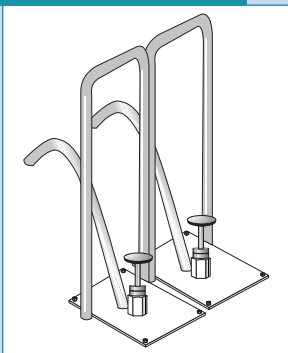


# HYDROPOMPE HPV 60-2000

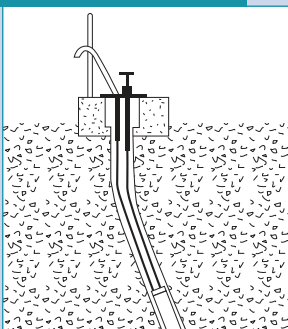
A "NEXT GENERATION" FOOT-OPERATED PUMP FOR BOREHOLES AND WELLS OF AVERAGE DEPTH



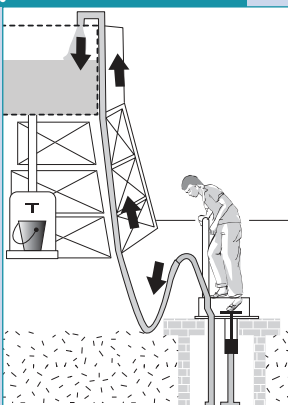
Several pumps on the same well



A vertical borehole is not essential



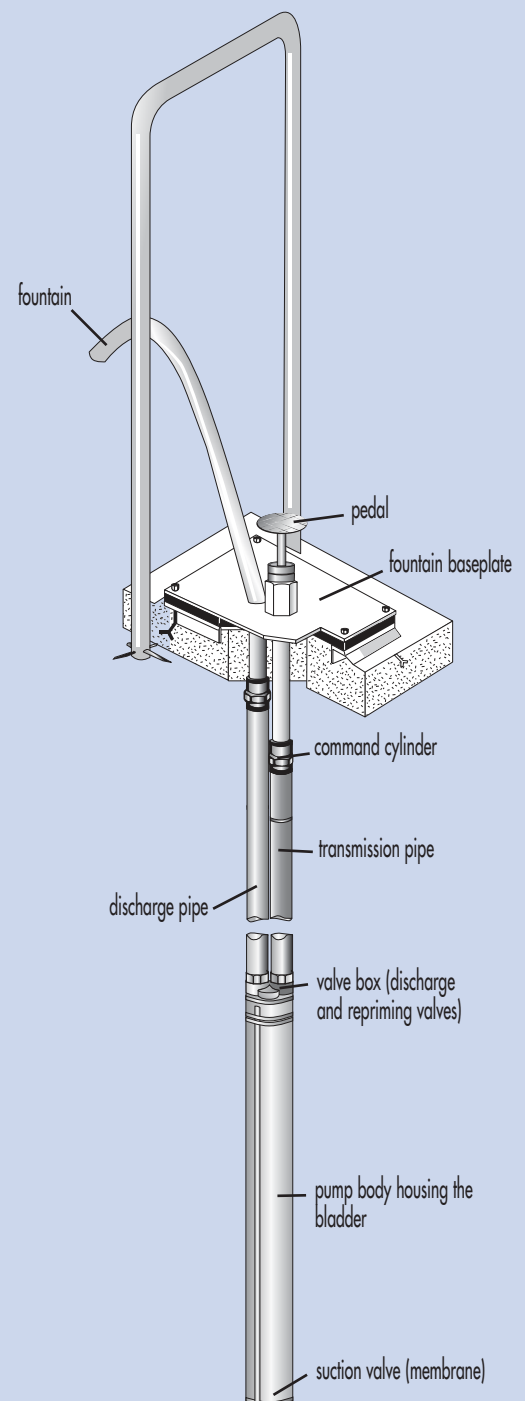
Discharge to a water tower



## ➔ The "use-anywhere" pump

*A reliable technology - hydraulic transmission - proven on 50,000 water points since 1975.*

- ① The HPV 60-2000 pump totally satisfies VLOM (Village Level Operation and Maintenance) criteria.
- ② Its light weight (60 kg at 40 metres depth) and the use of polyethylene pipes enables it to be inserted in or extracted from the well by one or two people in less than 30 minutes, without handling equipment.
- ③ Some of the HPV 60-2000 pump parts can be made easily locally, contributing to local activity.
- ④ All wearing parts are at ground level and very accessible for replacement using a single tool delivered with the pump. Its technology enables the pump to feed a raised water tower.
- ⑤ The average maintenance cost is unrivalled today: 15 to 30 per year. Wearing parts are available in all stores of the VERGNET HYDRO network.
- ⑥ The HPV 60-2000 pump is totally corrosion resistant thanks to the use of rust-proof materials.



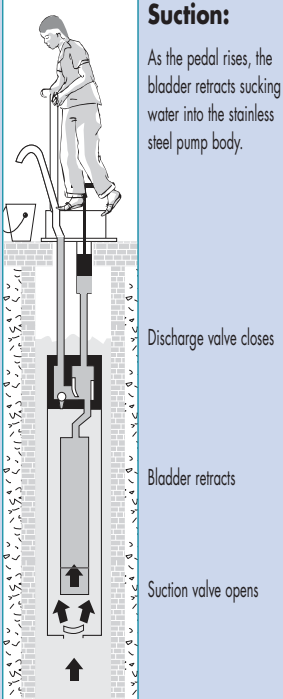
\*[Village Level Operation and Maintenance]

**easy to install - easy to use - easy to maintain**

# HYDROPOMPE HPV 60-2000

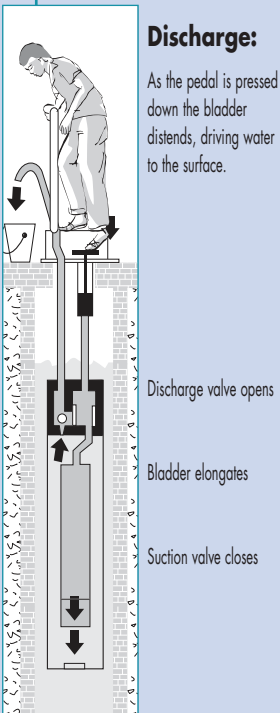
A "NEXT GENERATION" FOOT-OPERATED PUMP FOR BOREHOLES AND WELLS OF AVERAGE DEPTH

## Operation



### Suction:

As the pedal rises, the bladder retracts sucking water into the stainless steel pump body.



### Discharge:

As the pedal is pressed down the bladder distends, driving water to the surface.

## → Technical specifications

### Pump type:

Hydraulic transmission, foot-operated

### Maximum operating depth:

60 metres dynamic level

### Minimum well diameter:

For 1 pump: 4"  
For 2 pumps: 6"  
Fountain weight: 13 kg

### Fountain command cylinder (stainless steel):

Inner diameter: 30 mm  
Wall thickness: 6 mm  
Cylinder length: 480 mm

### Command rod (stainless steel, driven by the pedal):

Length: 532 mm  
Diameter: 22 mm

### Pump body (stainless steel):

Overall length: 1250 mm  
Outer diameter: 94 mm  
Weight: 10 kg

### Bladder:

Natural length: 760 mm  
Very severe quality control testing enables a 3 year guarantee and a 15 year working life expectancy

### Pipes:

High-density polyethylene

*Transmission pipe:*

Outer diameter: 32 mm

Inner diameter: 23 mm

*Discharge pipe:*

Outer diameter: 32 mm

Inner diameter: 26 mm

*Pipe weight:* 0.72 kg per metre of transmission pipe and discharge pipe

### Valves:

Membrane and ball valves (synthetic materials)

### Three valve functions:

*Suction:* membrane valve at the bottom of the pump;

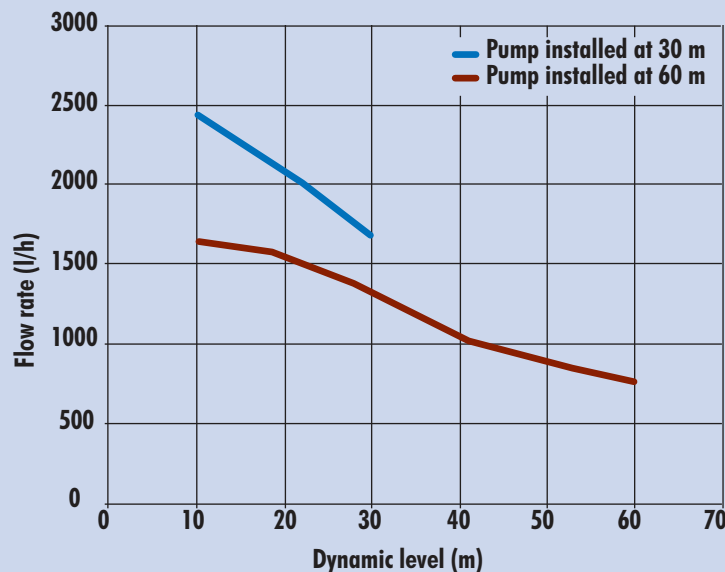
*Discharge:* ball valve housed in the valve box located on the upper part of the pump body;

*Repriming:* membrane valve also housed in the valve box.

### Strainer:

The HPV 60-2000 body is delivered with a fine-mesh stainless steel strainer.

## → Performances



Certification no. BV-OLN 494018/001

09/05/1994 - Bureau Véritas