

The climarine Baseline® BCM1-0030D0, 3kW Water Chiller Unit, is designed and manufactured for use in non-hazardous environments within the process and petrochemical industries. All of our Baseline products are manufactured using quality components, encased in powder coated zintec and manufactured within an ISO9001 accredited quality management system; thus providing our clients with an efficient and reliable product. This unit is primarily designed to be integrated into safety shower systems.



System Description

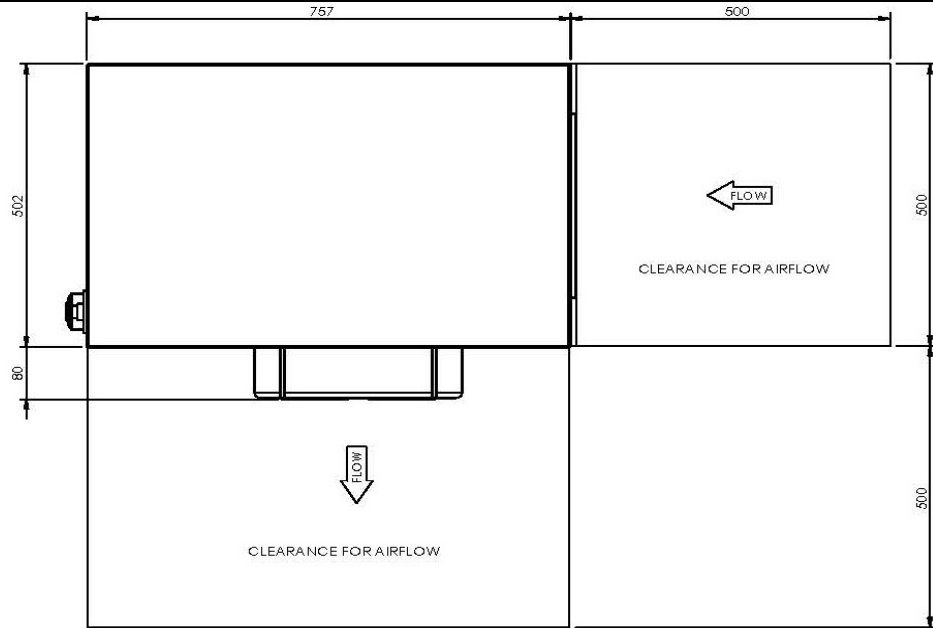
The climarine Baseline® BCM1-0030D0, 3kW Water Chiller Unit, is a packaged unit with an integrated control panel. Controls are designed for ease of operation, without the need for complicated programming whilst still maintaining an efficient automated control of water temperature. This product is typically used to regulate the temperature of stored water for emergency safety showers, decontamination showers, eye or face wash stations and personal wash stations. These units are designed to maintain stored water at a temperature at a defined set point between 25°C and 36°C, in areas with high ambient temperatures.

WATER CHILLER UNIT DATA

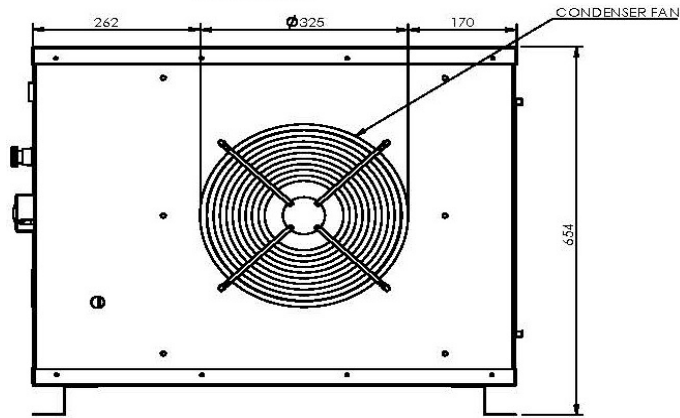
GENERAL DATA

No.	Description	Data
1	Model	BCM1-0030D0
2	Unit Classification	Non-Hazardous Area
3	Operating Limits	0 °C to +55 °C
4	IP Classification	IP 54
5	Noise Level (at 1m distance)	65 dBA
6	Safety Features	HP and LP Safety Switch
7	Nominal Cooling Duty	3 kW
8	Adjustable Water Temperature Range	+25 °C to +36 °C
9	Refrigerant	R134a
10	Cooling Duty Design Point	+40 °C
11	Maximum Allowable Pressure	27.6 barg / 400 psig
12	Unit Weight	71 kg
13	Overall Dimensions (w x d x h)	781 mm x 584 mm x 654 mm
14	Service Space / Airflow Clearance	500 mm
15	Condenser Airflow/ Tube & Fin Material	0.28 m ³ /s / Copper Tube / Aluminium Fin
16	Casing Material	Zintec Mild Steel
17	Casing Material Finish / Colour	Painted / White (RAL 9010)
18	Estimated Fluid Flow Rate	1.5 m ³ /h
19	Fluid Supply Connection Type/ Size	Female BSP / 3/4 inch
20	Fluid Return Connection Type/ Size	Female BSP / 3/4 inch
21	Power Supply	230V±10% / 1 Ph / 50 Hz or 60 Hz
22	Power Consumption	1.864 kW
23	Running Current	8.0 A
24	Control Voltage	230V±10%

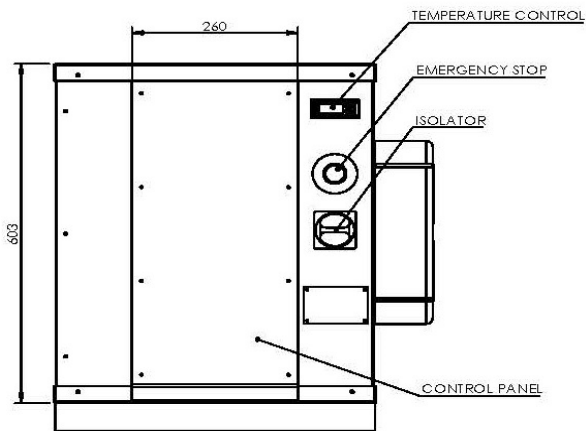
DIMENSIONS



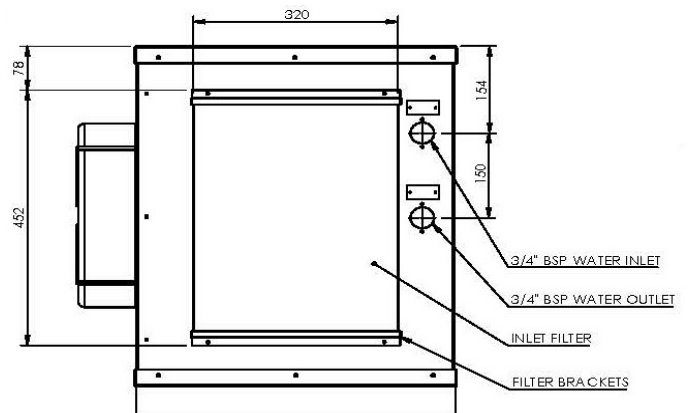
PLAN VIEW



FRONT ELEVATION



LEFT ELEVATION



RIGHT ELEVATION