

NARWHAL, Closed loop refrigerated circulator

DESCRIPTION

Grant NARWHAL closed-loop refrigerated circulator is a sustainability-focused, energy-efficient recirculating chiller designed to replace wasteful tap-water cooling in laboratories. Delivering precise, stable cooling from –15 °C to 40 °C, NARWHAL uses adaptive refrigeration technology to automatically match cooling power to heat load, reducing energy use and heat rejection into the lab. Compact, quiet, and easy to integrate, NARWHAL is ideal for reaction chemistry, condensers, rotary evaporation, analytical instruments, bioreactors, and fermentation vessels, helping laboratories cut water consumption, lower utility costs, and meet sustainability targets

Key Features

- Perfectly designed to replace tap water-based cooling solutions in labs and slash utility spend
- Energy efficient, adaptive cooling – cooling power up to 600W adapts to varying heat load conditions across a range of -15 to 40°C
- Easy to use and intuitive interface. No training required
- System exhausts less heat to the room, reducing demand on HVAC
- Effective cooling control with excellent stability of $\pm 0.2^{\circ}\text{C}$
- Powerful 1000mbar pump and adjustable flow rate up to 24L/min
- Easy integration - compact design with a range of accessory connectors and hosing kits
- Peace of mind - 3-year warranty and high quality, manufactured in the UK
- Very quiet operation
- New modern, eye-catching design to stand out in labs
- UK designed and manufactured to the highest specifications

Applications

- Ideal for reaction chemistry, condensers, reflux, solvent extraction and Soxhlet systems
- Higher power cooling and pumping allows for cooling in series/parallel
- Replaces high-cost tap-water cooling with closed-loop
- Precision for better accuracy and reproducibility
- Cooling for analytical instruments, biological workflows, optics and general temperature control
- Temperature control of bioreactors and fermentation vessels
- Great for facilities aiming to cut water use and meet sustainability standards such as LEAF



CAT. NUMBER

NARWHAL EU

230VAC 50/60Hz Euro plug



HOSE10

HOSE10

10mm hose kit for the ORCA and NARWHAL

Includes 2x 2m hose (ID 10mm, 14.5mm OD), 2x 2m insulation, 4x hose clips and 2x hose barbs (2x 1/2" male to 10mm barb (1/2" to 3/8"))



HOSE13

HOSE13

13mm hose kit for the ORCA and NARWHAL

Includes 2x 2m hose (ID 13mm, 19mm OD), 2x 2m insulation, 4x hose clips and 2x hose barbs (2x 1/2" male to 13mm barb (1/2"))



C1-2M-10

C1-2M-10

1/2" male to 10mm OD push fit

2x 1/2" male to 10mm OD push fit for semi rigid tubing



C1-2M-12

C1-2M-12

1/2" male to 12mm OD push fit

2x 1/2" male to 12mm OD push fit for semi rigid tubing



SC1-2M-10

SC1-2M-10

1/2" male to 10mm OD push fit

2x 1/2" male to 10mm OD with 90° swivel elbow push fit for semi rigid tubing



SC1-2M-12

SC1-2M-12

1/2" male to 12mm OD push fit

2x 1/2" male to 12mm OD with 90° swivel elbow push fit for semi rigid tubing



S1-2M-M161C

S1-2M-M161C

1/2" BSP male to M16-1 male (cone)

2x Connector to attach to free fitting, cone tipped hosing 1/2" BSP male to M16-1 male (cone)