



1X1

ATLANTICA **BASICS**





1X1 CONTENT

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01

TRANSPORT

With the folding handles integrated into the carrying frame, the pumps can be carried effortlessly by two people.





SUCTION LINE

For the suction line, the employment of transparent, dimensionally-stable suction hoses is recommended, since the level of the water column can always be seen clearly in this case. First of all connect the non-return flap to the suction hose and attach the handling rope to the draining device of the non-return flap. After this, connect the other end of the suction line to the suction side of the pump and lower the suction hose into the pumped medium.

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SUCTION PROCESS

When the suction line has been connected, the manual suction process can be begun. For this, attach the suction cover to the suction side of the pump and check if the venting screw ① at the suction cover is closed.

Now the water column can be sucked with the manual reciprocating pump. The rise of the water column can be followed in the transparent suction hose and the inspection window of the suction cover. Fill the pump until suction hose and spiral housing are filled completely. After this, release the venting screw, remove the suction cover and hang it on the carrying frame.





OPTIMAL PUMPING CAPACITY

Now connect the pressure hose. In case of utilization of a normal hose, performance-reducing bends result in the pressure line very fast. In order to achieve optimal pump performance, a dimensionally-stable PVC spiral hose (accessory) should be used for the first 3 to 5 m. After this, work can be continued with normal fire hoses.

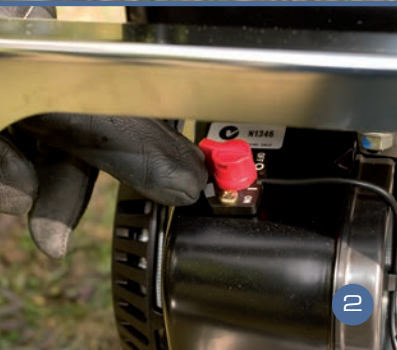
Alternatively a 90° pressure bend can also be employed, in order to prevent a bend directly at the pressure side of the pump.





STARTING GASOLINE ENGINE

After connecting the pressure hose, the engine of the ATLANTICA can be started. To do this, first open the fuel cock ❶ and then rotate the red stop button ❷ to Position 1 (in case of elec. start key set to Position 1). After this, set the speed control lever to approx. 1/3 setting and set the throttle lever ❸ to choke position. Now set the engine in operation by pulling the reversing starter, or by turning the ignition key. After this, the throttle lever is to be opened again. The required supply capacity can now be adjusted with the aid of the speed control lever.





STARTING DIESEL ENGINE

After connecting the pressure hose, the engine of the ATLANTICA can be started. To do this, first move the speed control lever ① to the „Start“ position. ②

In case of engines with recoil starter slowly pull out the grip with the rope ③ until you encounter a slight resistance. Let the rope run back in to be able to use the entire rope length for the starting procedure. Hold the grip with both hands and pull the starting rope evenly and with increasing speed until the engine starts.

In case of engines with an electric starter insert the starting key all the way and turn to position „I“. After this turn the starting key to position „II“. As soon as the engine is running, release the starting key. The required supply capacity can now be adjusted with the aid of the speed control lever.



ENDING PUMP OPERATION

In order to end pump operation, the engine is first to be set to idle fuel supply. In case of gasoline engines then rotate the stop switch to the left into Position „0“ and close the fuel cock. In case of diesel engines press and hold the stop pin until the engine switches off. After this, pull up the suction hose using the rope and the draining device empties the hose and the pump fully automatically. Now the suction and pressure line can be dismantled.





DRAINAGE AFTER EMPLOYMENT

Some water still remains in the spiral casing in spite of draining. In order to preclude any jamming and erosion of the impeller wheel, the remaining water is to be drained off with the aid of the drain plug below on the spiral casing. According to the residual water quantity, this procedure can last a few minutes. When no more water flows from the drain plug, it is to be closed again.

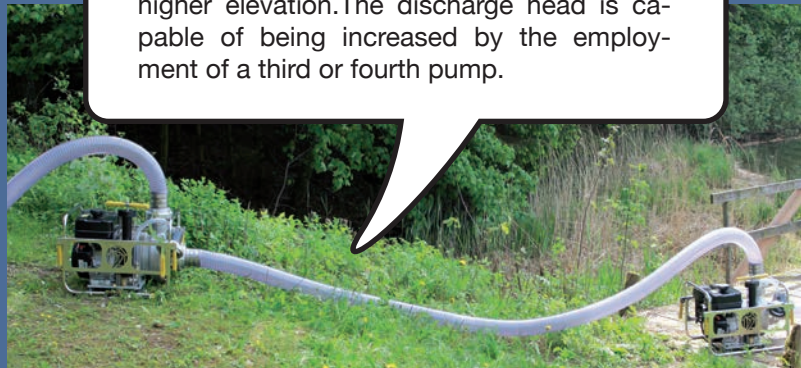
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SERIES CONNECTION

If discharge heads of more than 15 m are to be overcome, ATLANTICA pumps can be cascaded in order to achieve a doubling of the discharge head. To do this, the pressure side of the 1st pump is to be connected, via a dimensionally-stable hose, with the suction side of the 2nd pump, which is placed at a higher elevation. The discharge head is capable of being increased by the employment of a third or fourth pump.





ATLANTICA

ACCESSORIES

PVC suction pressure hoses with A- or B-Storz-couplings

90° elbow with A- or B-Storz-couplings

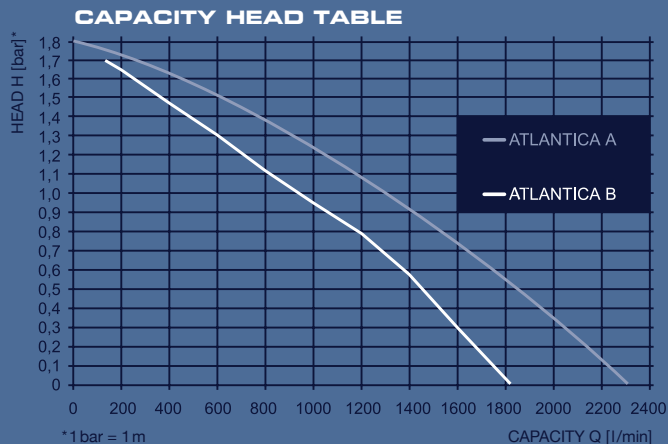
Electric starter with 12 V battery

Hose pack consisting of 2 x 3m and 1 x 5m transparent spiral hoses for suction and pressure side

Wheelset

Refuelling system with three-way cock and fuel pump

Other coupling systems available on request





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