

The ADV 095 vertical centrifugal pump are high-performance pump for fixed installations with pump immersed directly in the tank and operated by a direct-drive electric motor (max 3000 rpm) for fast fluid drainage.



Technical data

| | |
|--------------------------------|--|
| Construction Materials | PP - PVDF |
| Max. Capacity | 15 m3/h |
| Max Head | 12 m |
| Max Temperature | PP 60°C - PVDF 90°C |
| Max Viscosity | 500 cPs |
| Max.diameter of passing solids | 6 mm |
| Intake / delivery connections | 2" M x 1 1/2" M - DN50 x DN40 on request |
| Motor | 1 HP/380V3/50Hz / 2800 rpm |

Description

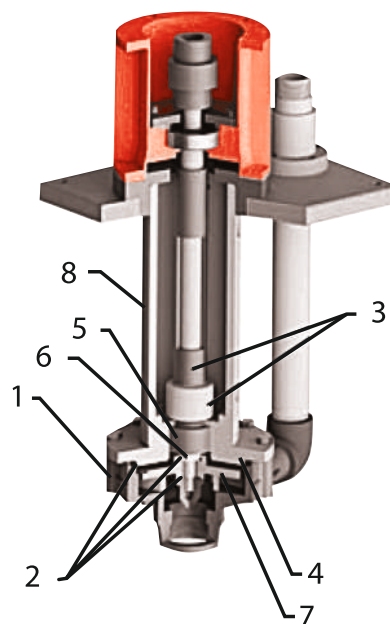
Vertical centrifugal pump with bracket ADV 095 is made of thermoplastic materials (PP and PVDF) and are suitable to pump high corrosive liquids with solids. Pump series ADV are available with different column lengths from 500 mm to 1200 mm.

The open impeller allows pumping even with very dirty liquids having viscosity of up to 500 cps (at 20°C) and small suspended solids.

ADV 095 vertical centrifugal pump consists of a solid pump casing and a column fitted to the base plate supporting the lantern that in turn supports the electric motor. The direct-drive motor is connected by a flexible coupling on the pump shaft. The open impeller is fitted to the other end of the shaft that is supported by a radial bearing. This pump's special design allows the motor to be stripped without the need to disconnect the pump from the system

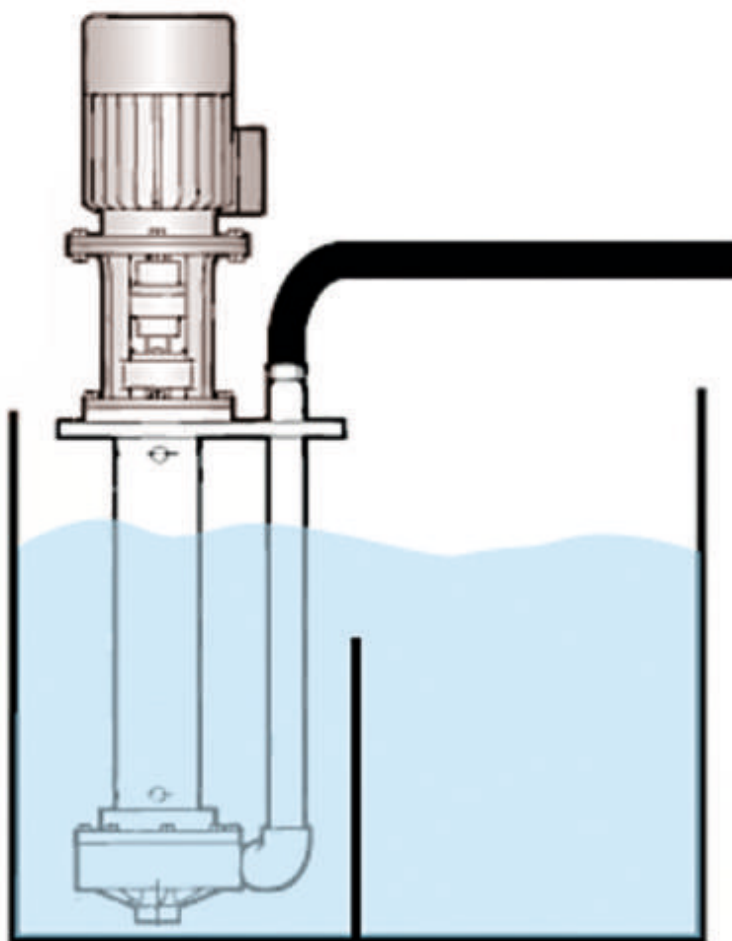
Description of the Pump

| POS | DESCRIPTION | MATERIAL |
|-----|----------------------|--------------------------------|
| 1 | PUMP HEAD | PP or PVDF |
| 2 | O-RING | EPDM or VITON |
| 3 | SHAFT COVERING GUIDE | PP or PVDF |
| 4 | COVER | PP or PVDF |
| 5 | BUSHING | PTFEC |
| 6 | WEAR BUSHING | A1 ₂ O ₃ |
| 7 | IMPELLER | PP or PVDF |
| 8 | COLUMN | PP or PVDF |



Installation

ADV Vertical centrifugal pumps should only be installed with the shaft positioned vertically and the pump immersed in the tank. Suitable devices should be fitted to avoid dry running and/or the formation of a vortex and possible air suction. These pumps should only operate whilst filled. Running dry or with air bubbles can cause damage to the internal bushing



Application sectors

Chemical Industry, Galvanic & electronic Industry,
Water Treatment Industry



CHEMICAL INDUSTRY

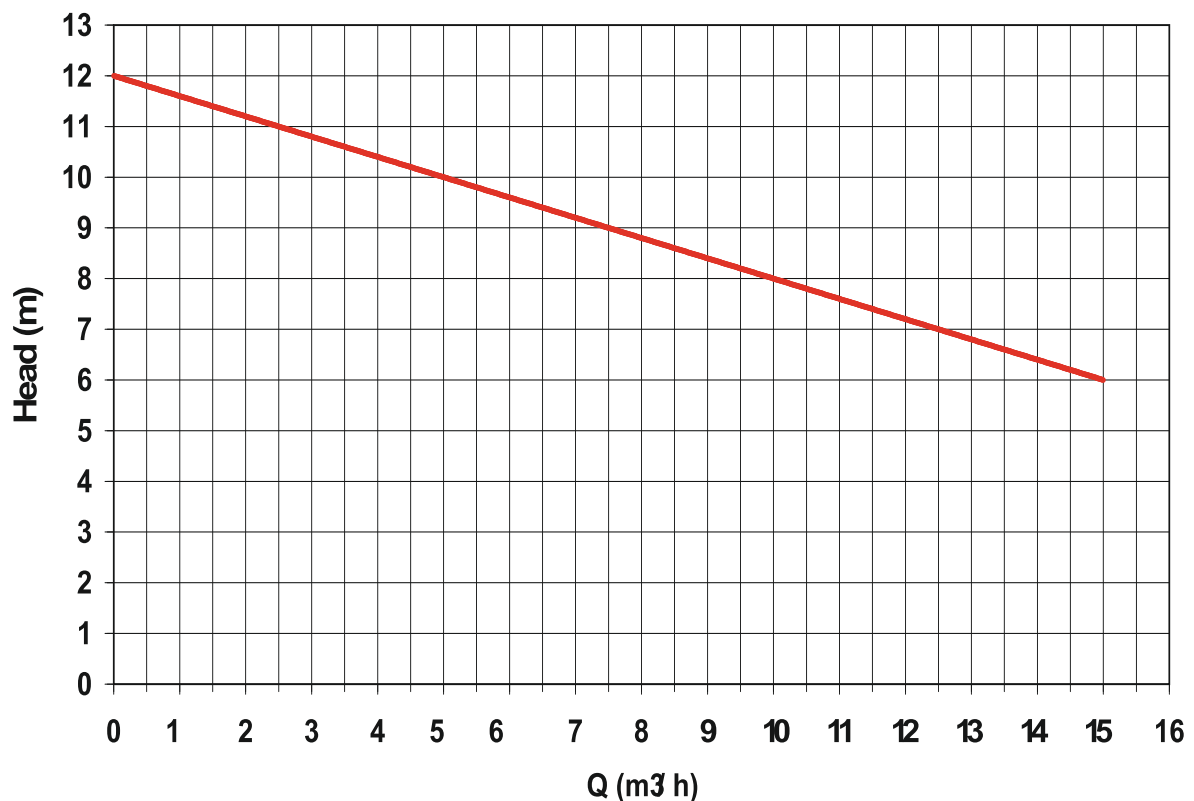


WATER AND SLUDGE
TREATMENT



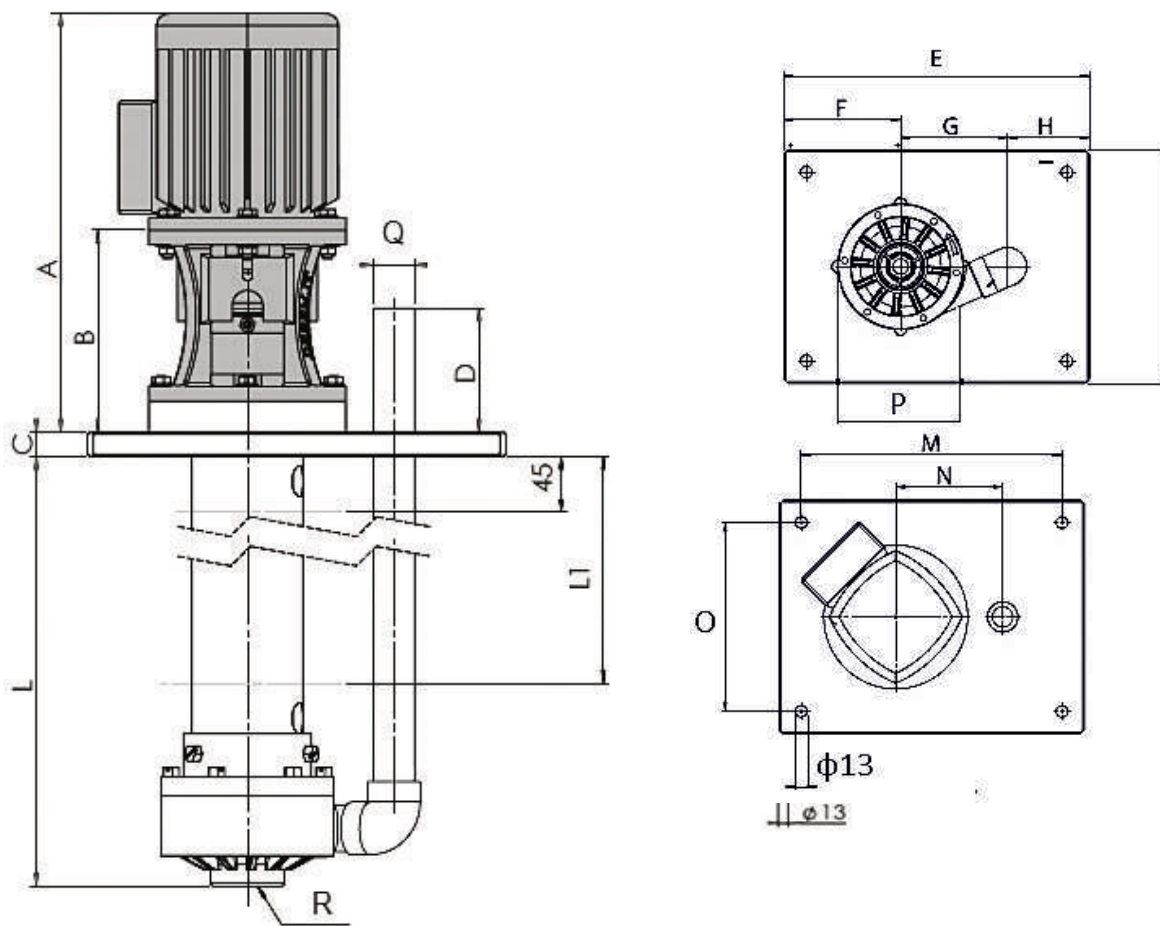
GALVANIC AND ELECTRONIC
INDUSTRY

Performance



Dimensions

Column length: 250 - 500 - 800 - 1000 - 1250 mm



| | |
|-------------------------|-----------------------|
| Motor Weight | 12 kg |
| Column Weight L=500 mm | PP 15 Kg - PVDF 16 Kg |
| Column Weight L=800 mm | PP 19 Kg - PVDF 20 Kg |
| Column Weight L=1000 mm | PP 22 Kg - PVDF 23Kg |
| Column Weight L=1250 mm | PP 24 Kg - PVDF 25 Kg |

| Pump Type | Motor Flange B5 | HP | Rpm | Dimensions -mm- | | | | | | | | | | | | | | | |
|-----------|-----------------|-----|------|-----------------|-----|------------|----|-----|-----|-----|-----|----|-----|-----|-----|-----|------------|------|----------|
| | | | | A | B | L | C | D | E | F | G | H | I | M | N | O | P | Q | R |
| ADV 095 | 80 | 1.0 | 2800 | 419 | 210 | 500 - 1250 | 25 | 125 | 360 | 135 | 165 | 60 | 300 | 310 | 165 | 250 | $\Phi 203$ | 2" M | 1 1/2" M |



We Make The Difference

Production Plant - Greece

Inofita Industrial area
59th km Nat.Road Athens - Lamia
GR 320 11 Inofita Viotia, Greece
Tel: +30 215 215 9520, +30 215 215 9580
email: sales@alphadynamic.eu
www.alphadynamic.eu

Sales Office - England

Rockleigh House, 37 Burton Road
Ashby de la Zouch, Leicestershire
LE65 2LF - United Kingdom (UK)
Registered in ENGLAND & WALES
Registration number 09706219
email: sales@alphadynamic.eu
www.alphadynamic.eu