

Sludge pumps

BV series



P u m p s f o r r e s u l t s





Innovative leaders for the past 60 years

BBA Pumps BV wouldn't be a Dutch company if it didn't know how to deal with water! We've been helping our customers keep their feet dry for over sixty years: we use our knowledge and experience in dewatering and rental to create high-quality products and solutions together with our customers. Innovation is our strength: we are constantly working on new techniques and technologies so we can continue setting the trend.

Pumps for results

With the BV auto prime sludge pump range, BBA Pumps offers a series of vacuum assisted centrifugal pumps for abrasive liquids. Especially designed for pumping drilling sludges and bentonite in order to meet the toughest pump jobs.



Find out about the BV series

The BV series is the one of a kind pump solution in drilling processes. It offers:

- Lowest costs of ownership
- Robust pump concept
- Reliability
- Large vacuum capacity
- Low maintenance costs



The heart of the matter

The combination of high quality and reliable and smart solutions results in an excellent, modern pump.



Steel welded components

The pump casing, impeller and wearplates are steel welded quality.



Easy inspection

Inspection, drain and fill plugs all on one side. One type of oil needed; engine included.



Reliable vacuum pump

Diaphragm pump, air cooled, water resistant and oil spill free. 100 m³ / 60 cfm air capacity per hour.

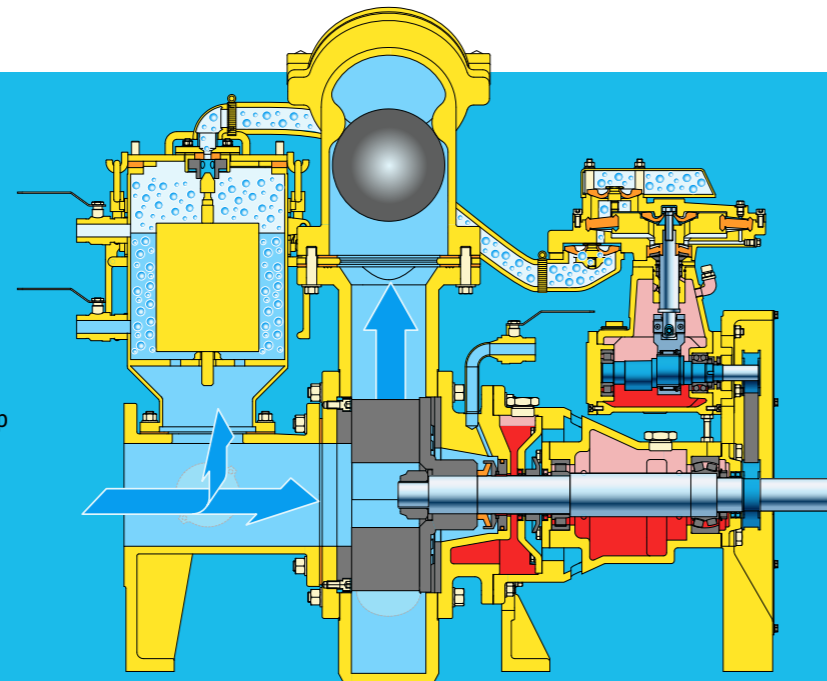


Large inspection covers

Full access to suction line, float box, impeller and valve.

How it works

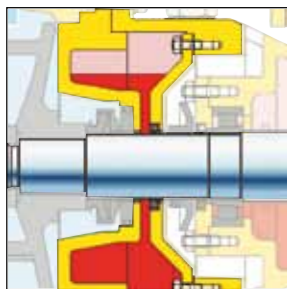
After starting the unit, the vacuum pump starts priming air out of the suction line. A non-return-valve shuts off the discharge side. As soon as the pump is primed, the float closes the vacuum pump connection and the centrifugal pump starts pumping liquid.



What it offers

Reliability, minimum maintenance and it is user friendly. Lowest cost of ownership.

The Enduroseal® concept consists of three main components:



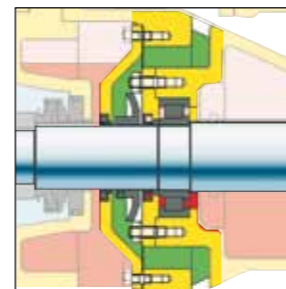
1 Large oil chamber

For optimal cooling when running dry or in snore mode.



2 Mechanical seal

Tungsten Carbide surfaces in heavy duty stainless steel body.



3 Pressure relief chamber

Makes it impossible for any fluid to enter the bearing housing.

For the BV the Enduroseal® is extended with a seal flush connection.



Float box with quick clean system

A fully mechanical reliable solution for optimal separation of water and air.



Interchangeability

Modular built; assures minimum stock of parts.

BV electric drive

The BV electric drive configuration consists of;

- Heavy baseframe with quality motor and flexible coupling.
- Galvanised stackable frame with lifting hook and forklift pouches.
- Electric panel with softstarter and optional hour counter, float switch and emergency stop.



Type	Speed rpm	Connection mm	Solids handling mm	Q max m³/h	Q max GPM	H max mwc	H max feet	Install. power kW	Dimensions mm	Weight Kg
BV100 K260 MC	1500	100	86	175	770	25	82	22	2240 x 810 x 1155	750
BV140 K285 MC	1500	150	105	374	1647	26	85	37	2240 x 810 x 1155	920

Air capacity 100 m³/h / 60 cfm.

BV open diesel

The BV open diesel configurations are heavy duty built. Available with float switch start and as trailer model.



Type	Speed rpm	Connection mm	Solids handling mm	Q max m³/h	Q max GPM	H max mwc	H max feet	Install. power kW	Dimensions mm	Weight Kg
BV100 K240 HA	1500	100	86	157	691	21	69	14,8	2500 x 1250 x 1300	1800
BV140 K255 HA	1500	150	105	300	1321	17	56	22,5	2500 x 1250 x 1300	1800
BV140 K270 HA	1500	150	105	350	1541	25	82	30,6	2500 x 1250 x 1300	1900

Air capacity 100 m³/h / 60 cfm. Also available in silent pack.



BV diesel silenced

Use of corrosion free materials assure a durable look.

Various innovative details lead to durability combined with a modern look. For example, the galvanised surrounds and frame parts. Tank, panels and parts of robust PE. Adjustable locks with a good handle.

Type	Speed rpm	Connection mm	Solids handling mm	Q max m³/h	Q max GPM	H max mwc	H max feet	Install. power kW	Dimensions mm	Weight Kg
BV100 K240 HA GL	1500	100	86	157	691	21	69	14,8	2500 x 1250 x 1880	2200
BV140 R255 HA GL	1500	150	105	300	1321	17	56	22,5	2500 x 1250 x 1880	2300
BV140 K270 HA GL	1500	150	105	350	1541	25	82	30,6	2500 x 1250 x 1880	2400

Air capacity 100 m³/h / 60 cfm.

Sound proofed casing for silent pumping and easy cleaning. The units are quiet, without insulation in the casing.



The doors are deepened, so these will not be damaged when the unit is handled by a forklift.



Corrosion free high density poly-ethylene (HDPE) fuel tank of 300 liters.



Smart and speedy servicing thanks to the E-slide®. The pump and the diesel engine are fixed to a sub-frame, which you can remove from the canopy for major maintenance.



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