

Hydropump HPV100

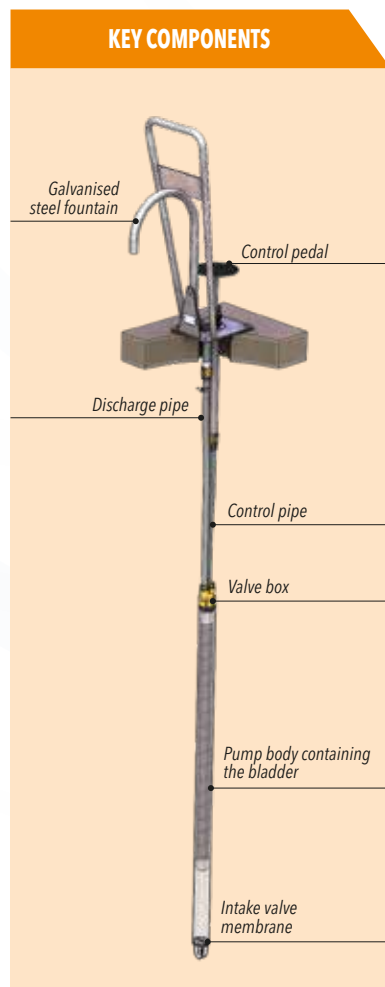
THE FOOT OPERATED PUMP
FOR EXTRA DEEP BOREHOLES AND WELLS

The "extra great depths" pump

The first manually powered "extra great depths" pump (up to 100 m) offering all the guarantees of VERGNET HYDRO know-how and high performance levels.



-  The hydraulic control is a tried-and-tested technology in use on more than 110,000 water points since 1975.
-  The HPV100 complies entirely with the VLOM (Village Level Operation and Maintenance) criteria.
-  The average maintenance cost for the HPV100 is the lowest on the market: €15-€30 per year. The After-Sales Service is guaranteed.
-  The HPV100 is totally resistant to corrosion through the use of rust-proof materials.
-  The HPV100 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 HPV100 make it possible to install a second electric, solar-powered, etc., pump on the same borehole.
-  Optional:
 - Protection of the pump with an anti-theft system.
 - Discharge into a tank.
 - There is an alternative model with hand pumping: the MPV100.
 - Pump management incorporating water meter.
 - Possible customisation of the HPV100.



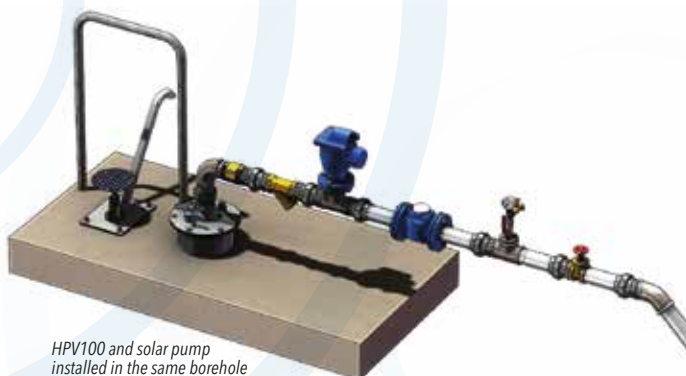
HPV100 equipped with a handle fountain



HPV100 equipped with a monobloc fountain



Installation possible in a non-vertical borehole



HPV100 and solar pump installed in the same borehole

EASY TO INSTALL • EASY TO USE • EASY TO MAINTAIN

Hydropump HPV100

THE FOOT OPERATED PUMP FOR EXTRA DEEP BOREHOLES AND WELLS

TECHNICAL SPECIFICATIONS

PUMP TYPE

Hydraulic control - Foot pumping, multi-operator
Maximum installation depth: 100 meters

FOUNTAIN

MINIMUM BORE DIAMETER

For 1 pump: 4"

CONTROL CYLINDER (STAINLESS STEEL)

Length: 610 mm - Inner diameter: 30 mm

WEIGHT

Fountain with handle: 23 kg

PISTON ROD (STAINLESS STEEL)

Ø 22 mm - Stroke of 320 mm

PIPES

High density polyethylene (HDPE)

Control pipe: Ø 32 mm × 6 mm; 0.5 kg for 1 linear metre (PE100 PN35)

Delivery pipe: Ø 32 mm × 3 mm; 0.3 kg for 1 linear meter (PE100 PN16)

PUMP BODY (STAINLESS STEEL)

Length: 2320 mm

Outer diameter: 90 mm - Weight: 15 kg

BLADDER

Rubber - Length at rest: 1590 mm

VALVES

Polyurethane membrane and ball

SCREEN AND FILTER

A stainless steel strainer at the foot of the pump

A stainless steel filter in the valve box

MAINTENANCE

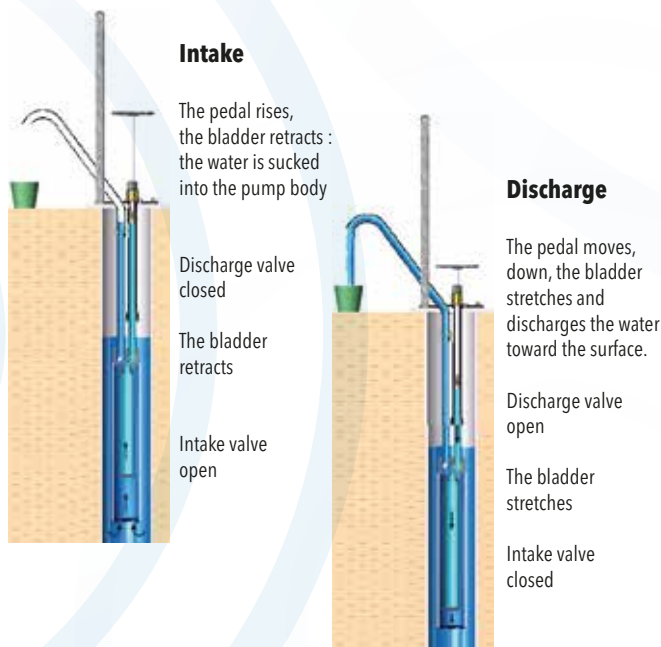
PUMP AND OUTLET

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

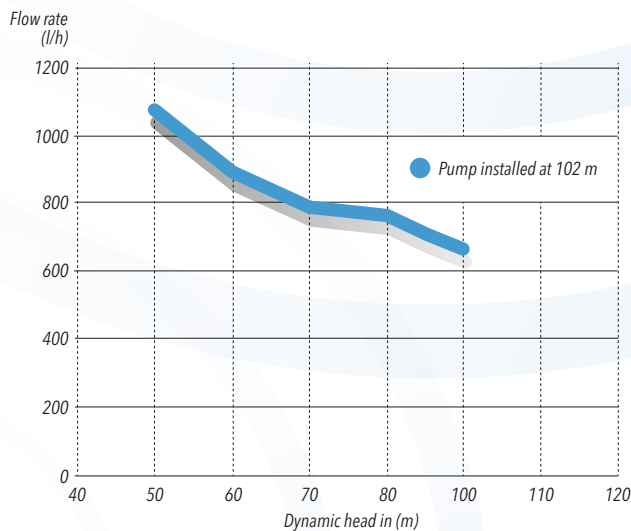
BLADDER

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

OPERATION



PERFORMANCES



Certificate N° BV-OLN 494018 of 12/04/1994 - Bureau Veritas



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