








Hydropump MPV100

THE ERGONOMIC, HAND OPERATED PUMP FOR EXTRA DEEP BOREHOLES AND WELLS

The "extra deep" hand pump

First "great depths" hand pump (up to 100 meters) offering all the guarantees of VERGNET HYDRO know-how and high performance levels."

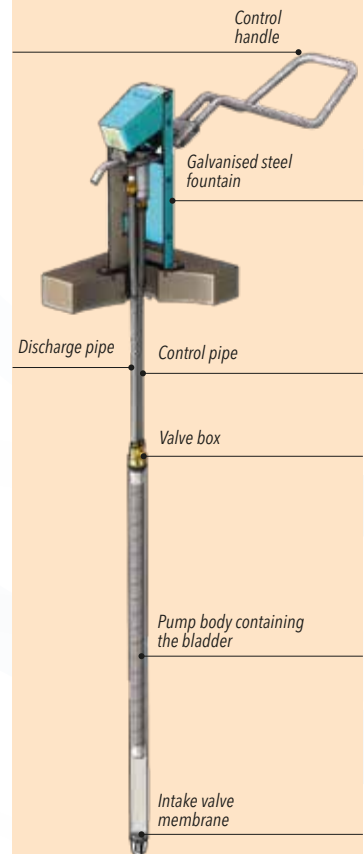


-  The MPV100, thanks to the modern and exclusive design of its hand lever, guarantees incomparable multi-operator pumping ease.
-  The hydraulic control is a tried-and-tested technology in use on more than 110,000 water points since 1975.
-  The MPV100 complies entirely with the VLOM (Village Level Operation and Maintenance) criteria.
-  The average maintenance cost for the MPV100 is the lowest on the market: €15-€30 per year. The After-Sales Service is guaranteed.
-  The MPV100 is totally resistant to corrosion through the use of rust-proof materials.
-  The MPV100 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 MPV100 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 foot pumping: the HPV100.
 - Management of the pump thanks to the incorporation of a volumetric meter with direct reading.
 - The MPV100 can be customised.



Optional counter

KEY COMPONENTS



Hydropump MPV100

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TECHNICAL SPECIFICATIONS

PUMP TYPE

Hydraulic control - Manual pumping with lever arm, multi-operator
Maximum installation depth: 100m

FOUNTAIN

MINIMUM BORE DIAMETER

For 1 pump: 4"

CONTROL CYLINDER (STAINLESS STEEL)

Length: 235 mm

Inner diameter: 60.5 mm

WEIGHT

55 kg

PISTON ROD (STAINLESS STEEL)

Ø 22 mm - 95 mm stroke

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

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



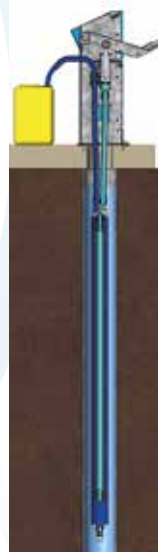
Intake

The lever rises, the bladder retracts: the water is sucked into the pump body

Discharge valve closed

The bladder retracts

Intake valve open



Discharge

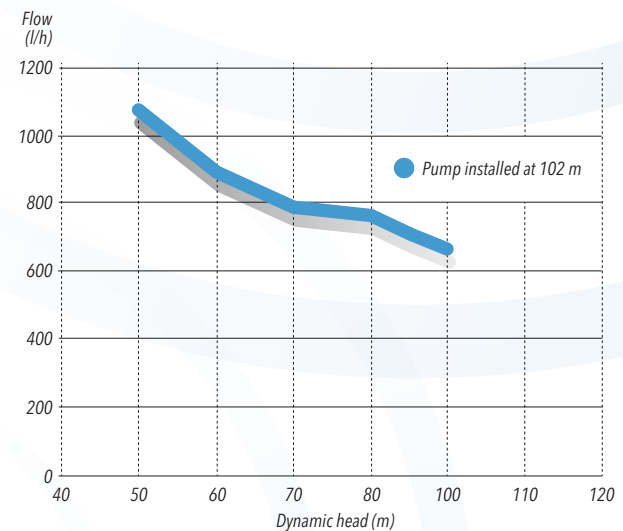
The lever moves down, the bladder stretches and discharges the water towards the surface

Discharge valve open

The bladder stretches

Intake valve closed

PERFORMANCES



Certificate N° BV-OLN 494018 du 12/04/1994 - Bureau Véritas



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