Performance Ranges and Material Options

AVZ Performance

Head up to 160 m / 525 ft Capacity up to 2,500 l/s / 40,000 USgpm Temperature max. 180 oC / 355 °F Frequency 50 or 60 Hz Pressure up to 1.6/2.5 MPa / 230/360 psi, depending on material and size. Closed, low flow, open, special open, low pulse and high efficiency non-clogging vortex impellers.



NVZ Performance

Head up to 90 m / 295 ft Capacity up to 550 l/s / 8,700 USgpm Temperature max. 180 oC / 355 °F Frequency 50 or 60 Hz Pressure up to 1.6 MPa / 230 psi. depending on material and size.

Non-clogging closed and non-clogging vortex impellers.

WVZ Performance

Head up to 110 m / 360 ft Capacity up to 2,000 l/s / 32,000 USgpm Temperature max. 180 oC / 355 °F Frequency 50 or 60 Hz Pressure up to 1.6 MPa / 230 psi, depending on material and size. Wear-resistant closed, wear-resistant

special open and wear-resistant non-clogging vortex impellers.

Material Options



Contact









Centrifugal Pump The Heart of your process



@Waterpumptn

www.venz.co.th

An Impeller Tailored to Each Liquid

Closed Impeller

is used for pumping clean liquids or liquids containing some impurities. For pump types: APP EPP



Non-Clogging Closed Impeller

is used for sludges or slurries containing large solid particles. For pump types: NPP NRP NSF



Open Impeller

is designed for liquids containing solid particles abrasive liquids or stock up to 8 % consistency. For pump types: APP



Special Open Impeller

is suitable for liquids containing larger solid particles and long fibers, abrasive liquids or stock up to 8 % consistency. For pump types:





Low Pulse Impeller

is designed and manufactured to minimize pressure pulsations. For pump type: APP



Vortex Impeller

is suitable for liquids containing large or long solid particles or abrasive liquids. For pump types: NPP



Wear-Resistant Closed Impeller

is used for pumping both erosive and corrosive liquids or slurries containing solid particles. For pump types:

WPP WRP WSP



Wear-Resistant Open Impeller

is suitable for liquids with larger solid particles and long fibers, abrasive liquids or stock up to 8 % consistency. For pump types: WPP WRP WSP



Expanded VENZ Process Pumps

A double volute casing in larger VENZ pumps reduces radial forces and shaft deflec-tion. Self-Priming S Self-priming pumps with an internal vacuum pump are designed for selfpriming The self-venting, top centerline casing purposes and to pump gascontaining prevents air lock in the top of the casing. liquids. The sideplate is adjusted externally to maintain a constant impeller clearance and continuous high efficiency. ROTOKEY impeller mounting provides strong, reliable power transmission. It is self-locking and reverse rotation safe. ROTOKEY facilitates the installation and removal of the impeller. It is ίΕ not sensitive to axial loads created during pump operation. 00 A-Hydraulics Designed for pumping clean, abrasive

Bearing Unit Simplified heavy-duty bearing unit design ensures reliability.

Grease Lubrication Temperature of pumped liquid max. 120oC

Oil Lubrication Temperature of pumped liquid max. 180oC (EPP 210oC)

Heavy-duty shaft. Deflection at stuffing box less than 0.05 mm. High strength duplex stainless steel is standard shaft material.

Non-contacting bearing protection for the combined advantages of labyrinth ring, deflector and lipseal. Lipseal protects

or corrosive liquids especially stocks of various kinds.





in standstill position

Strong and rigid bearing support foot improves mounting stability and maintains solid support.



N-Hydraulics

Non-clogging process pumps are the right solutions when the liquid contains large or long particles.

A wide selection of shaft seals is available to meet the needs of each specific application. Dynamic seals and ready fitted mechanical seals suit all requirements.

W-Hydraulics

Wear-resistant pumps guarantee reliable pumping when the liquid is very corrosive and/or abrasive.



Air-Separating R

Air-separating pumps with an external vacuum pump are particularly applicable for pumping gas-containing liquids.

Others

VENZ hydraulics are also utilized in NVP non-clogging vertical process pumps and NKP/WKP non-clogging cantilever pumps. EPP hot liquid pumps for industrial processes where the system pressure is high and pressure or temperature strokes occur.

