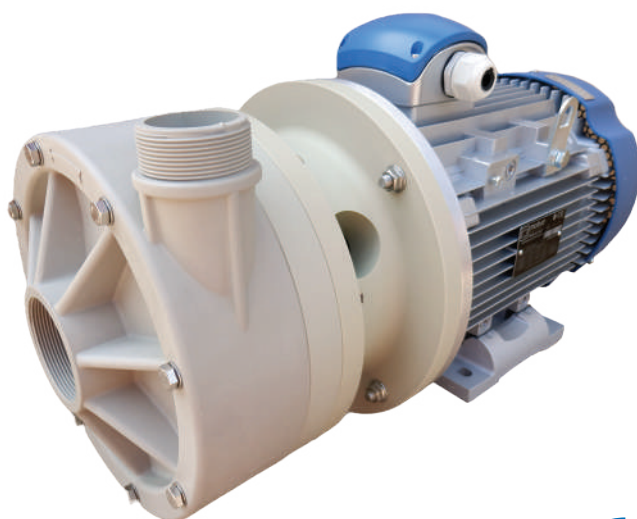


## Features

ADH 160 centrifugal pump with mechanical seal are made of plastic materials (Polypropylene and PVDF) and are suitable for high corrosive liquids. They are operated by a direct-drive motor (max 3000 rpm). Their special open-impeller design allows pumping even with very dirty liquids having apparent viscosity up to 500 cps (at 20°C) and small suspended solids.

There are two versions available with different internal mechanical seal depending on use, A (lip seal) and B (bellows seal.)



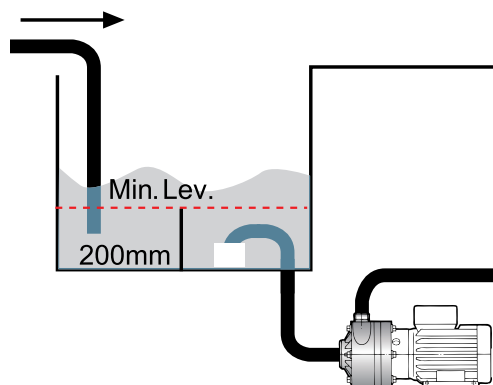
## Technical data

Construction Materials	PP - PVDF
Max. Capacity	55 m <sup>3</sup> /h
Max Head	32 m
Max Temperature	PP 60°C - PVDF 90°C
Max Viscosity	500 cPs
Max.diameter of passing solids	9 mm
Intake / delivery connections	2 1/2 " F x 2" M - DN65 X DN50 on request
Motor	10 HP 380V3/50Hz / 2800 rpm
Pump weight with motor	PP 70 Kg - PVDF 73 Kg

## Installation

ADH 160 horizontal centrifugal pump should be installed with the shaft positioned horizontally in a positive suction head arrangement. Suitable devices should be fitted to prevent dry running and the formation of a vortex and possible air suction. ADH 160 horizontal centrifugal pump should only operate whilst filled.

Running dry or with bubbles can cause damage to the mechanical seal.



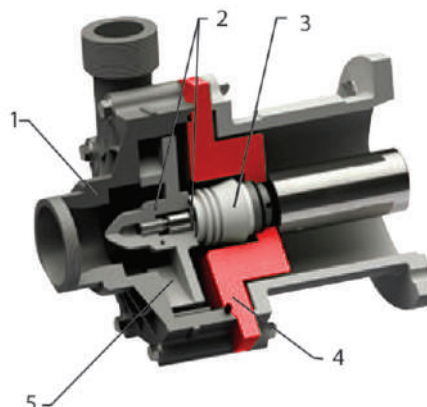
## Description of the Pump

Resin-encased horizontal centrifugal pumps feature a solid pump casing and a lantern for connecting the electric motor and inspection of the mechanical seal. The open impeller is fitted to the pump shaft that is integral with the drive shaft of the electric motor. The shaft mechanical seal is housed at the rear of the impeller.

POS	DESCRIPTION	MATERIAL
1	PUMP HEAD	PP or PVDF
2	O-RING	EPDM or VITON
3	MECHANICAL SEAL	Bellow Seal PTFE SIC/CER or SIC/SIC
4	SHAFT	CERAMIC Al <sub>2</sub> O <sub>3</sub> 99.7%
5	IMPELLER	PP or PVDF

## How it works

The impeller is integral with the shaft and direct drive electric motor and is rotated at a preset speed with the centrifugal effect producing suction on the intake side and discharge on the delivery side.



## Application sectors

Chemical Industry , Galvanic & electronic Industry,  
Water Treatment Industry, Automotive



AUTOMOTIVE



CHEMICAL INDUSTRY

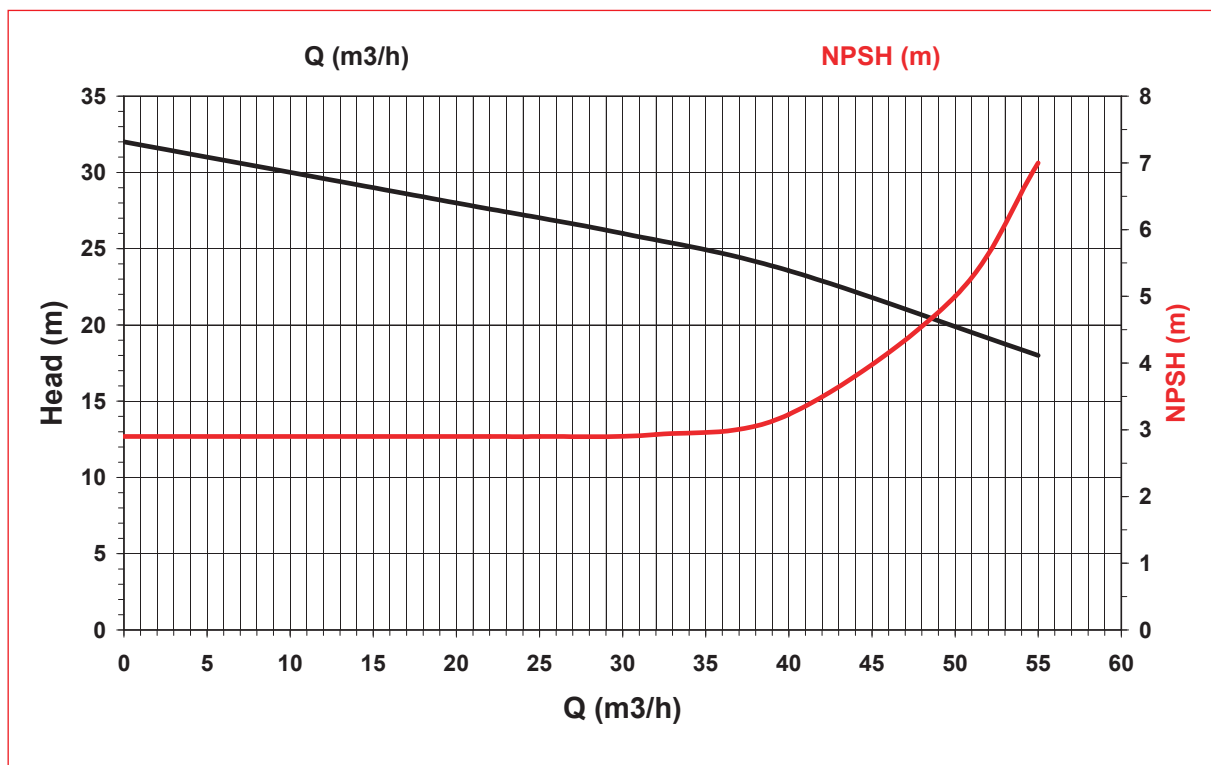


WATER AND SLUDGE  
TREATMENT

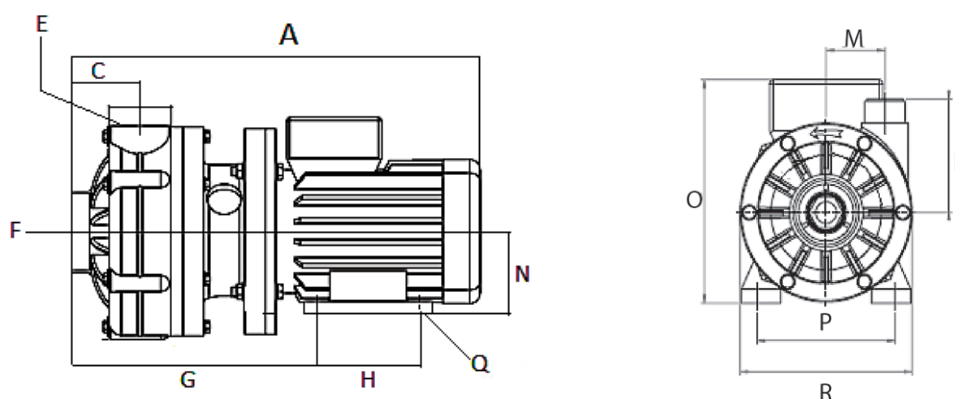


GALVANIC AND ELECTRONIC  
INDUSTRY

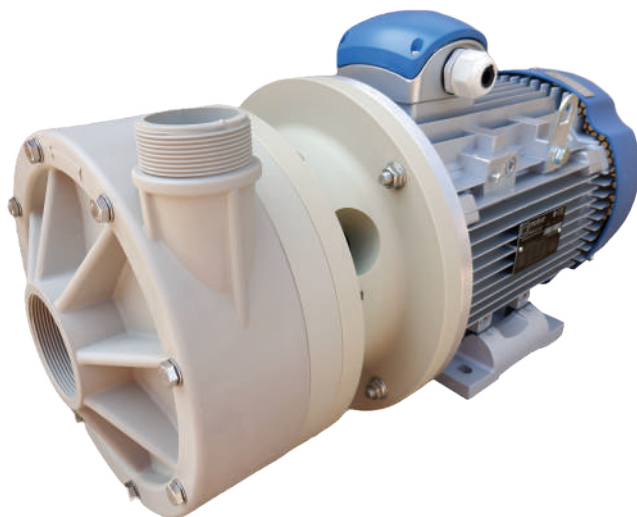
### Performance curves 2900 Rpm



### Dimensions



Pump Type	Motor Flange B3-B5	Kw	Rpm	Dimensions -mm-												
				A	C	E	F	G	H	L	M	N	O	P	R	Q
ADH 160	132	7.5	2800	645	68	2 " M - DN 50	2 1/2" F - DN 65	335	140	158	96	132	312	216	300	4 X Φ12



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