

the **dynamics** of water



vertical pumps

always the



right option

As our country is always fighting to manage the dynamics of water, it figures that DP-Pumps, as a Dutch company, is specialist in the field of pumps and pump systems. Years of experience created our range of vertical multistage centrifugal pumps DPV.

High quality materials, wide range of applications

Every application has its own demands. The DPV is available in many configurations and materials, making the pump suitable for many applications within a wide temperature range.

Durability

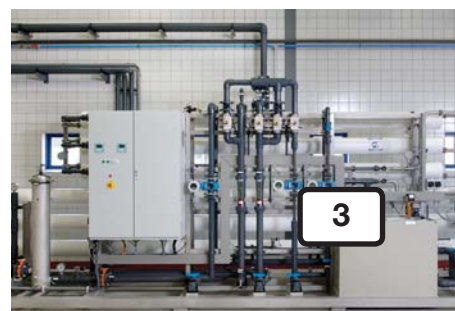
Every DP pump is durable to guarantee reliability. The basis of every pump is a solid stainless steel hydraulic assembly, AISI 304 (DPVE, DPVC and DPV) or AISI 316 (DPVS and DPLHS). The latter makes the pump perfectly suitable for industrial applications.

Optimum efficiency

Low energy consumption at large volumes is of course of utmost importance. Our Research & Development department uses the most advanced software and testing facilities in the field of hydraulics. As a result we have developed a highly efficient, durable pump range we are proud of.

Private label

Our aim is to support companies all over the world with knowledge and high quality products. Both products and support can be adjusted to your company. Our range of DPV-pumps is available with DP-label or private labeled. The private labeled pumps are equipped with a private label type shield. Operating & Installation Instructions, available in most common languages, can also be private labeled as an option.



technical features

Long lifetime electric motor

- Wide choice in voltages and frequencies
- IP55
- Insulation class F
- Improved efficiency
- Temperature protection

Optional thrust bearing housing

- For applying other types of motors

Shaft seal

- Spring loaded DIN seal with bellow construction and the possibility to adapt the seal material combinations to the application
- Long lifetime
- Cartridge seal for models with heavy motors

Shroud

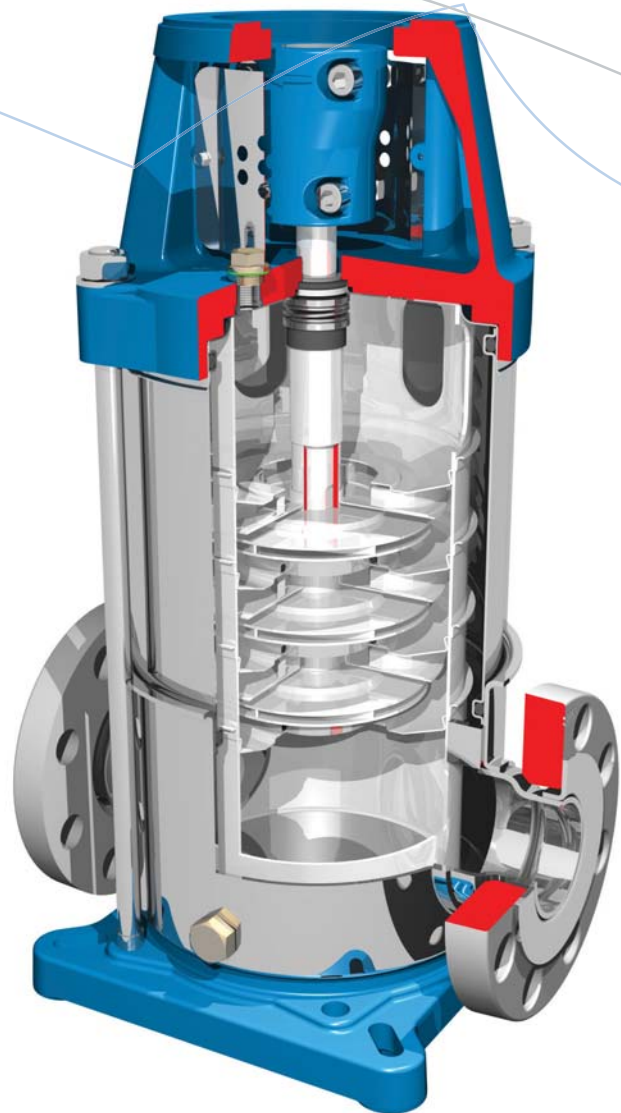
- Total compensation of thermal expansion
- Specially shaped o-ring grooves for optimal sealing

Hydraulic assembly

- VE, VC and V: stainless steel AISI 304
- VS and LHS: stainless steel AISI 316

Pump foot

- Easy connection
- Threaded, sliding flange, oval or victaulic
- Materials adaptable to application



Plugs

- For filling and draining
- Safe de-aeration plugs optional

Solid base plate

- Powder coated 100 μm
- Universal connection

wide range of applications

As a wide range of materials and options regarding temperature and pressure classes are available, the DPV is suitable for a wide range of applications.

DPVE

The DPVE is designed for drinking water applications. The pump is smaller and lighter than the normal DPV-range. The non-return valve, which is in most cases obligatory for drinking water applications, is integrated in the discharge casing. The extended motor shaft reduces the number of parts.

Common applications:

- Booster systems
- Drinking water supply systems

DPV

All wetted parts of the DPV are stainless steel, making the pump suitable for pumping drinking water at any location.

Common applications:

- Domestic water supply
- Utility

DPVS

The use of high quality stainless steel AISI 316 in the DPVS makes the pump perfectly suitable for industrial applications handling more aggressive fluids, or industrial processes where the quality of water is of utmost importance.

Common applications:

- Food & Beverage industry
- Pharmaceutical industry
- Chemical and process industry

DPVC

The solid, cathaphoretic coated cast iron pump foot makes the DPVC suitable for process water applications.

Common applications:

- Irrigation
- Cooling water transport
- Hot water transport
- Fire fighting

DPLHS

The DPLHS is especially designed for high pressure industrial applications with pressure demands up to 40 Bar.

Common applications






- Reverse osmosis
- High pressure cleaning



working range

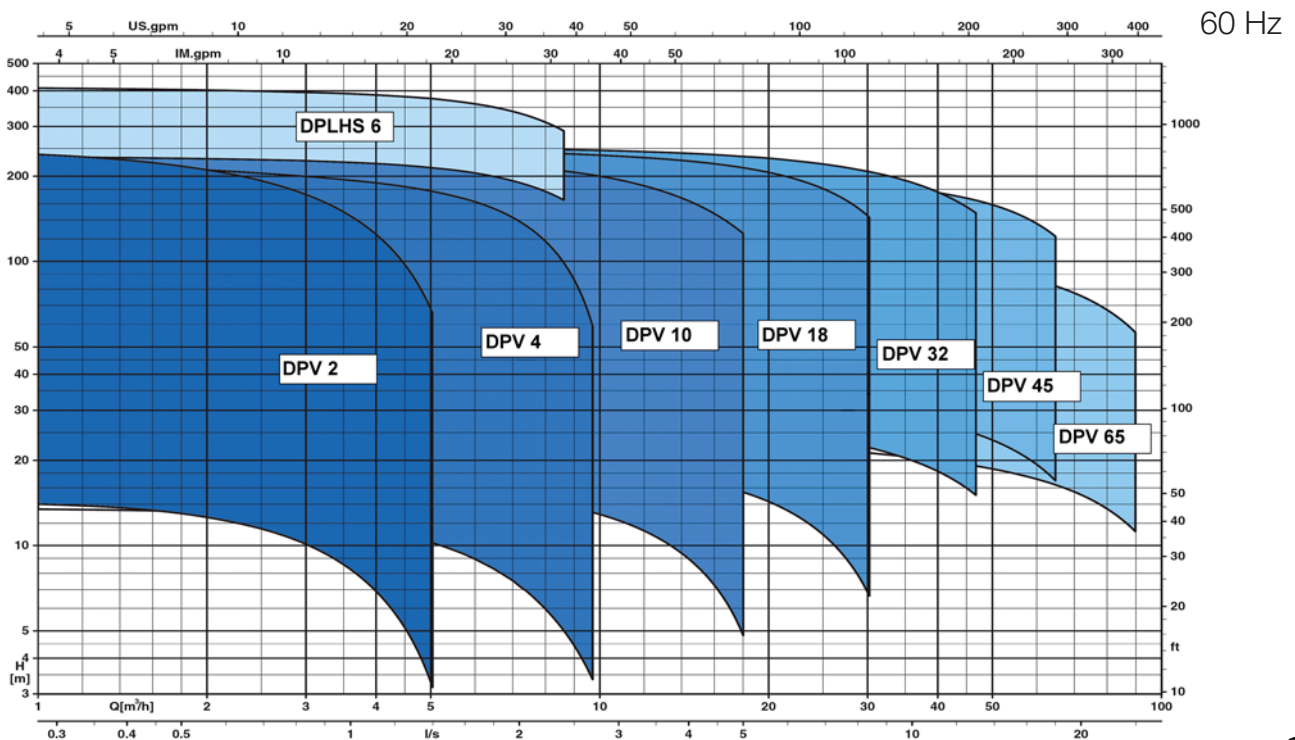
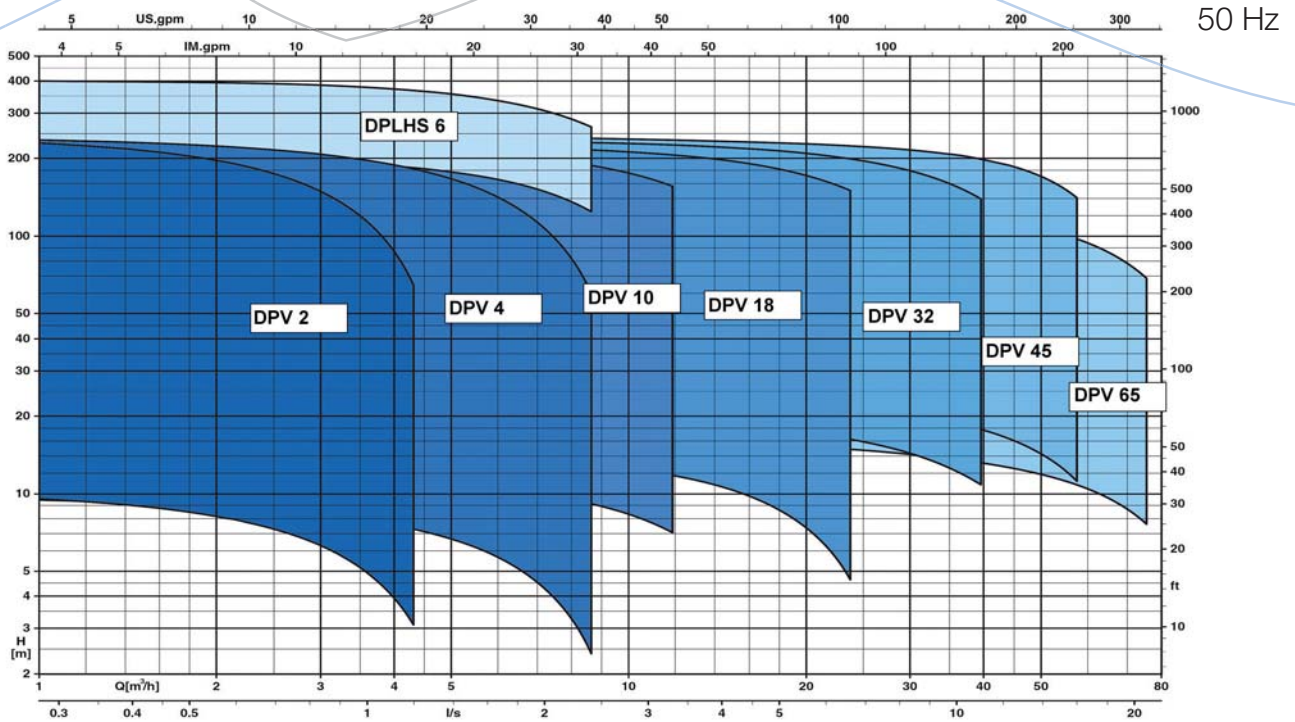
	DPVE	DPV	DPVS	DPVCF	DPLHS
Maximum working pressure	10 Bar	25 Bar			40 Bar
Maximum suction pressure	10 Bar pump pressure	25 Bar pump pressure			40 Bar pump pressure
Temperature medium	-10 up to 60 °C	-15 up to 120 °C			-15 up to 120 °C
Density medium	1000 - 2500 kg/m ³				

connections

					
	DPVE	DPV	DPVS	DPVCF	DPLHS
Connection	Male thread	Oval, round or victaulic		Round	
Basic materials	Cast stainless steel AISI 304	Stainless steel AISI 304	Stainless steel AISI 316	Cataphoretic coated cast iron	Cast stainless steel AISI 316
Counter connection	Optional	Oval standard female threaded, other connections optional		Optional	Optional
Base plate	Powder coated cast iron			Cast to casing	



performance curves





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