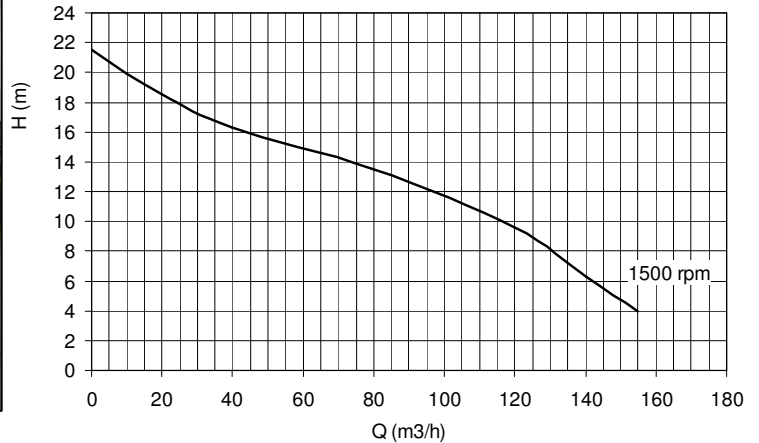


BBA sludge pumps



Type: **BV 100-240 HA GL**

4" diesel driven in a sound absorbing canopy



General:

The BBA sludge pump BV100-240 is the perfect solution for pumping drilling sludges. Thanks to the reliability, wear resistance and quick cleaning concept it is well prepared for the 'non stop' drilling processes. The BV 100 (4") series is equipped with a 100 m³/h vacuum diaphragm pump, which makes the pump suitable for priming liquids with a density up to 1,8 kg/dm³. The **Enduroseal**[®] concept enables the mechanical seal running in an enlarged oil bath, suitable for continuous use, even in intermediate flow situations. A pressure relief chamber behind the mechanical seal prevents water entering the drive of the pump unit. The centrifugal pump has a free passage of 86 mm and has a maximum flow of 157 m³/h. The float box is equipped with quick release couplings for easy cleaning after a drilling shift. The diesel driven BV pump in a sound absorbing canopy results in a noise level of 60 dBa at 10m. Suitable to operate even in residential areas. With the **E-slide**[®] system the pump unit can easily be moved out of the canopy for quick inspection or maintenance purpose.

Applications:

This dry prime centrifugal pump system is used for pumping bentonite, drilling sludge, emptying excavations and as a robust rental pump.

Technical specifications:

Centrifugal pump:

impeller type : two blade
flow max : 157 m³/h
head max : 21 m
impeller size : 240 mm
free passage : 86 mm
req. power : 13,5 kW (density 1 kg/l)
pump speed : 1500 rpm
connections : DN 100

Materials:

pump casing : steel DIN 1.0036
impeller : steel DIN 1.0036
shaft sleeve : stainless steel DIN 1.1191

shaft seal :  **Enduroseal**[®]
seal faces : tungsten carbide
O ring : Viton

Vacuum pump:

pump type : diaphragm
air capacity : 100 m³/h
max vacuum : 8 m
drive : tooth-belt driven

Materials:

diaphragm : NBR
valves : NBR
float box : steel DIN 1.0036, galvanized
floater : stainless steel DIN 1.4301
non return valve : cast iron GG 25

BBA Pumps BV

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Pumps for results

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BBA sludge pumps



Type: **BV 100-240 HA GL**

4" diesel driven in a sound absorbing canopy

Diesel drive:

diesel motor : Hatz 2M41
cooling : air cooled
cylinder : 2 cylinder
motor power : 14,8 kW at 1500 rpm
start : electric 12 V incl. hour counter
fuel tank : 300 liter
assembly : in a galvanized canopy with
E-slide system, lockable
doors and PE fuel tank.
With lifting hook and forklift pockets
Noise level : 60 dBa at 10 m

Dimensions:

l x w x h : 2500 x 1250 x 1880 mm
weight : 2200 kg



Special features:

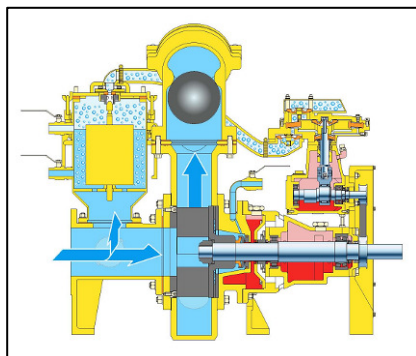
- high wear resistance



- easy cleaning



How it works:



After starting the unit, the vacuum pump starts priming air out of the suction line. A non-return valve shuts off the discharge side. As soon as the water is primed, the float closes the vacuum pump connection and the centrifugal pump starts pumping water.



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