



EN

Compact Pumps

Hidrostal Screw Centrifugal Compact Pumps are portable, heavy duty field units which combine usability and robustness with the superior hydraulic and solid handling performance of the famous screw centrifugal impeller.



Compact Pumps - small, portable and ready to use whenever needed.

Hidrostal compact pumps allow non-clogging, trouble-free operation in demanding situations. They are used in slurry and wastewater applications, by emergency management / fire brigades, on construction sites and even in private households.

Hidrostal compact pumps are heavy duty field units which combine usability and robustness with the superior hydraulic and solid handling performance of the famous screw centrifugal impeller. This makes it the preferred pump for all type of municipal and industrial wastewater, slurry and mud but also flood defense applications for portable but also stationary installations.

Typical Applications

- Industrial effluent
- Viscous sludge
- Return activated sludge
- Drainage
- Process waste
- Sump cleanup
- Construction sites
- Flood defense
- Emergency management / fire brigades

Specifications

- Discharge Sizes: 50–80 mm (2–3")
- Suction Sizes: 50–80 mm (2–3")
- Head: 0.5–17.7 m (1.6 – 58 ft)
- Flow: 0.8–24.6 l/s (12 – 390 gpm)
- Power: 0.1–2.4 kW (0.1–3.2 HP)
- Frequencies: 50 Hz, 60 Hz, VFD
- Voltage 3 Phase 380V, 400V, 415V, 460V, 480V, 575V
- Materials: Cast Iron, Ductile Iron, Hi-Chrome, Stainless Steel, Duplex



Name	Best Efficiency Point		Free ball passage	Material		Ex protection	Weight
	Head	Flow Rate		Cast iron	Duplex		
A2U	up to 11.4 m (37 ft)	up to 9.3 l/s (147 gpm)	50mm (2")	X			23 Kg (50.7 lbs)
A2Q	up to 9.5 m (34 ft)	up to 9.5 l/s (150 gpm)	50mm (2")		X		32 Kg (70.5 lbs)
BE2/BN2	up to 10.1 m (33 ft)	up to 8 l/s (126 gpm)	50mm (2")	X		X	32 Kg (70.5 lbs)
BK3/BN3	up to 13.5 m (44 ft)	up to 10.8 l/s (171 gpm)	up to 75 mm (3")	X		X	40 Kg (88 lbs)

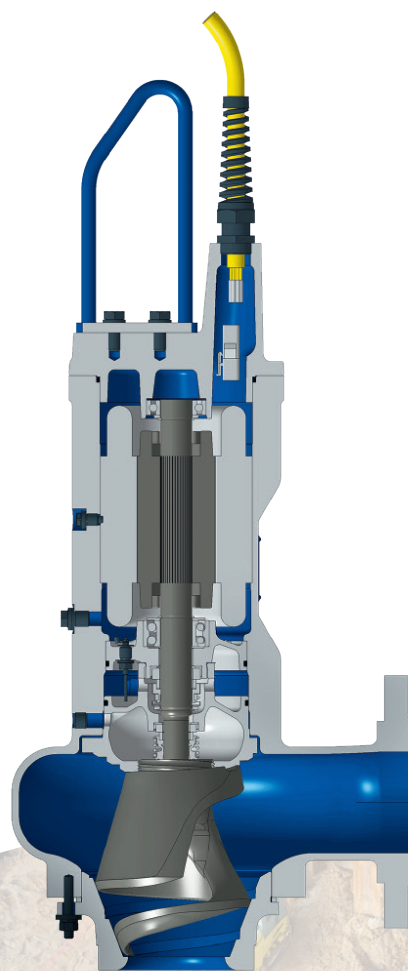
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Product Highlights

Product Advantages

- Powerful, up to 17.7 m (58ft) or up to 24.6 l/s (390gpm)
- Mobile with a weight of 23 kg (50.7 lbs) including 5 m (17 ft) cable
- Free ball passage for solids handling of 50 mm to 75 mm (2" - 3") in diameter
- Robust unit capable of handling liquids containing fibrous material
- Steep curve giving pressure and power reserve when pumping thick materials
- Motor efficiency up to IE3 equivalent
- High efficiency and compact construction
- Non-overloading power curve
- Double mechanical seal arrangement
- Ex-proof execution available



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Hidrostal Pumps

Make a quick and accurate
pump selection:
hidrostal.com/pumpselector.php



Due to their outstanding characteristics, Hidrostal pumps are used in numerous municipal and industrial sectors all around the world. Our pumps are custom-made and are specially tailored to the needs of each location. Our specialists select the suitable material combinations and individually adapt every pump to the local conditions. We ensure with this process that Hidrostal pumps are successful in difficult applications and achieve the best results with respect to performance, energy efficiency and low life-cycle costs.

- clog-free pumping
- high suction capacity
- gentle delivery due to low shear forces
- high efficiency
- stable, steep pump curve
- long service life
- low pulsation
- continuous flow proportional to the speed
- high pressure stability across a wide speed range



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