Submersible drainage pump
for chemically aggressive drainage water.

Bully CH140, CH150

Application

Disposal of chemically aggressive drainage water from households, e.g. saltwater (up to 15%) from water softening devices and brine from condensing boilers.10 m of connecting cable permits an immersion depth of 7 m. Cooling jacket ensures optimum motor cooling even during sip operation. Automatic ventilation with additional air vent screw. Removable strainer allows extraction of residual water down to 5 mm.
Automatic purging device can be implemented. In combination with the special float switch (accessory), a reduction of the switching height is possible.

DIN EN 12050-2: Design tested and monitored.

Installation: Stationary or mobile. Version with lever float switch for use as automatic water level controlled drainage pump. Continuous operation by means of float switch lock possible.

Pumped medium: Chemically aggressive drainage water from households containing solids up to 20 mm particle size (CH150). Max. temperature of pumped medium: 35°C.

Operating mode: Continuous operation.

Design

Submersible pump, consisting of:

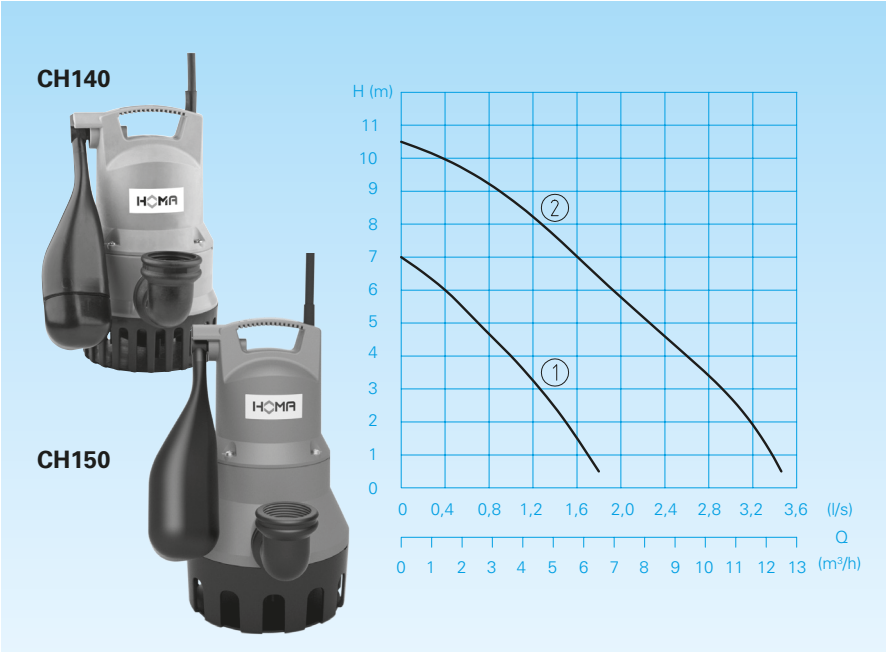
Pump: Single-stage stainless steel centrifugal pump with cooling jacket and discharge below.

Impeller: Open multi-blade impeller, free passage CH140: 10 mm, CH150: 20 mm

Motor: Single-phase electric motor. Motor protection through temperature monitoring. Insulation class F. Protection rating IP 68. Motor shaft and motor housing made of highly resistant stainless steel.

Shaft seal: Combination of shaft seal ring and SIC-mechanical seal.

Conveying capacity



Technical data

Curve No.	Pump type	Motor input P_1 (kW)	P_2 (kW)	Voltage 50 Hz (V)	Nominal current (A)	Connecting cable type	Weight (kg)
①	CH140 WA	0,32	0,17	230/1 Ph	1,4	H07RN-F3G1	4,1
②	CH150 WA	0,75	0,38	230/1 Ph	3,5	H07RN-F3G1	6,0

Rotational speed: 2850 rpm

Discharge: G1 1/4

Model CH: for chemically aggressive drainage water.

Materials

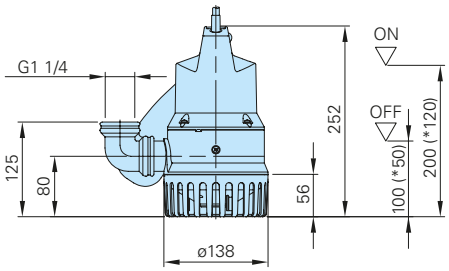
Motor housing,	highly resistant stainless steel
Screws	Stainless steel
Motor shaft	highly resistant stainless steel
Pump housing, suction sieve	glass fibre reinforced plastic
Impeller	glass fibre reinforced plastic
Elastomers	NBR

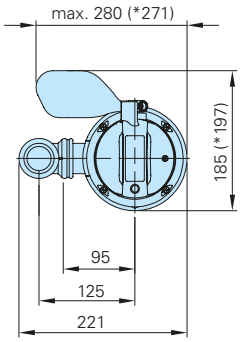
Scope of supply

Pump with 10 m of connecting cable and mains plug, pipe bend with sealing rings, non-return valve, locking clip for float switch.
CH150 additionally with double nipple and double socket with integrated non-return valve.

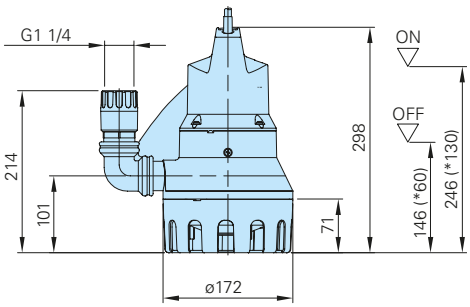
Dimensions and installation example (all dimensions in mm / * dimensions with special float switch)

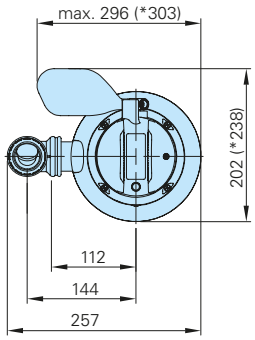
CH140

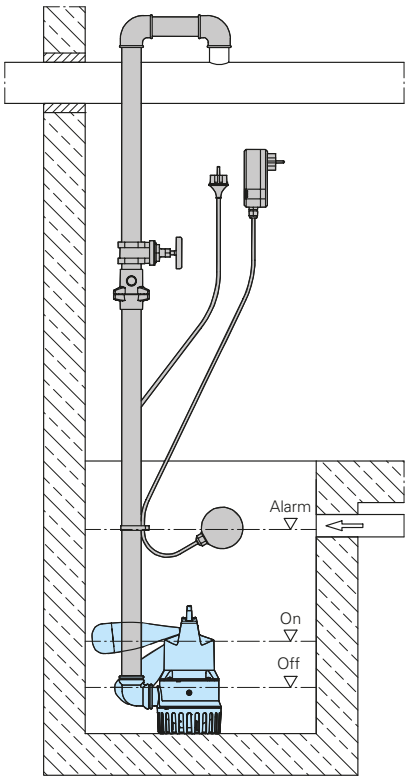




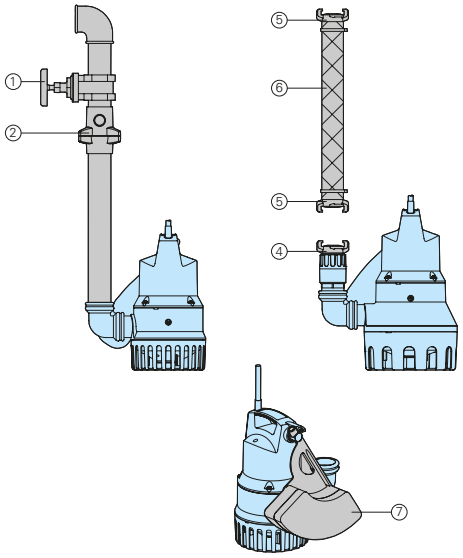
CH150







Accessories



Description	Size	Part no.
① Shut-off gate valve Brass	BSP 1¼"F	2216012
② Non-return valve DN32	G1 ¼"	8002108
④ Fixed coupling, brass	BSP 1¼"M	2005413
⑤ Hose coupling brass	1" 1¼"	2003313 2003413
⑥ PVC-hose, per m	1"Ø 25 mm 1¼" Ø 30 mm	2621000 2621200
Plastic spiral hose, per m	1"Ø 25 mm 1 ¼"Ø 32 mm	2632025 2632030
hose clamp	¾"– 1" 1¼"	2302330 2303252
⑦ Special float switch to reduce switching height for CH140/CH150 (CH140: On ap. 120 mm Off ap. 50 mm) (CH150: On ap. 130 mm Off ap. 60 mm)		7300693.01

Description	Size	Part no.
○ Fault-current circuit breaker 2-pin, Fi 16/0.03 A		1561160
○ Mains-dependent alarm control unit AL3 with connector for 9 V rechargeable battery (see below) for operation independent of mains power supply, with built-in signal transmitter, float switch and 10 m of cable. Main phase connection 230V/1Ph		1586141
9 V rechargeable battery for mains-independent alarm		1952215
○ For pump controllers and switchgears for mobile and stationary applications, measuring systems and monitoring devices,	see HOMA accessories	

We reserve the right to alter our specifications without notice!