

ITS 12Vdc PUMP SPECIFICATIONS

The ITS 12Vdc pump is a flooded rotor pump with soft start electronics to enable direct PV operation (there are similar looking pumps without this feature). ITS has done extensive testing on this design before making it available and is confident that this is the most robust and cost effective 12V pump on the market. This pump is also used in our SABS tested systems.



Fig 1. Pump with lever ball valve and non return valve connected.

INSTALLATION

When installing the 12v DC pump, please ensure that it is installed in a vertical position (with the wiring at the bottom as shown below). Also always use an ITS supplied non-return valve (check valve) with the pump. The pump must be installed with a flexible braided hose (high pressure water connection hose) on the cold inlet side to ensure that no mechanical force is exercised on the pump via the copper piping. Caution should be taken as to not to over tighten the 15mm connections to the pumps as this will result in the thread of the pump being damaged. If you do not install it like this, damage is possible and the warrantee will not be honoured. Under no circumstances should the pump be opened. Failure to comply with this will mean the guarantee and liability becomes null and void.

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TECHNICAL SPECS

Product name	ITS 12Vdc pump
Voltage	12Vdc
Max Temp	90°C
Max Pressure	600kPa
Head	2m
Flow rate	4 – 8 L/min
Port connections	15mm

GUARANTEE

The 12Vdc pump carries the same 1 year guarantee as all other electronics supplied by ITS and is subject to the same guarantee claim procedures. Please note that the guarantee becomes void if not installed as described above. The guarantee is also void if not installed with the ITS supplied non return valve and controller.

Liability waiver

The manufacturer cannot monitor the compliance with these instructions or the circumstances and methods used for installation, operation and utilization of this pump. Improper installation can cause damage to the solar system and personal injury. For this reason we do not take responsibility and liability for losses, damages or cost that might arise due to improper installation, operation or wrong utilization and maintenance or that occur in some connection with the above mentioned. The manufacturer preserves the right to make changes to the product, or installation and operation instructions without prior notice. As soon as it becomes evident that safe operation is no longer possible (e.g. visible damage), please immediate take the device out of operation.

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