

## Low suction pump with automatic level sensor for flood protection

### Chromatic C240 WF Sensoflat, C270 WF

#### Application

Pump for pumping clean or lightly soiled water. Automatic extraction from water levels of just 5 mm to prevent severe flooding in rooms without pump sump or floor drain, e.g. through flooding, cloudburst, burst pipes or defective washing machines. Emergency deployment for flooding. A cooling jacket with discharge connector at the top ensures sufficient motor cooling at low water level (sip operation). The sensor switch automatically switches the pump on at a water level of just 5 mm. Residual water is pumped off down to 2 mm.

**Installation:** Stationary or mobile.

**Conveying medium:** Clean or domestic waste water with solid content up to 3 mm grain size. Max. temperature of conveying medium: 35°C, briefly up to 60°C.

**Operating mode:** C240: Continuous operation (S1), at medium temperature 36 - 60°C: Intermittent operation (S3 30%). C270: Intermittent operation.

#### Construction

Fully submersible pump, consisting of:

**Pump:** Single-stage centrifugal pump with vertical pressure connection.

**Impeller:** Open multi-channel impeller, spherical clearance C240: 3 mm, C270: 2 mm

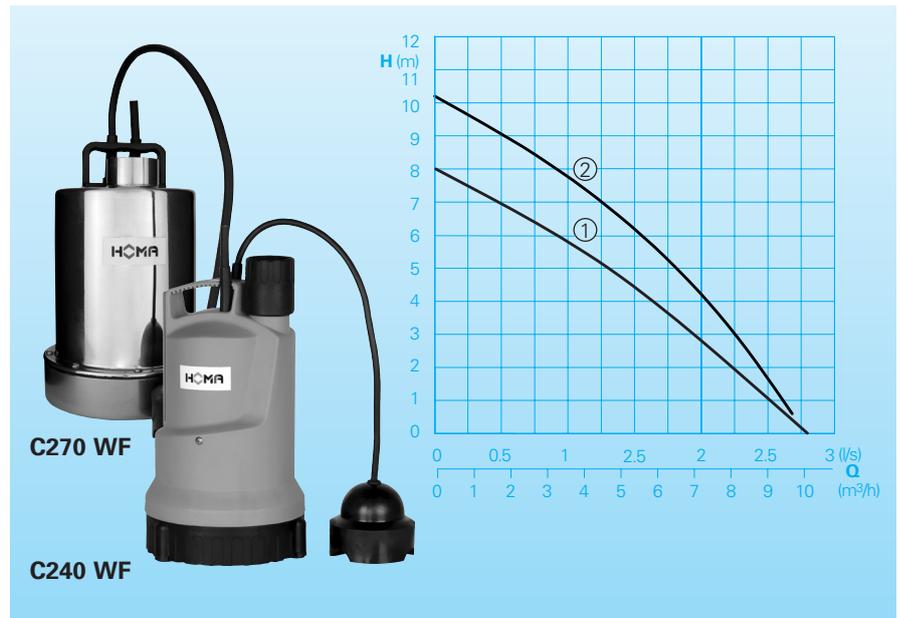
**Motor:** Pressure watertight, medium-immersed motor. Stainless steel motor housing. Insulation class B, protection type IPX8. Thermal sensor for temperature monitoring in the winding.

**Shaft/Bearing:** Generously-proportioned chromium steel motor shaft, permanently-lubricated roller bearing.

**Seal:** C240: Shaft seal with triple radial shaft seal and ceramic-coated sealing surfaces.

C270: Combination of axial shaft seal and radial shaft seal.

#### Conveying capacity



#### Technical Data

Curve no.	Pump type	Motor power		Voltage 50 Hz (V)	Rated current (A)	Connection cable type	Weight (kg)
		P <sub>1</sub> (kW)	P <sub>2</sub> (kW)				
①	C240 WF	0,50	0,25	230/1Ph	2,2	H07RN8-F3G1	5,4
②	C270 WF	0,70	0,45	230/1Ph	3,2	H07RN-F3G1	7,0

Speed: 2850 rpm

Pressure connection: G 1¼

#### Materials

Motor housing, motor shaft, screws	Stainless steel
Strainer, outer housing, C240	Impact-resistant plastic
C270	Stainless steel
Impeller, pressurised lid	Impact-resistant plastic
Elastomers	NBR

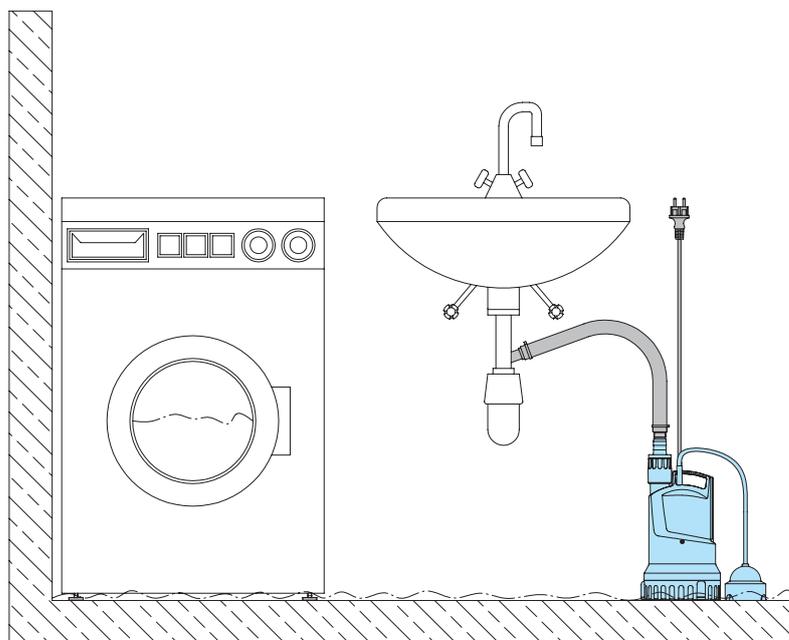
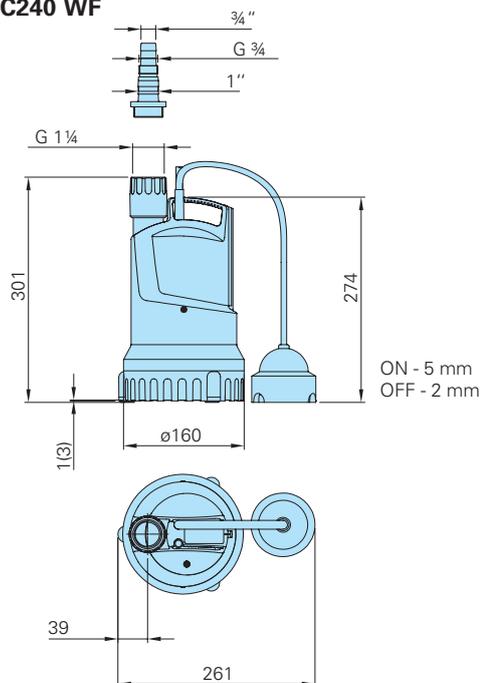
#### Scope of Supply

C270: Pump with sensor switch, 10 m connection cable and mains plug.

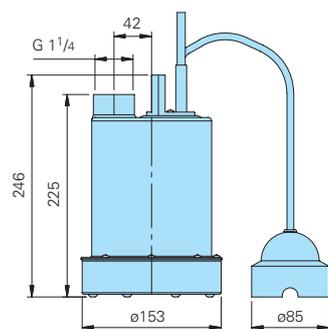
C240: Pump with sensor switch, twin box G 1¼ inc. washers and hose connection, 10 m connection cable and mains plug.

**Dimensions and Installation Example** (all dimensions in mm)

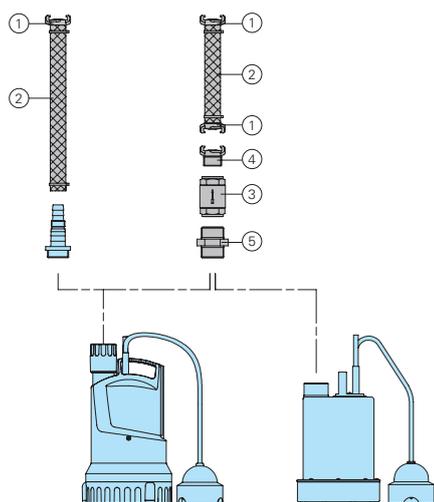
**C240 WF**



**C270 WF**



**Accessories**



Description	Size	Part No.
① Hose coupling, brass	1" $\frac{3}{4}$ "	2003313
		2003213
② PVC hose, per m	1" $\varnothing$ 25 mm	2621000
	$\frac{1}{4}$ " $\varnothing$ 19 mm	2620700
Plastic spiral hose, per m	1" $\varnothing$ 25 mm	2632025
	$\frac{3}{4}$ " $\varnothing$ 19 mm	2632019
Hose clip	$\frac{3}{4}$ " - 1"	2302330
③ Non-return valve, brass	BSP 1 $\frac{1}{4}$ "	2009027
④ Fixed coupling, brass	BSP 1 $\frac{1}{4}$ "	2005413
⑤ Double nipple, brass	BSP 1 $\frac{1}{4}$ "	2009019
○ Residual current device 2-pin, Fi 16/0.03 A		1561160



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