

Water/ Glycol Chiller

UT003 Process Chillers

Efficient Product Cooling

OMVE offers a range of ready-to-use closed loop chillers. These process chillers are equipped with smart control to manage cooling conditions. The chillers have an integrated circulation pump making them an ideal choice for closed loop cooling applications. This saves water as well as prevents chilled water from draining out. The chillers come in various cooling capacities starting from 1.2 kW and up to 31kW.



OMVE chillers are a preferred choice to cool products in heat exchangers or in process tanks. The frame of these chillers is completely made of stainless steel, making them suitable for any food grade compatible lab. These compact chillers can be placed in close proximity to process equipment to minimize temperature loss and pipe work.

The chiller uses a water/ glycol mixture depending on the required cooling temperature. The chillers are suitable to be set to minus 5°C.

OMVE chillers are safe, reliable and durable. They are the best solution for your lab & pilot systems needs.

Features & Benefits

- Insulated water tank for automatic refills
- Built-in water bypass to protect pump
- High accuracy in temperature control
- Stainless steel construction, suitable for food-grade environment
- Closed loop chillers save resources and reduce overhead costs
- Seamless integration with other OMVE equipment such as CF, HT & MPV ranges

Applications

- Cool product in heat exchangers
- Cool products in process tanks

Working Principle

The OMVE UT003 allows water to be pre-cooled before entering the OMVE system(s). Especially in warmer climate conditions or where cold technology is key (such as the CF series), allows a dramatic improvement in cooling or carbonization performances. The UT003 allows water to be cooled inline, utilizing its internal cooling cycle based on a cooling element, to achieve deeper cooling performances.



Re-Circulate Chilled Water

Save money by re-circulating water in a closed circuit system



Faster Cooling

Cooling down below ambient temperature <math>< 10-5^{\circ}\text{C}</math>



Specifications

Name of Chiller	Cooling Power (kW)	Temperature Range	Operating Voltage	Amp Min. - Max.	Weight (kg)	Dimensions L x W x H (mm)			Water Tank Volume (L)
UT003 1.2 A	1.2	-5°C to 20°C	1N 220-240V/50Hz	5.27-6.02	80	690	554	478	23
UT003 1.2 C	1.2	-5°C to 20°C	1N 220-230V/60Hz	8.53-10.88	80	690	554	478	23
UT003 2.5 A	2.5	-5°C to 20°C	1N 220-240V/50Hz	7.20-8.20	81	690	554	478	23
UT003 2.5 C	2.5	-5°C to 20°C	1N 220-230V/60Hz	11.48-14.55	81	690	554	478	23
UT003 3.5 A	3.5	-5°C to 20°C	1N 220-240V/50Hz	9.87-12.27	89	690	554	478	23
UT003 3.5 C	3.5	-5°C to 20°C	1N 220-230V/60Hz	10.88-11.68	89	690	554	478	23
UT003 3.9 B	3.9	-5°C to 20°C	3x380-415V/50Hz	5.60-8.30	160/180	792	722	1092	45
UT003 3.9 C	3.9	-5°C to 20°C	3x 208-230V/60Hz	16.40-26.20	160/180	792	722	1092	45
UT003 5.4 B	5.4	-5°C to 20°C	3x380-415V/50Hz	5.52-7.38	176/200	792	722	1092	45
UT003 5.4 C	5.4	-5°C to 20°C	3x 208-230V/60Hz	16.40-26.20	176/200	792	722	1092	45
UT003 8.5 B	8.5	-5°C to 20°C	3x380-415V/50Hz	8.84-10.84	200	792	722	1092	45
UT003 8.5 C	8.5	-5°C to 20°C	3x 208-230V/60Hz	16.27-24.67	200	792	722	1092	45
UT003 16 B	16	-5°C to 20°C	3x380-415V/50Hz	13.38-23.31	394	1782	722	1222	140
UT003 16 E	16	-5°C to 20°C	3x 440-480V/60Hz	14.26-24.34	394	1782	722	1222	140
UT003 23 B	23	-5°C to 20°C	3x380-415V/50Hz	18.06-23.47	394	1782	722	1222	140
UT003 23 E	23	-5°C to 20°C	3x 440-480V/60Hz	14.26-24.34	394	1782	722	1222	140
UT003 31 B	31	-5°C to 20°C	3x380-415V/50Hz	24.84-44.42	613	2236	722	2032	140
UT003 31 E	31	-5°C to 20°C	3x 440-480V/60Hz	28.56-47.20	613	2236	722	2032	140



50L/hr HTST/UHT + Homogenizing + Chilling + Hygienic Filling

OMVE Netherlands B.V.
 Gessel 61
 3454 MZ, De Meern
 The Netherlands
 Tel +31 30 241 00 70
 sales@omve.com
 omve.com

OMVE Americas Inc.
 251 Main Street East, Suite L01
 Milton, ON L9T 1P1
 Canada
 Tel +1 416 986 8442
 sales@omve.com
 omve.com

