

Grant

Cooling systems

Cooling systems allow stirred baths, bath/circulators and immersion thermostats to operate at or below room temperature.

CG refrigerated immersion coolers

Product type:

* immersion cooler

- refrigerated cooler which, by means of a coil dipped into the bath, allows that bath to operate at or below room temperature

* cooling power @ 20°C: 300W, 350W

- select the cooling power appropriate for your application
- powerful cooling for rapid cool down and good heat extraction
- ozone friendly refrigerant

* construction

- immersion coolers consist of a nickel-plated copper cooling coil, connected by a flexible pipe to a refrigeration unit, which is housed in an outer case; the cooling coil is specially designed to fit in the bath such that it doesn't impinge on the working area (except W6)
- immersion coolers extract heat continuously, with temperature control carried out by the bath's control unit

* design features

- quiet operation maintains a peaceful working environment

- sturdy and reliable, for durability and resistance to corrosion and tough treatment
- footprint is minimised, to take up minimum space on the bench
- installation and operation are straightforward - no training is required
- concise working instructions are printed on the outer case for permanent reference

* safety

- overload protection on the compressor

* three year guarantee

- all Grant equipment is robust and reliable, designed and built to provide you with years of trouble-free service
- all the equipment in this catalogue is guaranteed for three years against faulty materials and workmanship

Heat exchange coil

The CW5 heat exchange coil is designed to be attached to a supply of cooling tap water, or a refrigerated circulator. Temperature can be controlled down to 2°C above the temperature of the coolant. The coil is made of nickel-plated copper, and is designed to fit in the bath such that it doesn't impinge on the working area (except W6).

All Grant refrigerated products use ozone-friendly refrigerant gas



* -20 to +35°C operation

Bath	Minimum temperature achievable:	Cooler
Y and W series, all sizes, all controllers	2°C above coolant temperature	CW5
Y and W series, all sizes, all controllers	0°C	C1G
Y28-VF/VFP; Y38-VF/VFP	0°C	C2G
W28-ZA; W38-ZA	0°C	C2G
W28-ZD; W38-ZD	-15°C	C2G
VFK, VFPK, TA, TD	2°C above coolant temperature	CW5
VFK, VFPK, TA	0°C	C1G or C2G
TD	-20°C	C2G

C1G used with 28 and 38 litre baths is an ideal, energy efficient system for operation between 10°C and room temperature. The C2G provides more powerful cooling for temperatures below 10°C, and for applications which involve external circulation.