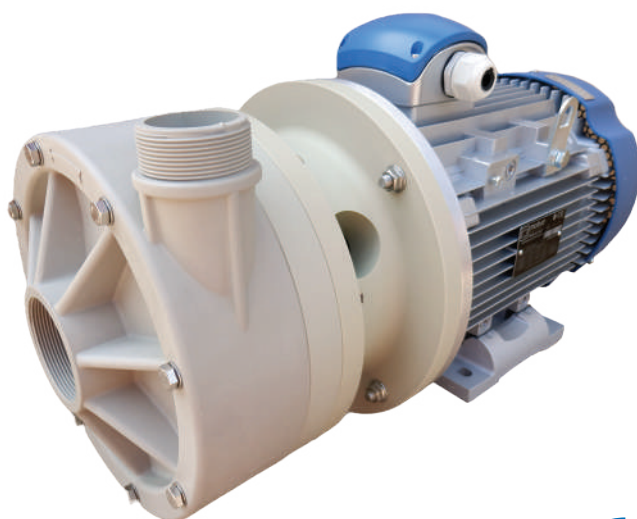


## Features

ADH 150 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.)



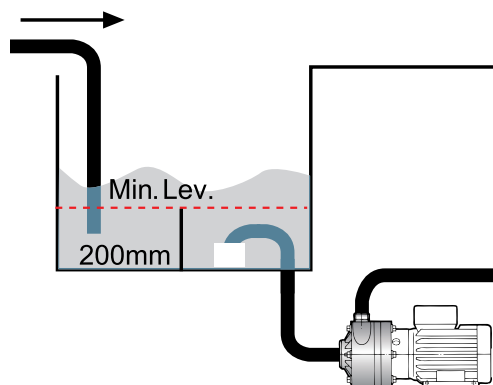
## Technical data

|                                |   |
|--------------------------------|---|
| Construction Materials         | PP - PVDF                                 |
| Max. Capacity                  | 45 m <sup>3</sup> /h                      |
| Max Head                       | 24 m                                      |
| Max Temperature                | PP 60°C - PVDF 90°C                       |
| Max Viscosity                  | 500 cPs                                   |
| Max.diameter of passing solids | 2 mm                                      |
| Intake / delivery connections  | 2 1/2 " F x 2" M - DN65 X DN50 on request |
| Motor                          | 5.5 HP 380V3/50Hz / 2800 rpm              |
| Pump weight with motor         | PP 44 Kg - PVDF 47 Kg                     |

## Installation

ADH 150 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 150 horizontal centrifugal pump should only operate whilst filled.

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



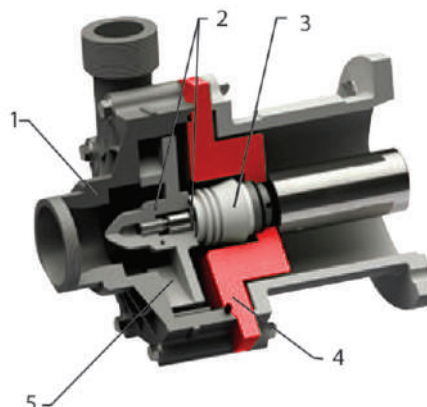
## Description of the Pump

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<br>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

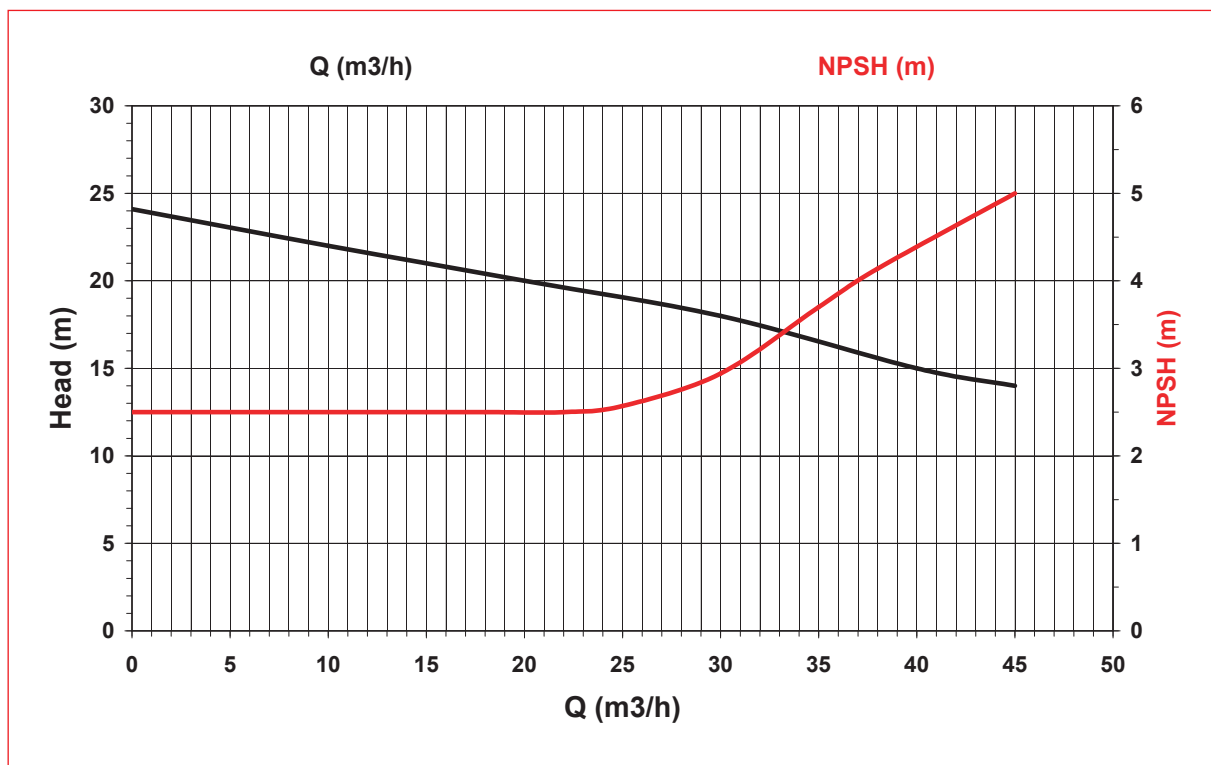


WATER AND SLUDGE  
TREATMENT

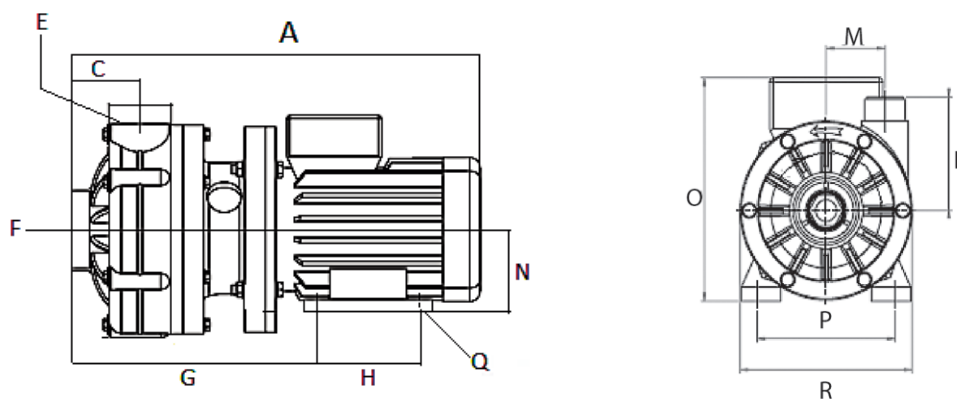


GALVANIC AND ELECTRONIC  
INDUSTRY

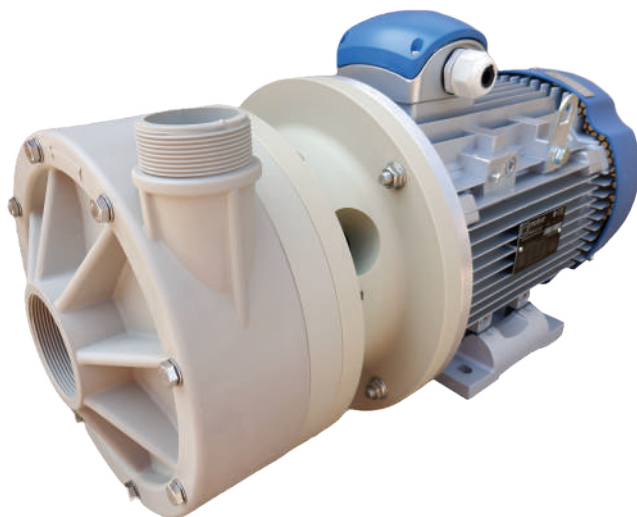
### Performance curves 2900 Rpm



### 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 150   | 132                | 4.0 | 2800 | 527             | 68 | 2 " M - DN 50 | 2 1/2" F - DN 65 | 300 | 140 | 158 | 96 | 112 | 249 | 190 | 275 | 4 X Ø12 |



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