

# Hydropump HPV30-2000





THE DIRECT ACTION HAND PUMP FOR  
SHALLOW BOREHOLES AND WELLS

## The "new generation" economical pump

An economical pump offering all the guarantees of  
VERGNET HYDRO know-how and  
high performance levels.



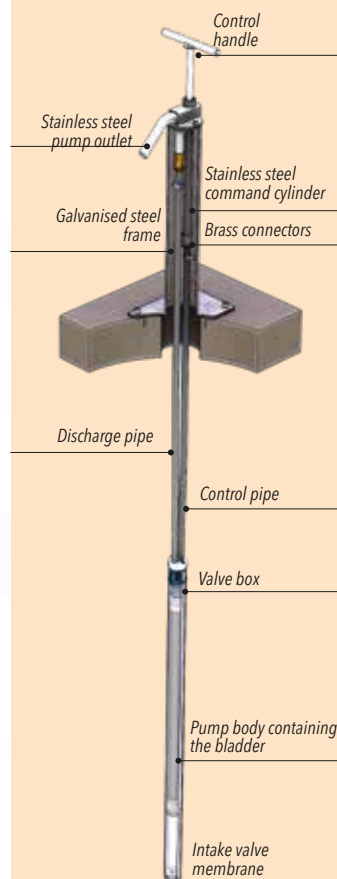
Discharge pump

-  The HPV30-2000 is a robust pump for shallow depths.
-  Its reduced diameter can fit 3-inch boreholes (small-diameter manual or mechanical boreholes).
-  The hydraulic control is a tried-and-tested technology in use on more than 110,000 water points since 1975.
-  The HPV30-2000 complies entirely with the VLOM (Village Level Operation and Maintenance) criteria.
-  The average maintenance cost for the HPV30-2000 is the lowest on the market: €15-€30 per year. The After-Sales Service is guaranteed.
-  The HPV30-2000 is totally resistant to corrosion through the use of rust-proof materials.
-  The HPV30-2000 is easy to install and to service. All its wearing parts are located at ground surface level, are easy to access and replaceable using a single wrench delivered with the pump.
-  The small dimensions of the HPV30-2000 make it possible to install a second electric, solar-powered, etc., pump on the same borehole.



Multiple equipment on the same 4" and greater borehole

### KEY COMPONENTS



# Hydropump HPV30-2000

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## TECHNICAL SPECIFICATIONS

### PUMP TYPE

Hydraulic control - Manual pumping with direct action  
Maximum installation depth: 30 meters

### FOUNTAIN

MINIMUM BORE DIAMETER

For 1 pump: 3"

CONTROL CYLINDER (STAINLESS STEEL)

Length: 390 mm - Inner diameter: 30 mm

WEIGHT

15 kg

### PISTON ROD (STAINLESS STEEL)

Ø 22 mm - Stroke of 320 mm

### PIPES

High density polyethylene (HDPE)

Control pipe and delivery : Ø 25 mm × 3 mm; 0.21 kg for 1 linear metre (PE 80 PN 16)

### PUMP BODY (STAINLESS STEEL)

Length: 1285 mm

Outer diameter: 74 mm - Weight: 5.2 kg

### BLADDER

Rubber - Length at rest: 905 mm

### VALVES

Polyurethane membrane and ball

### STRAINER AND FILTER

A stainless steel strainer at the foot of the pump

A stainless steel filter in the valve box

## MAINTENANCE

### PUMP AND OUTLET

With regular maintenance, the pump has **a service life in excess of 15 years** thanks to its corrosion-proof materials.

### BLADDER

Severe quality control tests make it possible to offer a **3-year warranty**.

## OPERATION

### Intake

When the control rod rises, the bladder retracts. The water is sucked into the pump body

Discharge valve closed

The bladder retracts

The intake valve is open

### Discharge

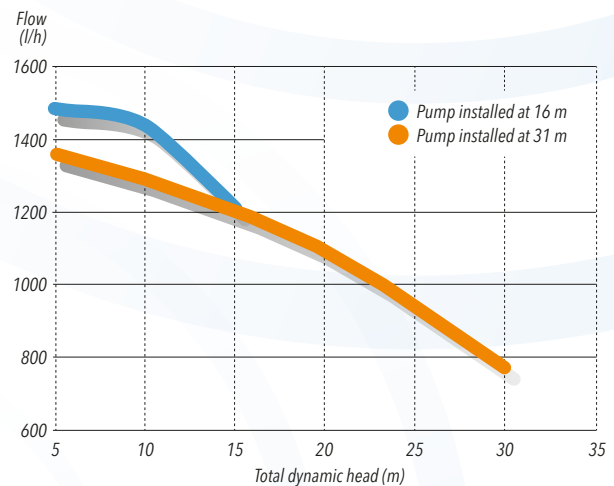
The piston rod lowers. The bladder stretches and discharges the water towards the surface

The discharge valve is open

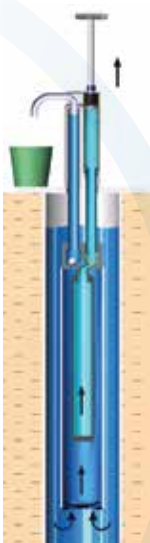
The bladder stretches

The intake valve is shut

## PERFORMANCES



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