

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

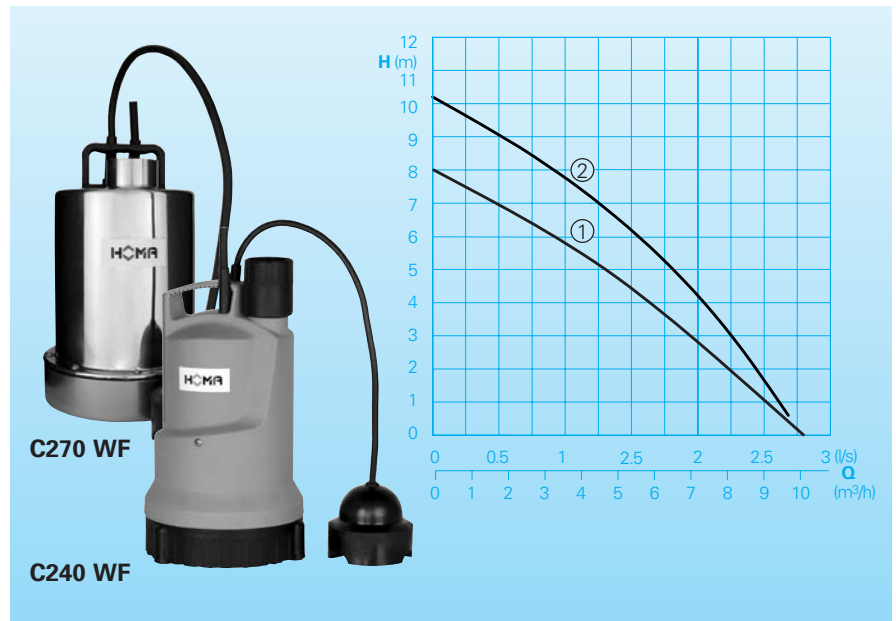
Motor: Pressure watertight, medium-immersed motor. Stainless steel motor housing. Insulation class B, protection type IPX8. Thermal sensor for temperature monitoring in the winding.

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 ₁ (kW)	P ₂ (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

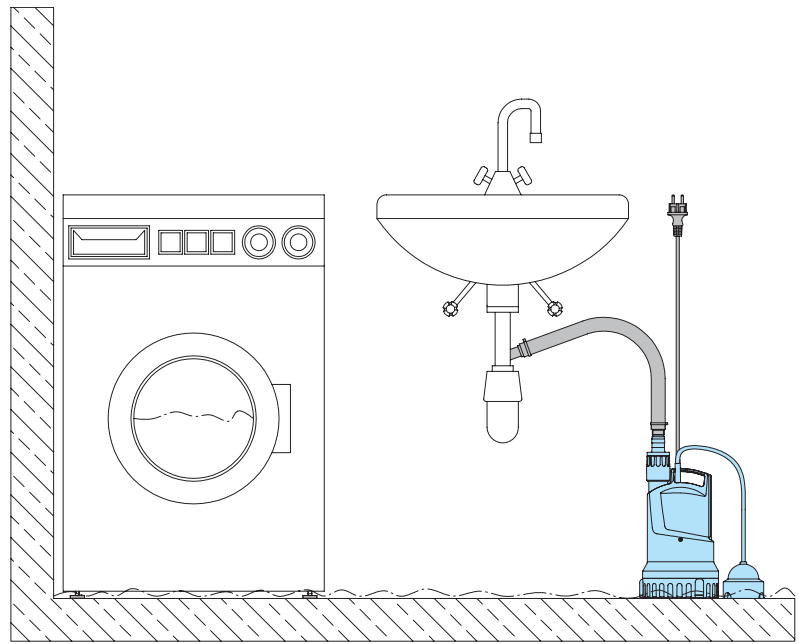
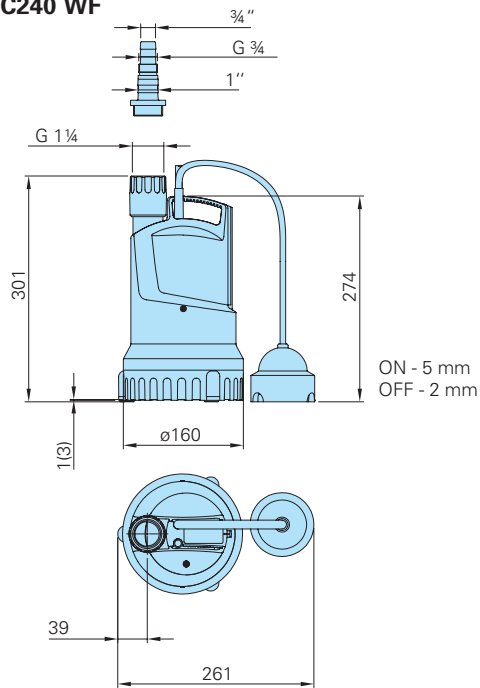
Scope of Supply

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

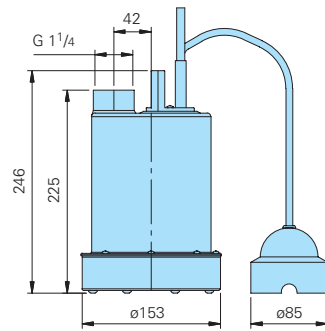
C240: Pump with sensor switch, twin box G 1¼ inc. washers and hose connection, 10 m connection cable and mains plug.

Dimensions and Installation Example (all dimensions in mm)

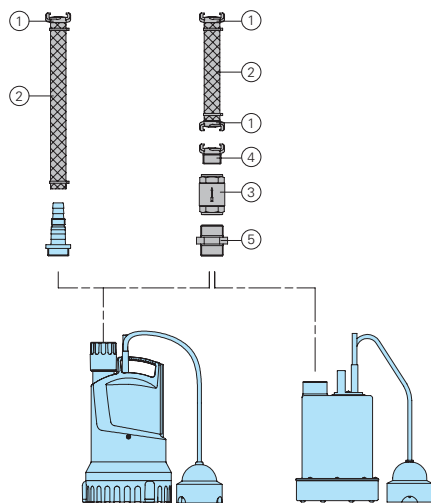
C240 WF



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	2032019
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



HOMA Pumpenfabrik GmbH
 P.O.Box 22 63, D-53814 Neunk.-Seelscheid
 Tel. +49 (0) 22 47/702-0, Fax +49 (0) 22 47/702-44
 e-mail: info@homa-pumpen.de
 www.homapumps.com