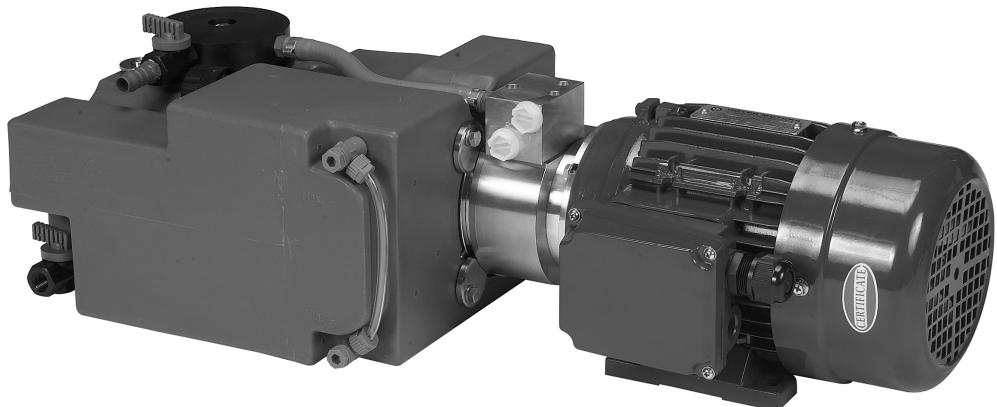


## Data sheet and instruction

# Data sheet and instruction for mini power pack PPHC



### Mini power pack PPHC basis module

Data sheet for Mini power pack PPHC basis module

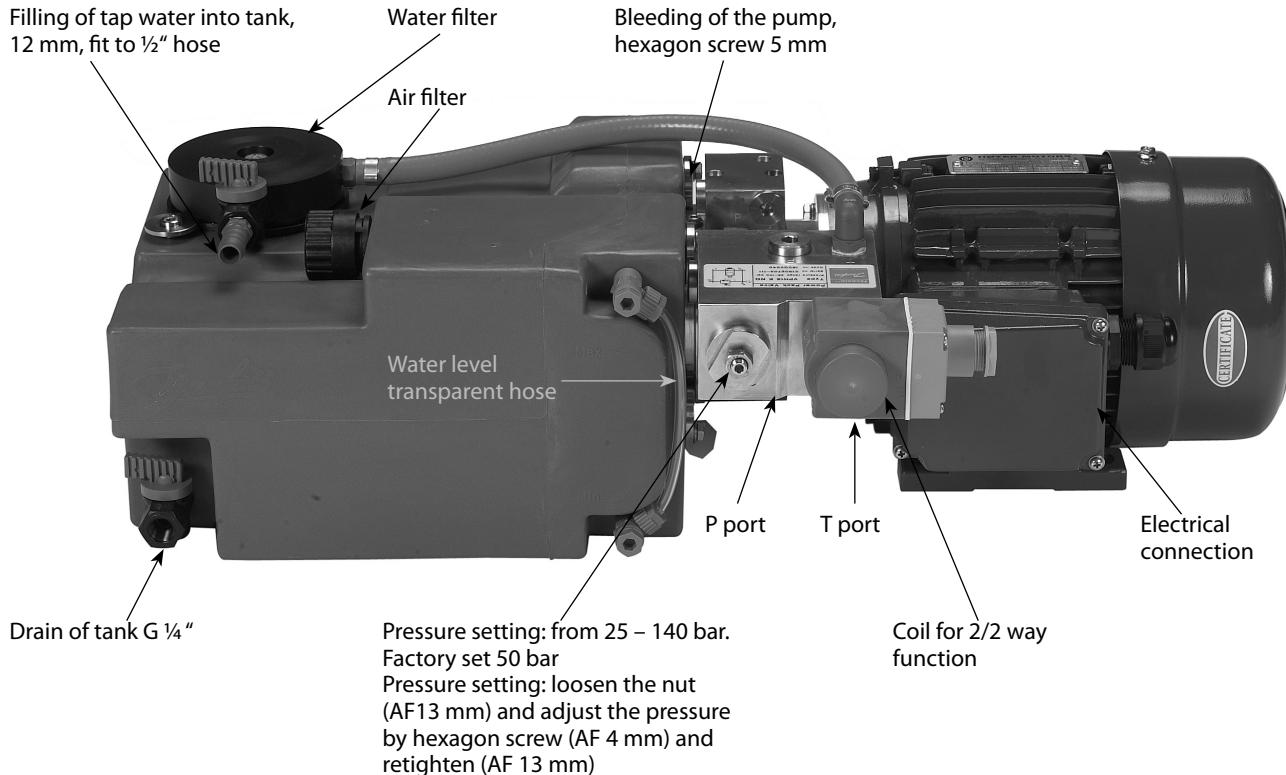
The power pack is corrosion resistant and ready-to-fit and based on a modular valve system.

The Nessie® mini power pack can operate one single activated cylinder (basic version) and is extendable to operate several single or double activated cylinders.

### Technical data

Electrical Motor	Power	Voltage	Rpm.	Comments
MS 8024 B14/B3	0.75 kW AC	3 x 230/400 V/50 Hz	1380 rpm.	OK
MS 90S4 B14/B3	1.1 kW AC	3 x 230/400 V/50 Hz	1390 rpm.	OK
MS 90L4 B14/B3	1.5 kW AC	3 x 230/400 V/50 Hz	1390 rpm.	OK
MS 90LA4 B14/B3	2.2 kW AC	3 x 230/400 V50 Hz	1390 rpm.	OK
	0.9 kW DC	24 V DC	1800 rpm.	Option

Pump size	Flow (1380 rpm)	Max pressure	Tank net volume	Tank brutto volume	Weight
2 cm <sup>3</sup>	2.0 l/min	100 bar	4 liter	6 liter	25 kg
4 cm <sup>3</sup>	4.6 l/min	140 bar	4 liter	6 liter	25 kg
6,3 cm <sup>3</sup>	7.4 l/min	140 bar	4 liter	6 liter	25 kg

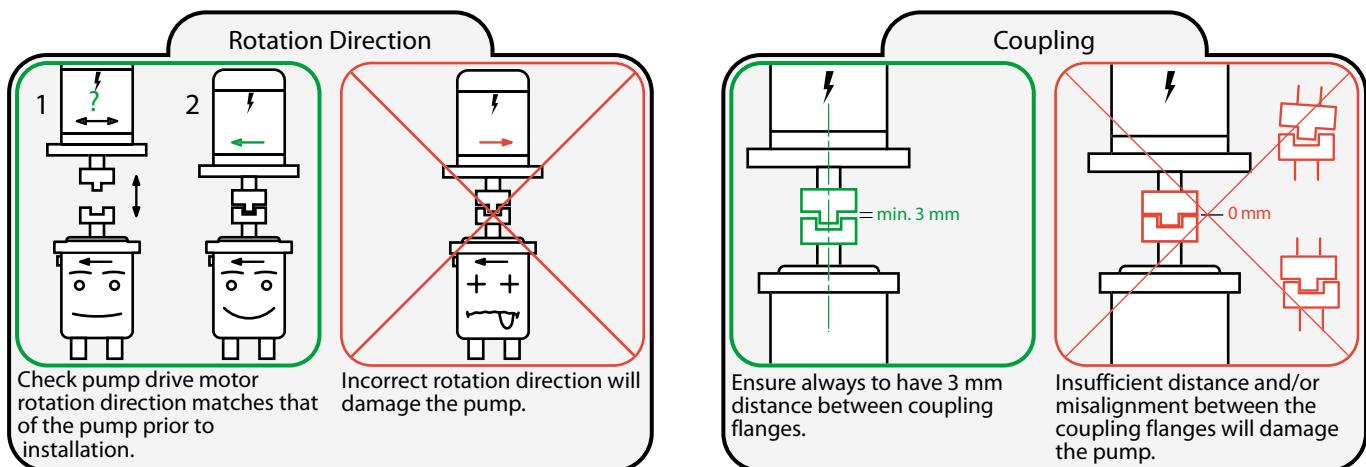
**Description of the mini power pack PPHC**

Note: Max. tightening torque for P and T port : 25 Nm

**Important !!!!!**

Fill up the tank above minimum with water, check the direction of rotation before start of the electrical motor and bleed the pump.

### Direction of rotation of the electric motor

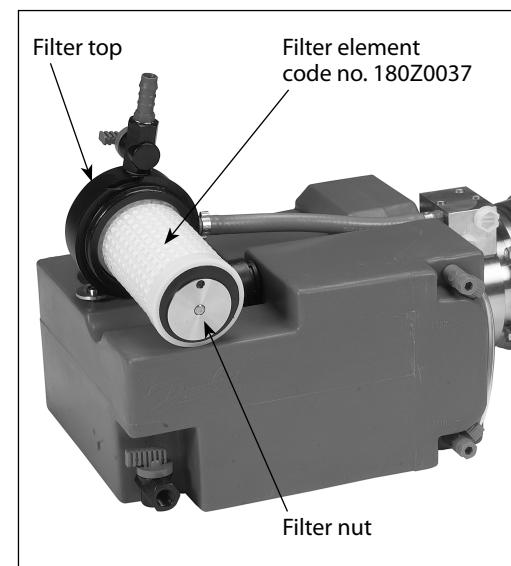


### Filter change

#### Filter change:

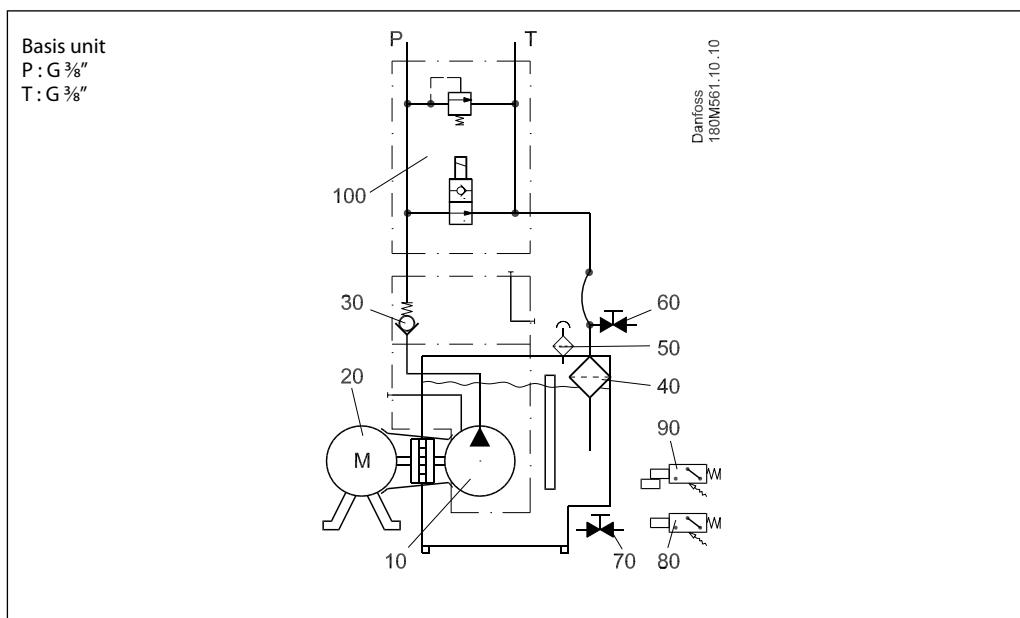
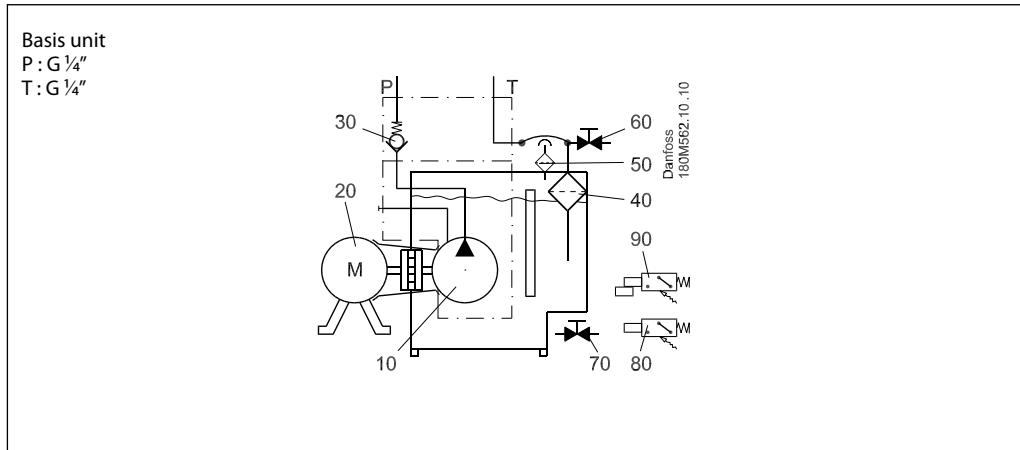
Unscrew the filter top by turning this black top approximately 15° in CCW direction, now it is free from tank.

The element can now be unscrewed from the filter top by loosening the top screw (AF 13 mm). Fix a new element and retighten the filter again.



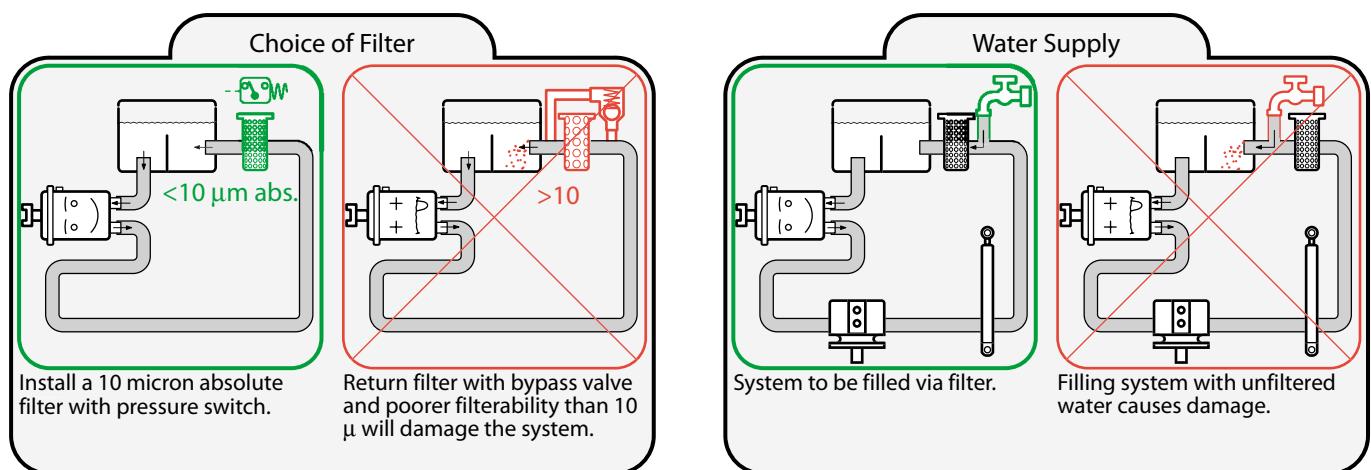
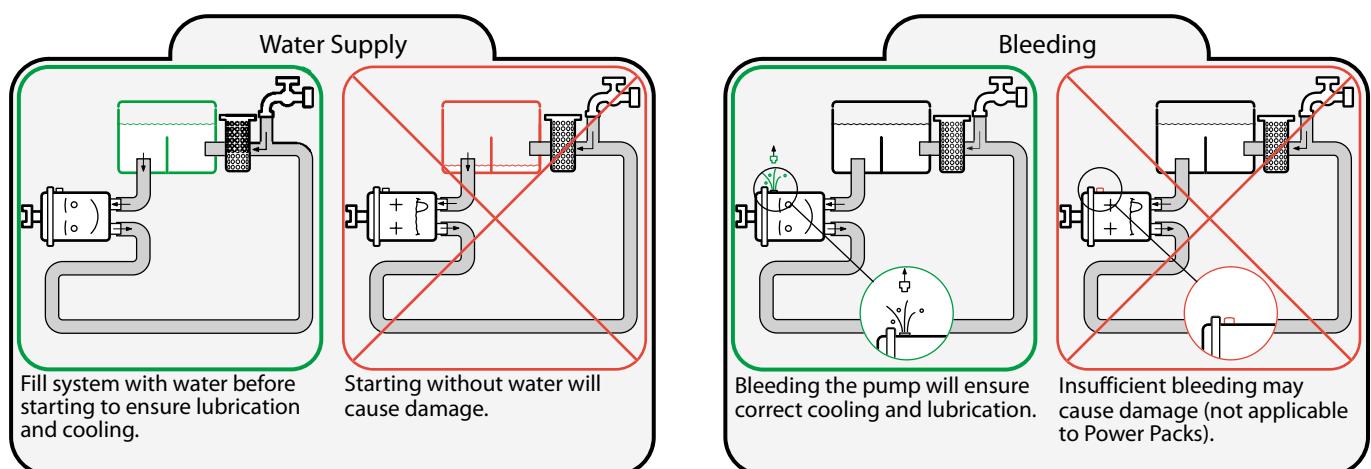
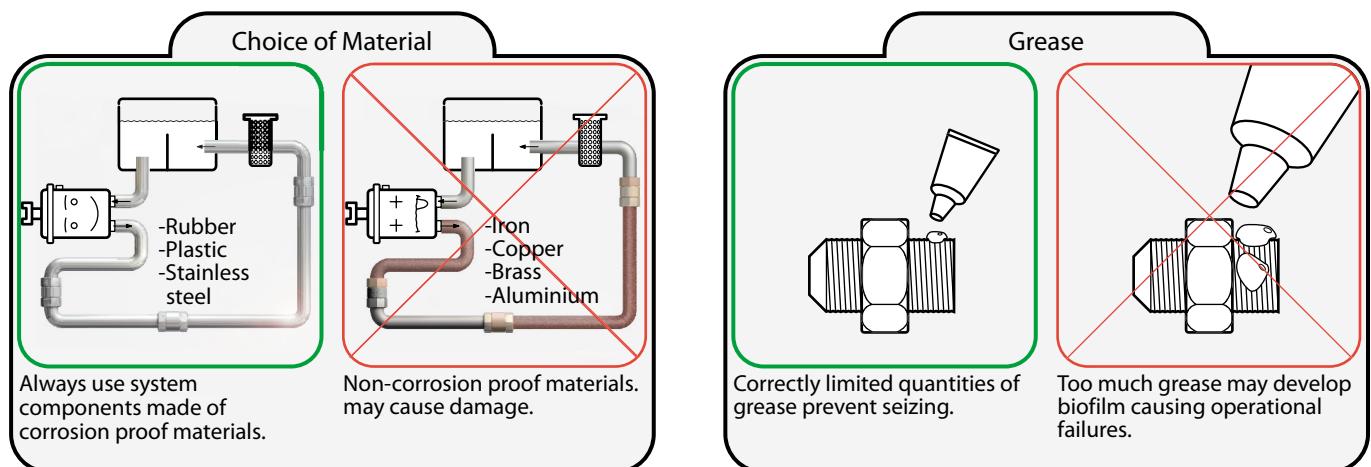
## Hydraulic diagram

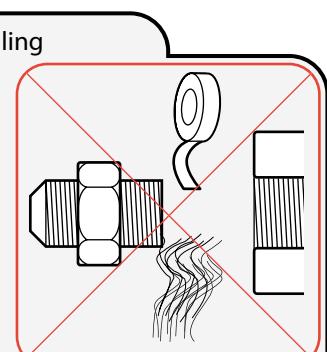
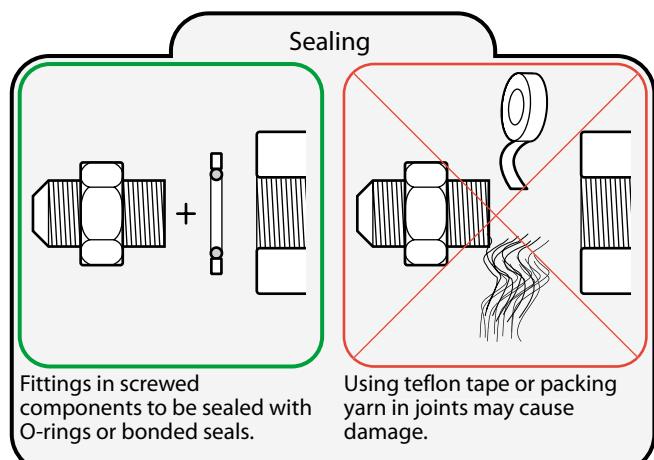
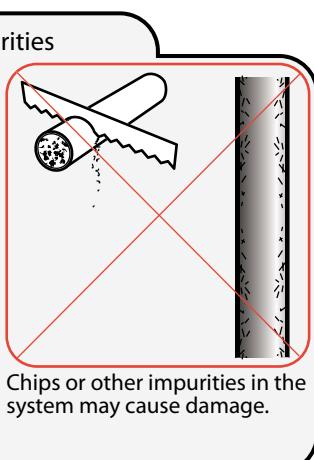
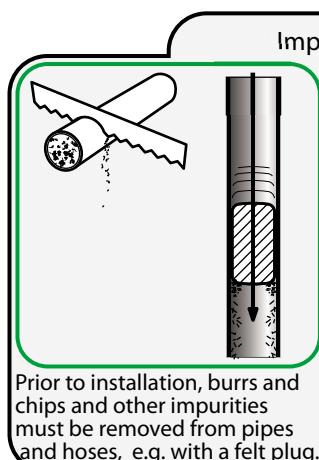
The hydraulic diagram is showing a basis mini power pack and a basis mini power pack incl. 2/2 way valve and a pressure relieve valve.



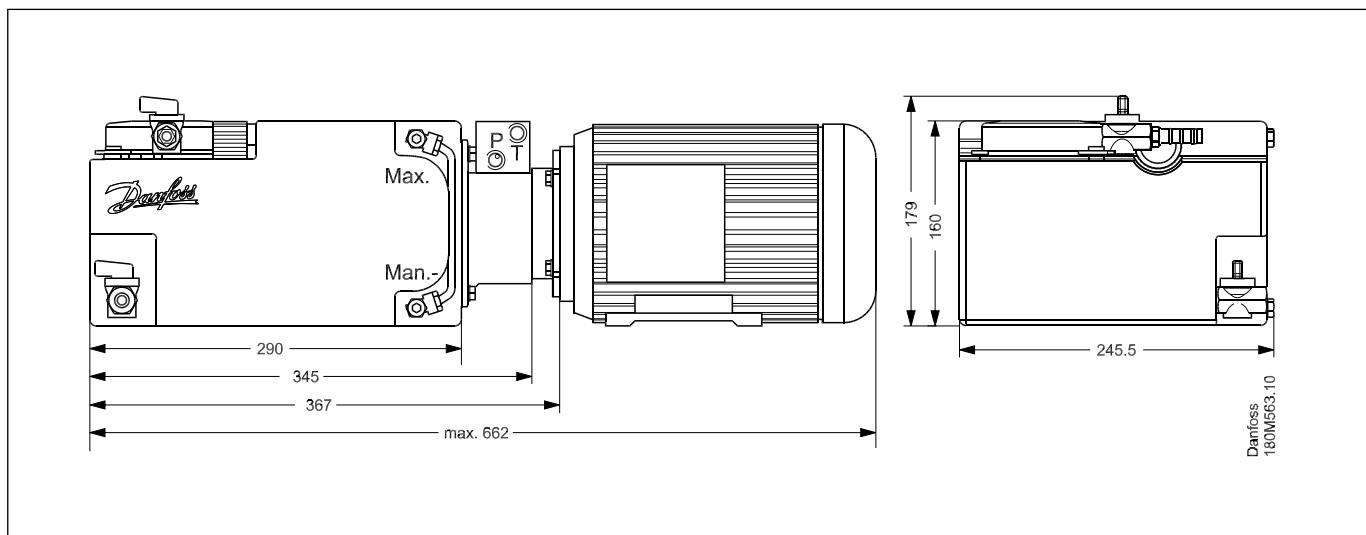
## Positions numbers for diagrams

Pos.	Name
10	Pump
20	Electrical moto
30	Check valve
40	Water filter 5 inch
50	Air filter
60	Ball valve for filling up tank, drinking water connection 12 mm, fit in 1/2" hose
70	Ball valve for emptying the tank
80	Min level switch (option)
90	Temperature switch (option)
100	2/2 way valve incl. pressure relieve valve





## Dimensions on basis module



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