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Notice for safety.
Please give particular care to following signs.

DANGER
Electric shock risk

Improper use may lead into electric shock.

DANGER

Improper use may lead into heavy risk for persons and things.

REMARK

Improper use may cause damage to pump or installation.

ATTENTION: ***Before installing the pump please carefully read this manual. Guarantee will not be activated in case of improper use.***

CHAP.1 FEATURES

The pumps of the **OMNIA®** series are particularly suitable to sump rain water, drain water and waste water. They are used to de-water flooded rooms, to irrigate gardens and backyards, to transfer clear or muddy water, with pumps operating totally or partially immersed.
Each pump is tested and packed very attentively.
Please ensure pump has not been damaged during transport; if this occurs please phone the dealer, within 8 days from purchasing day.

CHAP. 2 USE AND HIS LIMITATIONS

REMARK

Pump cannot be used to move inflammable or dangerous liquids.

REMARK

Ensure pump never runs dry.

MAX. TEMP.OF LIQUID:	**50°C** continuous duty
MAX. IMMERSION HEIGHT:	**7 m** with 10 mt. of power cord
MAX. FREE PASSAGE: 80/5; 160/7; 200/8:	**20 mm**
MAX. ON/OFF CYCLES/HOUR:	**30** equally spaced

The performance data are in millimeters **Please refer to Pict. 1**

TYPE	MIN. PRIMING LEVEL	MIN. DRAINAGE LEVEL	START LEVEL	STOP LEVEL	WEIGHT Kg.
Picture	A	B	C	D	
OMNIA® 80/5	80mm	35mm	250mm	100mm	5,7
OMNIA® 160/7	96mm	35mm	320mm	107mm	6,5
OMNIA® 200/8	96mm	35mm	351mm	111mm	7

Pump with less than **10 mt**. supply cord cannot be used in open spaces.
The min. priming level refers to completely submerged outlet. (See Pict. 1)

CHAP. 3 INSTALLATION

DANGER
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When installing, please ensure pump is disconnected from electric current network.

Please use handlebar to remove or lift pump up.
Please use a non-return valve in case pump is connected to fixed installation with rigid piping; this will avoid liquid circulating when pump has been turned off; use of a pipe fitting will allow easy disconnection of pump for maintenance.
Dimensions of drain well must allow max. 30 on/off cycles/hour. (See USE AND HIS LIMITATIONS)
Please use flexible pipe connected to pump by means of plastic fitting in case of temporary use of pump.
Use a rope to immerse pump and fasten it to pump's handlebar.
OMNIA® aut is equipped with a pre-rated float switch (See Pict. 1); please increase or decrease the free piece of float switch cable by making it sliding through the proper seat on the handlebar, when modifying the rating of float switch.
Pumps used besides or inside swimming pools, garden ponds or similar places may have special requirements.

REMARK

Make sure that float switch turns off pump, when at min. level of liquid.

REMARK

Make sure no obstacles stand in the way of float switch, during up/down swinging.

CHAP. 4 ELECTRIC CONNECTION

REMARK

Ensure tension and frequency of pump (read motor plate) and supply network are same.

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Electric shock risk

Installer must make sure that electric current network has ground wire conforming to current laws.

DANGER
Electric shock risk

Make sure that electric current network is provided with a high-sensitivity circuit-breaker △=30 mA (DIN VDE 0100T739)

The supply cord is equipped with double ground contact, plug so grounding is done when plugging in.

Overload protection

OMNIA® range pumps have a built-in thermal overload with automatic reset.
Further protections are not required.

CONNECTIONS DIAGRAM: **A)** Single phase manual pump
B) Single phase automatic pump

See diagrams Pict.2

See Pict. 2

1) **START** (green)	5) **SUPPLY CORD**	9) **WHITE**
2) **RUN** (red)	6) **GROMMET**	10) **LIGHT BLUE < LINE >**
3) **COMMON** (black)	7) **PLUG**	11) **BROWN < LINE >**
4) **CAPACITOR**	8) **YELLOW-GREEN**	12) **FLOAT SWITCH**

CHAP. 5 MAINTENANCE AND TROUBLE SHOOTING

DANGER
Electric shock risk

Before doing any operation, make sure pump is disconnected from electric current network.

DANGER
Electric shock risk

Power cord must be replaced by manufacturer or by Customer service, using special tools.

No maintenance is required when **OMNIA®** range pumps operate in normal conditions.
Occasionally maintenance of liquid ends and replacement of impeller may be required.

FAULT	POSSIBLE CAUSE	REMEDY
PUMP DOES NOT DELIVER, MOTOR DOES NOT RUN.	1) No electric current supplying.	
	2) Incorrect plugging in .	2) Verify presence of electric current supply and plug in.
	3) Circuit-breaker come into operation.	3) Reinforce circuit-breaker. Please call electrician in case circuit-breaker comes again into operation.
	4) Impeller blocked.	4) Remove obstacle.
	5) Motor or capacitor damaged.	5) Call dealer.
PUMP DOES NOT DELIVER, MOTOR RUNS.	1) Filter obstructed.	1) Clean filter.
	2) Non return valve blocked.	2) Clean or replace valve.
PUMP DELIVERS REDUCED WATER	1) Filter partially obstructed .	1) Clean filter.
	2) Delivery pipe partially obstructed.	2) Remove obstacles.
	3) Impeller worn off.	3) Replace impeller.
INTERMITTENT WORKING	1) Solids obstruct impeller.	1) Remove obstacles.
	2) Too warm liquid.	
	3) Motor broken.	3) Call dealer.