**General**

- Designed in accordance to international standard of ISO 2858, "Vector" is a range of monoflo single-stage, vertical centrifugal pumps, with in-line flanged suction and discharge ports, driven by an electric motor. The compact design allows for simple piping and easy installation.
- The vertical in-line construction allows for easy maintenance, while the integrated drive unit allows for quick replacement of components.

**Design Features**

**IN-LINE CONSTRUCTION**
- The suction and discharge flanges are on a common centerline, 180 degrees apart, and are easily accessible for maintenance. When installed, the pump becomes an integral part of the system, making it easy to service.
- The impeller is directly mounted onto the motor shaft, ensuring a direct drive for efficiency and reliability.

**TAPER MOUNTED IMPELLER**
- The hydraulically & dynamically balanced impeller is taper mounted to the shaft, ensuring balanced impellers and easy removal for maintenance.

**BACK PULL-OUT FEATURE**
- External drive assembly, allowing for easy maintenance and servicing of the pump head, while the casing remains in place.

**Applications**

**BUILDING SERVICES**
- General water transfer & pressure boosting of water in heating & air conditioning systems, fire protection, landscaping & water feature applications.

**INDUSTRIAL**
- General liquid transfer & circulation in industrial processes, in machine tool cooling, heat exchanger, and other manufacturing processes. Also applicable in marine & shipbuilding applications.

**AGRICULTURAL & FARMING**
- Agricultural irrigation & sprinkler systems.

**ISO 2858**

**Single Stage Vertical**

**In-line Back Pull-out**

**Centrifugal Pump**

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For inquiries, services & spare parts, visit [www.monoflopumps.com](http://www.monoflopumps.com).

**As MONOFLO Pumps is constantly improved, we reserve the right to make specification changes without prior notice and without incurring liability.**

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** tradition | variability | solution | Vector

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[Image of Vector pump and performance range chart]
The heavy duty stainless steel stub shaft connects the motor shaft and impeller. By being a stub shaft it gives the user a flexibility in their choice of motors. In addition, where the motor is cast iron, a standard motor can be installed immediately to reuse operation.

**SHAFT SEAL (MECHANICAL SEAL)**

As standard, Vector is installed with a mechanical seal to prevent leakage around the shaft. Depending on the type and conditions of medium pumped, various sealing materials are available as options.

**WEAR RINGS**

Both the casing and backplate are fitted with replaceable wear rings. They prevent the pump casing from wear and allow simple maintenance of proper running clearances to reduce maintenance costs and maintain operating efficiency.

**ROTATING HYDRAULIC ASSEMBLY**

Computer Fluid Dynamics (CFD) software aided, Vector’s hydraulically-balanced, end-suction type impeller is designed for optimum efficiency. It is keyed to the taper end of the motor shaft for a precise drive, and微商 by means of a weather and an impeller bolt. The ‘proper mount’ facilitates easy removal of impeller during servicing.

**SUPPORT FEET**

Support feet are integral casted at the volute casing. The pump base option is to be directly referenced the floor or bolted as an optional base if a foundation is preferred.

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