

## Jacket cooled submersible drainage pump for chemically aggressive drainage water.

### BULLY CH140

#### Application

Disposal of domestic drainage water e.g. salt water (up to 15%) from water softening devices and brine from condensing boilers. 10 m connecting cable permits the mobile outdoor use and an immersion depth of 7 m. Cooling jacket ensures optimum motor cooling even during sip operation. Automatic air bleed valve with additional venting screw. Detachable suction sieve for low suction of residual water. Automatic flushing if required. In combination with the special float switch (accessory), a reduction of the switching height is possible.

**DIN EN 12050-2:** Conformity and design approved and controlled by LGA.

**Installation:** Permanent or transportable. Model with float switch control for automatic pump operation, depending on liquid level in the sump. Float switch fixation for continuous operation mode.

**Pumped liquid:** Chemically aggressive drainage water from households containing soft solids up to 10 mm spherical clearance. Max. liquid temperature: 35°C

**Operation:** Permanent.

#### Design

Fully submersible drainage pump unit consisting of:

**Pump:** Single stage centrifugal pump with cooling jacket and horizontal discharge G 1 ¼ M.

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

**Motor:** Fully submersible, pressure tight electric motor. Insulation class F. Motor protection IP 68. Shaft sealing consisting of a shaft seal and SIC-mechanical seal. Thermal sensors imbedded in the motor winding. Rotor shaft and motor housing from high quality stainless steel. Open multi-channel impeller, spherical clearance 10 mm.

**Seals:** Combination of shaft seal ring and SIC mechanical seal.

#### Performance



#### Application

Pump type	Motor input P <sub>1</sub> (kW)	P <sub>2</sub> (kW)	Voltage 50 Hz (V)	Nominal current (A)	Cable type	Weight (kg)
CH140 WA	0,32	0,17	230/1Ph	1,4	H07RN-F3G1	4,1

**Speed:** 2850 rpm

**Discharge:** G 1 ¼ M

**Model CH:** for chemically aggressive wastewater

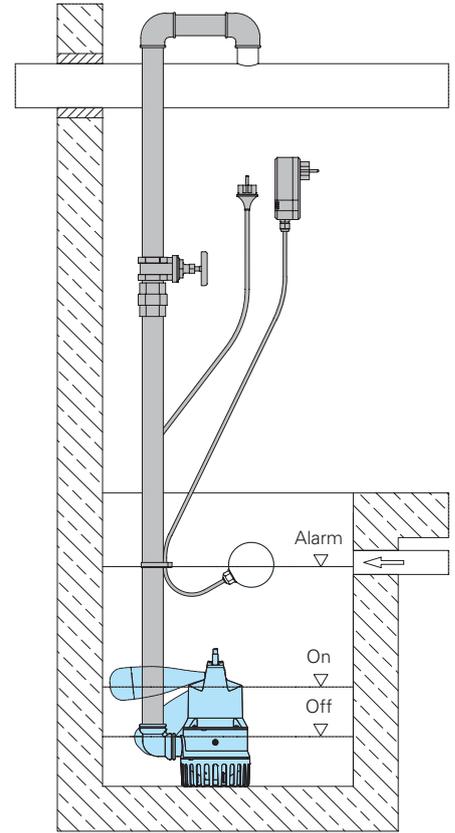
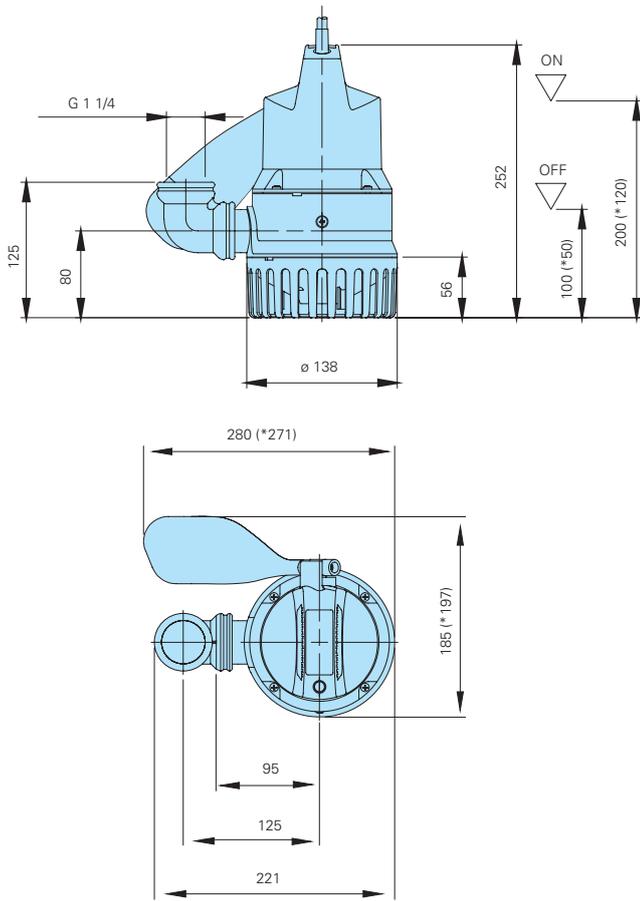
#### Materials

Motor housing,	high quality stainless steel
Screws	stainless steel
Rotor shaft	high quality stainless steel
Pump housing, suction sieve	Glass-fibre reinforced synthetic material (composite)
Impeller	Glass-fibre reinforced synthetic material (composite)
Seal kit	NBR

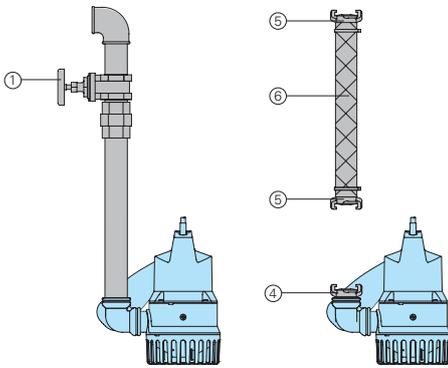
#### Equipment supplied

10 m of cable and plug.  
Integrated non-return valve.  
Elbow pipe with sealing rings.  
Locking clip for float switch.

**Dimensions and installations** (all dimensions in mm / \* with special float switch)



**Accessories**



Part Description	Dimension	Part. No.
① Bronze gate valve	BSP 1 1/4" F	2216012
○ Bronze non-return valve (if integrated non-return valve is not fitted)	BSP 1 1/4" F	2211213
④ Brass fixed coupling	BSP 1 1/4" M	2005413
⑤ Brass hose coupling	BSP 1" / BSP 1 1/4"	2003313 / 2003413
⑥ PVC hose, per m	1" Ø 25 mm / 1 1/4" Ø 30 mm	2621000 / 2621200
Reinforced hose, per m	1" Ø 25 mm / 1 1/4" Ø 32 mm	2632025 / 2632030
Hose band	3/4" - 1" / 1 1/4"	2302330 / 2303252
Special float switch to reduce switching height (On approx. 120 mm Off approx. 50 mm)		7300693
Accessories-Kit:		
Bully Check valve Stationary		8609032

Part Description	Dimension	Part. No.
○ HOMA 2 poles earth leakage circuit breaker Fi 16/0,03 A		1561160
○ 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
Battery for mains-independent operation	9 V	1952215
Float switch MB, mercury free, on or off, with integrated counter weight. Cable length	6 m / 10 m	1465706 / 1465710
○ Control panel for single or twin pump station for automatic operation		On request



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