



*Specialist for Pumping Technology*

INNOVATION  
EFFICIENCY  
QUALITY



**VAF**

Vertical Axial Flow, Wet-Pit Propeller Pumps

## For more than 60 years the name Ruhrpumpen™ has been synonymous worldwide with innovation and reliability for pumping technology

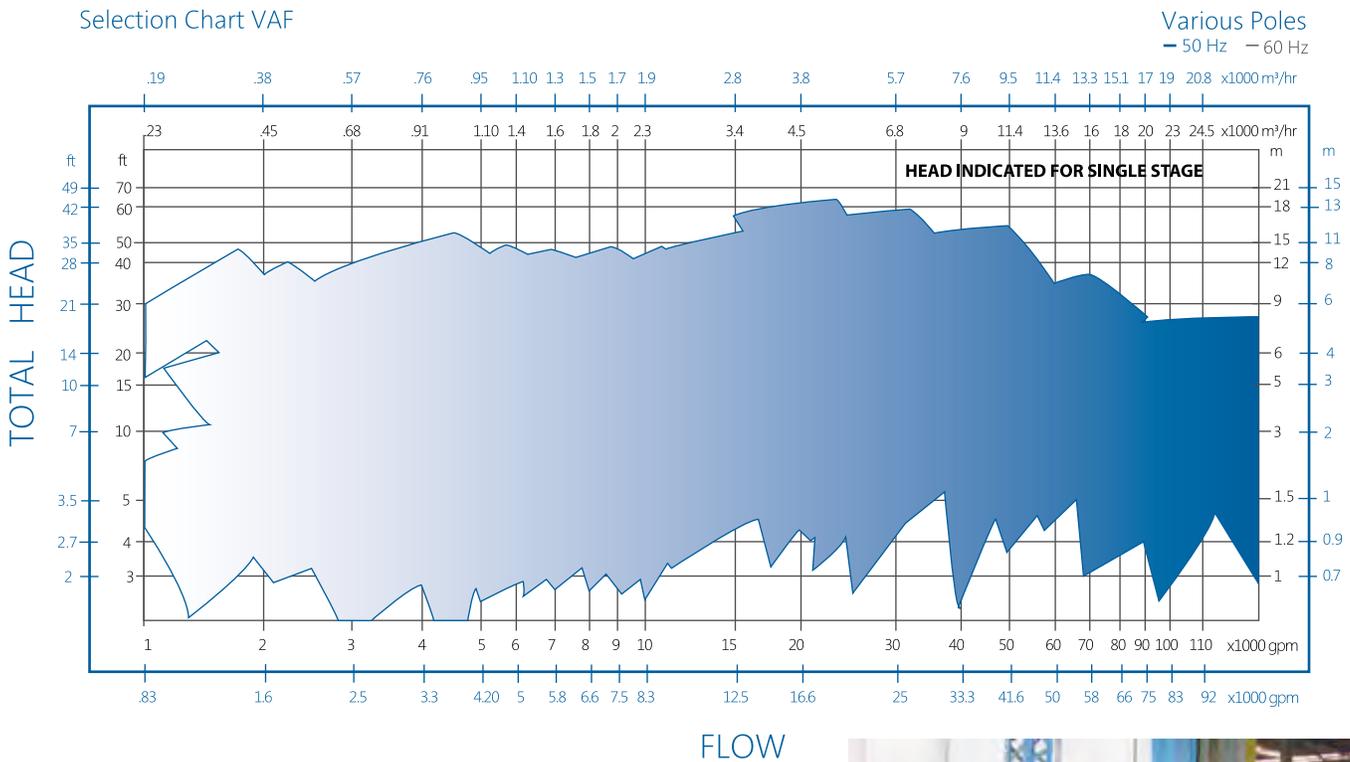
Ruhrpumpen is an innovative and efficient centrifugal pump company that offers operators of Pump Systems a wide range of quality products. Ruhrpumpen is committed to worldwide excellence, with a complete range of pumps to support core markets such as Petrochemical, Oil & Gas, Power, Heavy Industry Applications, Mining and Water. Our broad product line complies with the most demanding quality standards and industry specifications such as: API, ANSI and Hydraulic Institute Standards.

The Ruhrpumpen Vertical Wet Pit Axial Flow Pumps are unmatched in quality, standardized design and construction to meet the demanding requirements of continuous pumping operation. Compare the many superior features of these pumps that contribute to long dependable service life.

Qualified specialists in all departments ensure the pumps and equipment from our facilities are able to operate under the most severe conditions.

Intensive research and development ensures that the products of Ruhrpumpen are continuously improved to meet the latest technical requirements.

### Performance Range

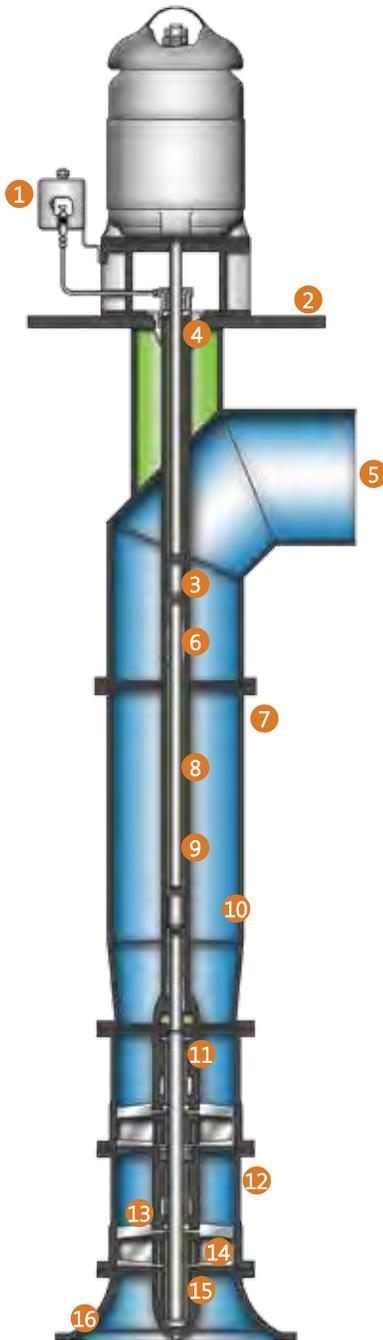


### Broad Application Range

All applications that require large quantities of water with low head, like drainage, waste water, flood control, irrigation, waste treatment plants, underpass drainage, condenser cooling, construction dewatering, ditch pumps, raw water intakes.



## Characteristics



- 1 Drip-feed oil lubrication (manual or solenoid) supplies all other bearings.
- 2 Floor plate is an integral part of the discharge elbow or column pipe.
- 3 Lineshaft couplings are designed to maintain alignment between adjacent sections of lineshaft.
- 4 Tube tension bearing.
- 5 Discharge elbow made with plain round end to accommodate a flexible coupling, over surface is available.
- 6 Lineshaft bearings are removable and provide a means of passing oil from one bearing to the next.
- 7 Heavy Duty column provided with adequate lifting lugs.
- 8 Lineshaft enclosing tube supports lineshaft bearings and prevents leakage of lubrication.
- 9 Lineshaft is able to transmit full-load torque, and is interchangeable from one section to the other.
- 10 Lower section of column can be tapered for flanged connection to the discharge bowl.
- 11 Stainless-steel pump shaft.
- 12 Cast-Iron discharge bowl.
- 13 Shaft sleeve.
- 14 One-piece cast-bronze propeller. Other materials available on request.
- 15 Suction Bowl bearing with grease lubrication.
- 16 Cast Iron flanged suction bell.

### PRODUCT DESCRIPTION

- Multistage vertical centrifugal pump, diffuser type bowl.
- Axial flow impeller, high efficiency.
- May handle solids up to 14" diameter (365 mm).
- Counter clockwise rotation viewed from shaft.
- Optional basket type strainer.
- Umbrella to minimize vortices.

### PERFORMANCE DATA

Capacity	up to 320,000 U.S. gpm	72,700 m <sup>3</sup> /h
Head	up to 90 ft	28 m
Discharge flange size	up to 54"	
Max. Pressure	up to 75 psi	5.2 bar
Temperature	32 to 203°F	0 to 95°C

For pump operations outside this range, please contact a Ruhrpumpen representative



## RUHRPUMPEN PLANTS

-  USA, Tulsa & Orland
-  MEXICO, Monterrey
-  BRAZIL, Rio De Janeiro
-  ARGENTINA, Buenos Aires
-  GERMANY, Witten
-  EGYPT, Suez
-  INDIA, Chennai
-  CHINA, Changzhou
-  UK, Lancing

More Information:

