

Pump sets for potable water

PUMP SETS FOR COOLING MAINS WATER IN CLOSED CIRCUIT.



APPLICATIONS

Food production

- ▶ Dilution of concentrates in beverage production, preparation of sauces and dressings.
- ▶ Mixing dry ingredients and temperature control in bakery applications.
- ▶ Mixing dry ingredients with water to maintain the appropriate temperature and adjust consistency in the production of ice cream, sorbets and pastry products.
- ▶ Preparation of pharmaceutical products.
- ▶ Cooling perishable products such as soups and broths.
- ▶ In the sausage industry, to prevent temperature rise during the ingredient mixing process.
- ▶ Seafood and fish processing for cooling, defrosting, cooking or temperature maintenance.

Washing and pre-cooling of fruit and vegetables.

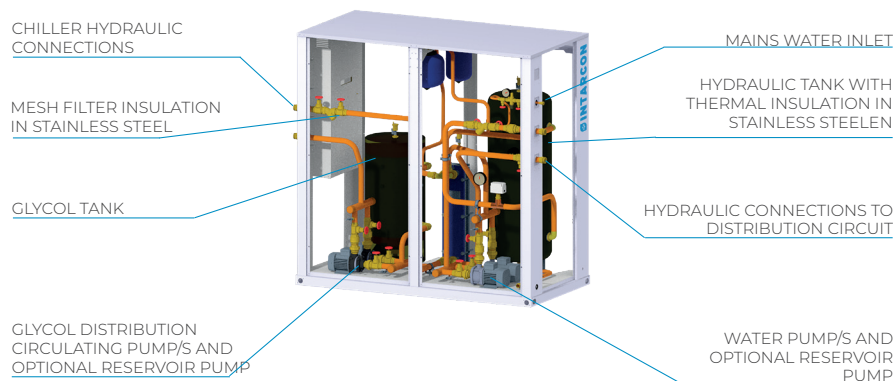
Water pre-cooling for ice production.

TECHNICAL SPECIFICATIONS

CONSTRUCTION 	Casing and structure made of galvanised steel sheet with polyester paint for outdoor installation.	■
	Glycerine-filled thermometers and pressure gauges, air vent and drain connection.	■
	Threaded hydraulic connections.	■
	Silentblocks for unit installation.	○
HYDRAULIC CIRCUIT 	Glycol circulation pump for chiller.	■
	Potable water circulation pump, constructed in AISI 304 stainless steel.	■
	Buffer tank with high-density polyurethane foam insulation and vapour barrier for the glycol circuit buffer tank in the chiller.	■
	Buffer tank with high-density polyurethane foam insulation and vapour barrier, constructed in AISI 304 stainless steel, for the water circuit.	■
	Gasketed plate heat exchanger, removable type, constructed in AISI 304 stainless steel.	■
	Closed diaphragm expansion vessel and safety valve on each circuit.	■
	Mesh filter.	■
	Air vent.	■
	Drain connection.	■
	Continuous water recirculation to minimize consumption.	■
Non-return valves on mains water and return water lines.	■	
Cold water temperature adjustable between 1 °C and 15 °C.	■	
ELECTRICAL PANEL AND CONTROL 	Electrical control and power panel with independent residual-current and circuit-breaker protection for each pump, and electronic controller for pump management and rotation. Communication with chiller for set-point management.	■

■ As standard □ Optional ○ Accessory

B VERSION SCHEME



Stainless steel buffer tank

It guarantees a long service life, being compatible with mains water and avoiding scales and limescale deposits in it.

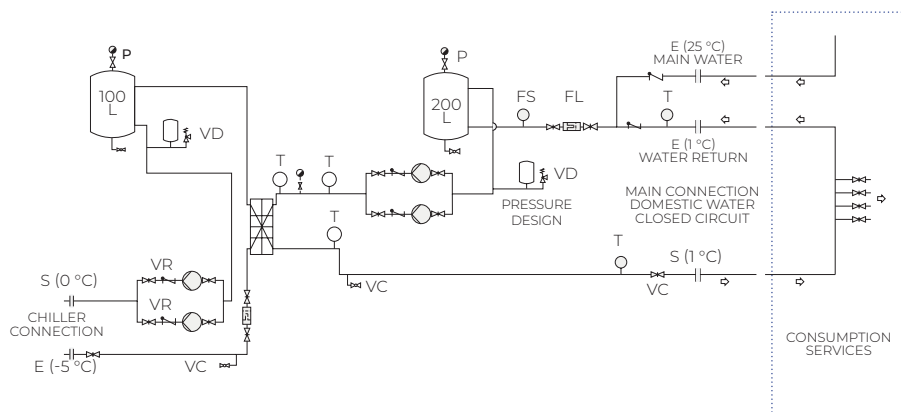


400V 3N 50 Hz / 460V 3N 60 Hz | High temperature | Water

	Series / Model	Q consumption average (litre/hour) ⁽¹⁾	Equivalent Cooling capacity (kW) ⁽²⁾	Glycol flow (m ³ /h)	Available glycol pressure (m.c.a.)	Water flow (m ³ /h)	Available water pressure (m.c.a.)	Tanks volume	Water diameter	Main water	Recommended chiller
WATER GLYCOL	AGH-BPH-4002A/B	357	10	1,8	5	1,4	15	100 glycol / 200 water	1 1/4"	3/4"	MWF-SD-7049A
	AGH-BPH-4003A/B	714	20	3,6	10	2,8	15		1 1/2"	1"	MWW-SD-60982A
	AGH-BPH-4005A/B	1.071	30	5,4	13	4,3	20		2"	1"	MWW-SD-71473A

⁽¹⁾ Caudal promedio de consumo de agua, considerando una temperatura de agua de red de 25 °C y un consumo a 1 °C.

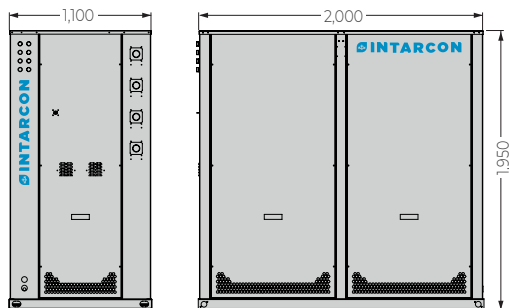
⁽²⁾ Prestaciones calculadas para bombeo de concentración de propilenglicol del 30 % a -5 °C.



- T: PROBE
- P: AIR VENT
- FL: FILTER
- VS: SOLENOID VALVE
- FS: FLOW SWITCH
- VC: SERVICE VALVE
- VD: SECURITY VALVE
- VR: CHECK VALVE

DIMENSIONS

GH-BPH series



Dimensions in mm.