pump & abrasion TECHNOLOGIES

VERTi Range

Maximize air release and mineral liberation for froth applications.

Improved NPSH, higher flow, increased pump efficiency.

01 Belt guard	07 Casing clamp bolt assembly
02 Adjusting bolt assembly	08 Upper gasket
03 Bearing assembly	09 Inlet
04 Bearing clamp assembly	10 Lower gasket
05 Rubber lined tank	11 Impeller
06 Flange flush port	12 Volute casing

REPLACE YOUR OUTDATED SLURRY TECHNOLOGY

Maximize Air Release

At Pump and Abrasion Technologies we have created a new range of Curve® Vertical pumps designed to maximize air release for froth applications. The result is a higher capacity at higher efficiency, pumping free of irregular pump cycles caused by air locking. Our Curve® Verti pumps are designed to be easy to use, cost-effective, and reliable, ensuring much longer wear life and the lowest possible total operating cost.

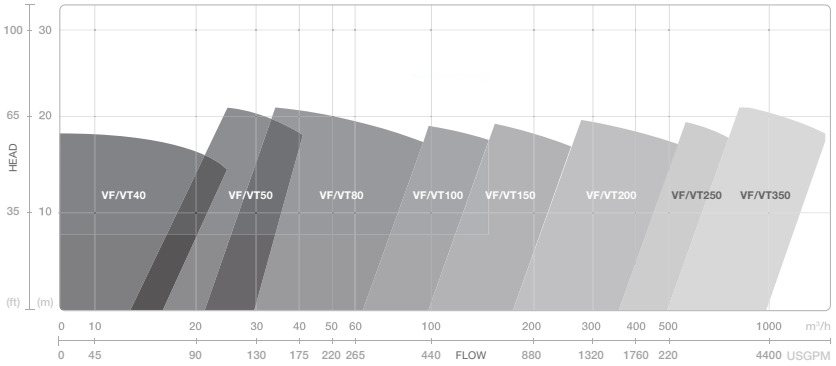
- Single unitary design minimizes space requirements.
- Wear parts available in chrome, rubber and polyurethane.
- Cantilever design helps isolate the bearing assembly from froth.
- Ease of maintenance - wear parts are easily accessible.

Design Benefits & Value

The spiral vane design enhances the fundamental separation process of air and slurry. The increased surface area produces enhanced centrifugal forces, stimulating further air release from the froth. This in turn provides a higher pumping efficiency and ultimately higher mineral yield. The conical tank spiral vane design causes more air to be released from the froth, resulting in **improved NPSH**, **higher flow** and **increased pump efficiency.**

- Tri-axial bearing adjustment allows for optimal efficiency & minimal wear.
- Tri-axial guard adjustment allows for easy installation and fitment of drives.
- Rubber-lined tank & shaft guarantees longer life.
- Angled flushing inlet.
- Wet-end components are easy to use and maintain.
- High-chrome wet-end components maximize the product life.

Flow Coverage Map

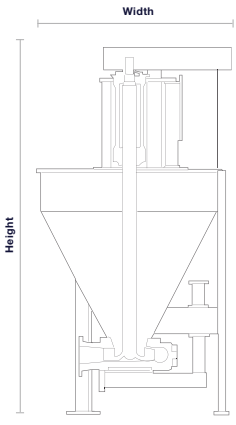


The minimum data required in order to approximate which pump speed and drive-motor to select is; the slurry flow rate, the type of froth, the slurry density and total discharge head.

Pump Dimensions

Pump discharge (inches)	Height (inches)	Width (inches)	Weight (pounds)
VF/VT 40 | 1.6"	45	31	265
VF/VT 50 | 1.9"	63	31	783
VF/VT 80 | 3"	89	39	1334
VF/VT 100 | 4"	106	55	2150
VF/VT 150 | 6"	106	55	2414
VF/VT 200 | 8"	148	73	5952
VF/VT 250 | 10"	148	73	6393
VF/VT 350 | 14"	177	85	12247

Weight figures are for metal parts. For rubber parts reduce weight by 10%.



pump & abrasion® TECHNOLOGIES

When Put To The Test, A Curve Slurry Pump Outperforms And Outlasts Any Other Slurry Pump On The Market.

We are a focused OEM, providing our customers with innovative pump system solutions & products that reduce the impact & extend the life of slurry pumps.

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Our Global Presence:

From east-coast of Australia to the west-coast of America, we have pump system specialists across the globe available to support your operation.

Contact Pump & Abrasion Headquarters For More Information:

Pump and Abrasion Technologies® USA
5577 South Country Club Road, Tucson, Arizona 85706
Tel: +1 520 873 7161 | Email: salesUSA@PABTglobal.com

Pump and Abrasion Technologies® South Africa
592 Barolong Street, Unit 1, Icon Industrial Park, Sunderland Ridge, Centurion
Tel: +27 (0)12 666 0904/5 | Email: salesSA@PABTglobal.com

Pump and Abrasion Technologies® Australia
10 Remisko Drive, Forrestdale, WA, 6112 Perth, Western Australia
Tel: +61 (08) 9707 2682 | Email: salesAUS@PABTglobal.com

Pump and Abrasion Technologies® Canada
2054 Kingsway Blvd, Sudbury Ontario, Canada, P3B 4J8
Tel: +1 705 222 1753 | Email: salesCANADA@PABTglobal.com

pabtglobal.com

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