



VCU Cooling & Ice Systems



The Maritime Specialist

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The Maritime Specialist

About VCU. Visserij Coöperatie Urk (Urk Fisheries Cooperative, VCU) has been a leading name in the fishing industry since 1922. As a professional maritime specialist, we distinguish ourselves by offering a full-service concept of both goods and services.

The fishing gear and the fishing vessels are our core business ! From steel wire to gasoil and from fishing nets to the catch processing and winches, we have it in our stock. We can deliver, produce, service or repair all these necessary items for your fishing industry. As a cooperative, we work innovatively, allowing our members, partners and clients to make use of our fast service, expertise and reliability.

This cooperative possesses three modern premises on Urk. The head office, as well as VCU Oil B.V., VCU Store B.V., VCU Safetycentre B.V., VCU Maritime B.V. and VCU TCD B.V. are located in Urk.

We are specialised in providing technical services and performing repairs, revisions, (large-scale) rebuilding, conversions and construction of a variety of vessels. Furthermore, the VCU TCD is specialized in the fabrication of winches and related hydraulic systems named "Osey Urk Winches". VCU's modern vehicle fleet consists of service buses and crane trucks. These are employed to quickly perform repairs or deliveries on-site. Our working range includes The Netherlands, France, Belgium, Germany, Denmark, Norway and the UK.

SOME SPECIALIZED PRODUCTS ARE:

- Gasoil deliveries in all fishing ports around the North Sea
- Combination ropes for the flyshooting Danish seining
- Steel wire and chain for fishing industry
- Nets for flyshooting, twin- and quadrigging, beamtrawling and shrimp fishery.
- OSEY Urk (flyshooting) winches
- VCU CatchManagement system (grading, weighing and recording fish hauls onboard)
- Complete catch processing systems (transporting, grading, washing, holding, etc.)
- VCU Flake & Slurry Ice machines
- VCU Cooling systems



Specialized in cooling and ice systems in the fishing industry and cold storage

We are specialized in both the cooling of fish and the cooling of the storage areas for fish in the fishing and the fish industry.

VCU Flake Ice Machines

Our flake ice machines are equipped with a vertical icemaker made entirely of stainless steel (SS-316) with a stationary drum. The advantage of a stationary drum is that the refrigerant cannot be leaked through the seal(s). As standard, the icemaker is suited for making flake ice from seawater. These flake ice machines are produced under license in our ultramodern production facility in Southeast Asia, using well-known brand components, such as Bitzer, Danfoss, Bock and Schneider. Flake ice normally consists of flat, thin pieces of ice and is primarily used in the fish and concrete industries. Our flake ice machines are made for commercial and industrial applications and are designed to produce clean and fresh flake ice without difficulty. The flake ice is cooled to -6°C/-7°C. The form of flake ice offers a large surface area, as a result of which the product can be cooled quickly. The thickness of the ice is approximately 1.5 to 2 mm. The solidity of the ice can be adjusted by adding salt to the water. For this, a special salt mixing pump and reservoir is provided.

Model	IFS1T-R4W (A)	IFS3T-R4W (A)	IFS5T-R4W (A)	IFS10T-R4W (A)
Capacity (kg/day)	1000	3000	5000	10000
Cooling capacity	6.6 kW	19 kW	31.9 kW	75.5 kW
Nominal output	5.25 kW	13.2 kW	22.4 kW	45.5 kW
Voltage	380 V/50 hz	380 V/50 hz	380 V/50 hz	380 V/50 hz
Cooling condenser	Air/seawater	Air/seawater	Air/seawater	Air/seawater
Refrigerant	R-404A/R-407F	R-404A/R-407F	R-404A/R-407F	R-404A/R-407F
Weight	500 kg	650 kg	1050 kg	2020 kg
Dimensions (mm)	1320x920x900	1500x1200x1350	1800x1500x1540	2800x1750x1750

VCU Slurry Ice Machines

We supply VCU Slurry Ice Machines in various capacities. Slurry Ice is a mix of microscopic ice crystals. The Slurry ice crystals are a minuscule 5 microns (or 0.005 mm) in size. It fully suffuses the products as a result of which no air can come between the product and the Slurry ice. This creates the maximum surface contact with the product to be cooled. This results in the fastest possible cold transfer and immediately cools the product to the core. It impedes potential harmful bacteria growth and chemical reactions, and as a result the product shelf life is substantially increased. No cooling medium is colder, cleaner, purer, smaller and faster than Slurry ice.