

## Jacket cooled submersible drainage pump with integrated float switch for clear water and drainage water

### Chromatic® C239 WE

#### 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. The integrated float switch with its extremely compact design allows an application in very narrow sumps.

Installation: Permanent or transportable.

Pumped liquid: Clear water or drainage water containing soft solids. Max. liquid temperature: 35°C, short term up to 60°C.

Operation: Intermittent.

#### Design

Fully submersible drainage pump consisting of:

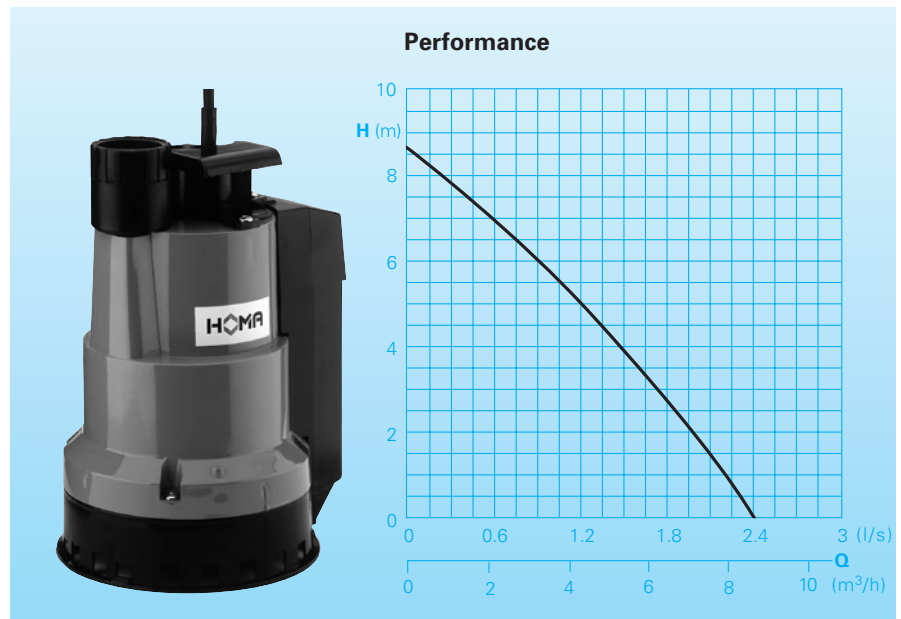
Pump: Single stage centrifugal pump with vertical discharge BSP 1 1/4". Discharge connection with integrated non-return valve.

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

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

Shaft/bearing: Large diameter stainless steel rotor shaft, pre-lubricated bearings.

Seals: Triple lip-seal combination.



#### Technical Data

Pump type	Motor-input P1 (kW)	Motor-output P2 (kW)	Voltage 50 Hz (V)	Nominal current (A)	Cable type	Weight (kg)
C 239 WE	0,4	0,2	230-240/1Ph	2,0	H05RN-F3G0,75	4,7

Speed: 2900 rpm

Discharge: BSP 1 1/4"

#### Materials:

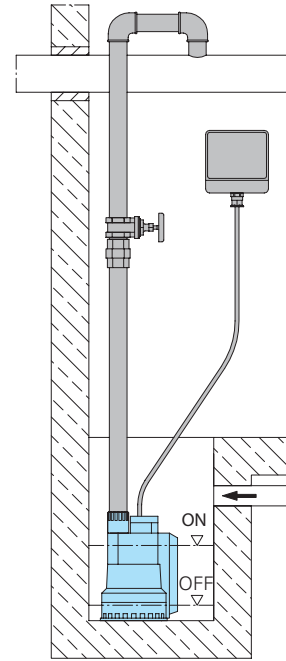
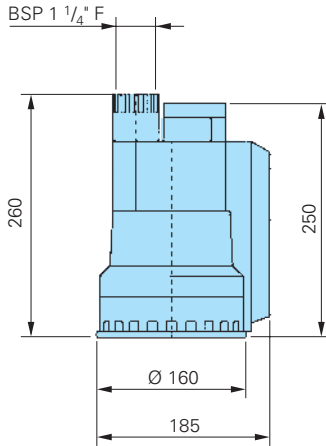
Motor housing, rotor shaft, screws	Stainless steel
Suction sieve, Pump housing	Wear resistant synthetic material (composite)
Impeller	Glass-fibre, reinforced synthetic material (composite)
Elastomere	NBR

#### Equipment supplied

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

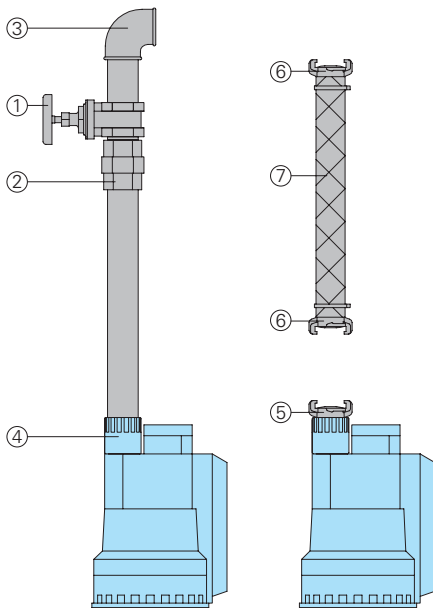
## Dimensions and installations

### Permanent sump installation with pipework and control box



all 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 2 poles earth leakage circuit breaker Fi 16/0,03 A		1561160
② Galvanized pipe union	BSP 1 1/4" M/F	2114304	○ Alarm device AL 3 Mains operated with connector for battery 9V (see below) for mains independent operation with integrated buzzer. Mains connection 230-240 V/ 1 Ph		1586140
③ 90° galvanized elbow	BSP 1 1/4" F	2113604			
	BSP 1 1/4" F/M	2111405			
T-piece for twin pump arrangement	BSP 1 1/4" F	2114301			
○ Bronze non-return valve (if integrated non-return valve is not fitted)	BSP 1 1/4" F	2211213	Battery for mains-independent operation	9 V	1952215
○ Galvanized double nipple	BSP 1 1/4" M	2009011	Float switch MB, mercury free, on or off, with integrated counter weight. Cable length	6 m	1465706
④ Composite non-return valve	BSP 1" F x BSP 1 1/4" F	8167017		10 m	1465710
⑤ Brass fixed coupling	BSP 1 1/4" M	2005413			
⑥ Brass hose coupling	BSP 1" BSP 1 1/4"	2003313 2003413			
⑦ PVC hose, per m	1" Ø	2621000	○ Control panel for single or twin pump station for automatic operation		On request
	1 1/4" Ø	2621200			
Reinforced hose, per m	1" Ø	2632025			
	1 1/4" Ø	2632030			
Hose band	3/4" - 1"	2302330			
	1 1/4"	2303252			

**HOMA**  
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