

Jacket cooled stainless steel submersible drainage pump for clear water and drainage water

CR 250

Application

For irrigation and drainage in clear or drainage water. Cellar drainage, pumping water from sumps, pits and rooms. Also suitable for pumping discharge from hand basins, showers and washing machines, for flood relief and water removal from water courses or reservoirs.

The water jacket cooled motor with the top discharge protects the motor against overheating even during sip operation.

DIN EN 12050-2: Conformity and design approved and controlled by LGA, Certificate No. 0220119.

Installation: Permanent or transportable. Model with float switch control for automatic pump operation, depending on medium level in the sump.

Pumped medium: Clear water or drainage water containing soft solids up to 10 mm spherical clearance. Max. medium temperature: 35°C, short term up to 60°C.

Operation: Intermittent.

Design

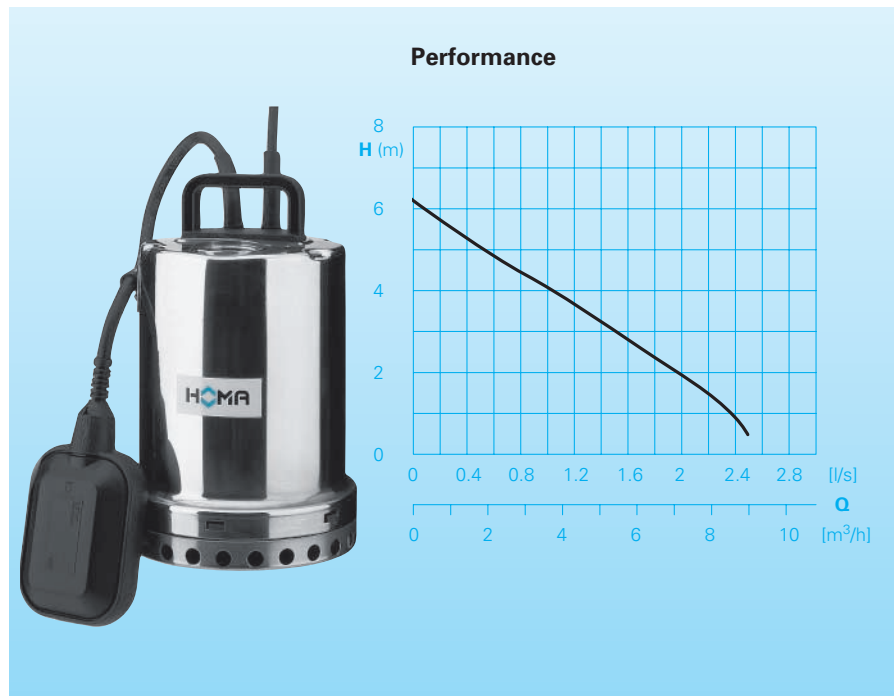
Fully submersible, compact integrated motor-pump consisting of:

Pump: Single stage stainless steel centrifugal pump with cooling jacket and vertical discharge BSP 1 1/4" F. Discharge connection with integrated non-return valve.

Impeller: Open multi-channel impeller, spherical clearance 10 mm.

Motor: Fully submersible, pressure tight electric motor. Stainless steel motor and pump housing. Insulation class B. Motor protection IP 68. Thermal sensors imbedded in the motor winding.

Shaft seal: Stainless steel rotor shaft, pre-lubricated bearings.



Technical Data

Pump type	Motor-input P1 (kW)	Motor-output P2 (kW)	Voltage 50 Hz (V)	Nominal current (A)	Cable type	Weight (kg)
CR 250 W(A)	0,55	0,3	230/1Ph	2,1	H05 RNF 3G1	4,2

Speed: 2900 rpm

Discharge: BSP 1 1/4" F

Model A: With automatic level control HOMA-Nivomatik

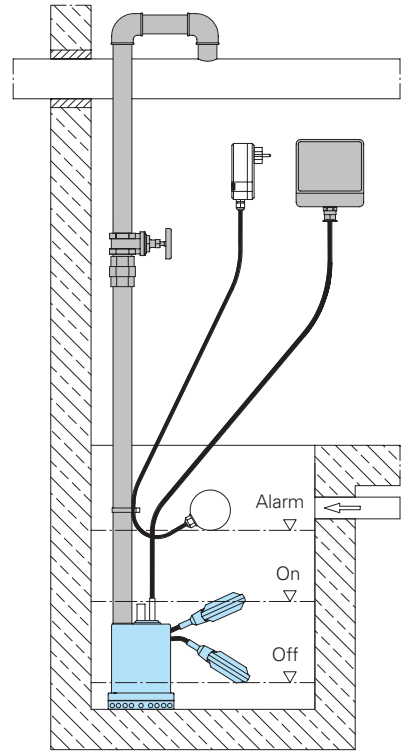
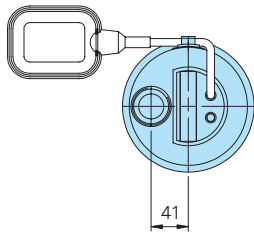
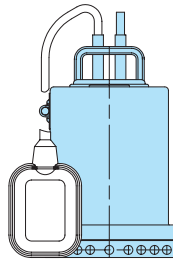
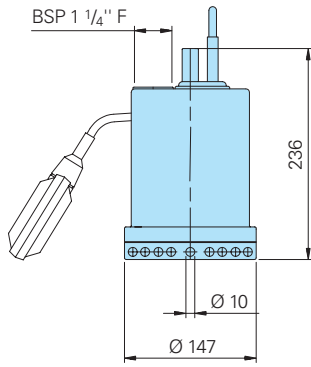
Materials:

Motor housing, rotor shaft, screws, Suction sieve, Pump housing	Stainless steel
Impeller, pressure cover	Glass-fibre, reinforced synthetic material (composite)
Mechanical seal	Carbon-graphite/ceramic
Seal kit	NBR

Equipment supplied

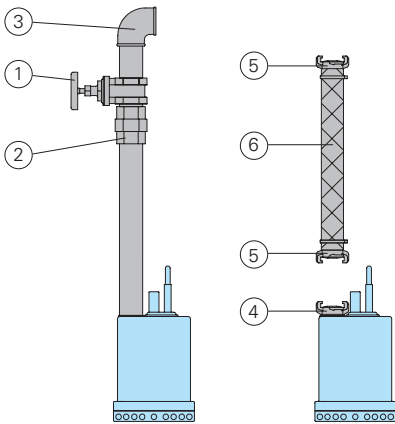
Pump with discharge connection BSP 1 1/4" F with integrated non-return valve. 10 m of cable and plug.

Dimensions and Installations



Dimensions in mm

Accessories



Part Description	Dimension	Part. No.	Part Description	Dimension	Part. No.
① Bronze gate valve	BSP 1 1/4" F	2216012	○ HOMA-Nivomatik float switch level control, conversion unit		
② Galvanized pipe union	BSP 1 1/4" M/F	2114304	- for 220-240 V/1 ph		
③ 90° galvanized elbow	BSP 1 1/4" F	2113604	AZW 10/5	5 m of cable	1435055
	BSP 1 1/4" F/M	2111405	AZW 10/10	10 m of cable	1430105
T-piece for twin pump arrangement	BSP 1 1/4" F	2114301	- for 400 V/3 ph		
○ Bronze non-return valve (if integrated non-return valve is not fitted)	BSP 1 1/4" F	2211213	AZD 10/5	5 m of cable	1912452
○ Galvanized double nipple	BSP 1 1/4" M	2009011	AZD 10/10	10 m of cable	1914452
④ Brass fixed coupling	BSP 1 1/4" M	2005413	○ HOMA 2 poles earth leakage circuit breaker Fi 16/0,03 A		1561160
⑤ Brass hose coupling	BSP 1" / BSP 1 1/4"	2003313 / 2003413	○ Alarm device AL 1 Mains operated with connector for battery 9V (see below) for mains independent operation with integrated buzzer. Mains connection 220-240 V/ 1 ph		1586010
⑥ PVC hose, per m	1" Ø / 1 1/4" Ø	2621000 / 2621200	Battery for mains-independent operation	9 V	1952209
Reinforced hose, per m	1" Ø / 1 1/4" Ø	2632025 / 2632030	Float switch MB, mercury free, on or off, with integrated counter weight.		
Hose band	3/4" - 1" / 1 1/4"	2302330 / 2303252	Cable length	6 m / 10 m	1465706 / 1465710
			○ Control panel for single or twin pump station for automatic operation		On request

HOMA
P U M P T E C H N O L O G Y

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