, 8, 10, & 12" discharge / 15, 20, 25, & 30 cm
FLOWS	Up to 3,600 GPM / 817 m³/h
HEAD	Up to 225' (69 m) – First Stage
HP	Up to 150 HP
DRIVER	Industry-standard vertical hollow shaft motors
MAX. SOLID SIZE	1.31" / 3.3cm (6RB)
LIQUIDS	Clear/grey liquids including water and waste water
MATERIALS OF CONSTRUCTION	
BOWL	Epoxy-lined cast iron
IMPELLER	316SS
SHAFTS	416SS
DISCHARGE HEAD	Cast Iron
SUCTION STRAINER	300 series SS

VT SERIES SPECIFICATIONS



MARKET AND PRODUCT LINE



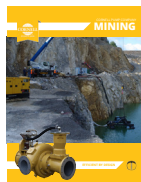
AGRICULTURE



FOOD PROCESS



INDUSTRIAL



MINING



MUNICIPAL



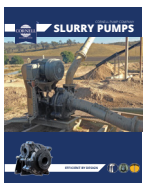
WATER TRANSFER



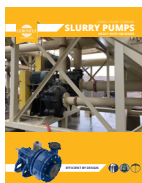
REFRIGERATION



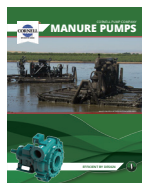
CONSTRUCTION



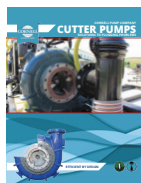
SLURRY



SLURRY SM



MANURE



CUTTERS



SELF PRIMING



V SERIES



MX SERIES



N SERIES



Q-MAX



EDGE™



HYDRAULIC SUBS



IMMERSIBLE



CD4MCU



RUN-DRY™



PRIMING SYSTEMS



CYCLOSEAL®

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Cornell pumps and products are the subject of one or more of the following U.S. and foreign patents: 3,207,485; 3,282,226; 3,295,456; 3,301,191; 3,630,637; 3,663,117; 3,743,437; 4,335,886; 4,523,900; 5,489,187; 5,591,001; 6,074,554; 6,036,434; 6,079,958; 6,309,169; 2,320,742; 96/8140; 319,837; 918,534; 1,224,969; 2,232,735; 701,979 and are the subject of pending U.S. and foreign patent applications.

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