



Our Technologies Brochure

Refrigeration Solutions Made Simple

Our solutions are Compact, Modular, Innovative and for a demanding environment

Everflo Pty Ltd | Tel. +27 21 557 6824 | marketing@everflo.co.za | www.everflo.co.za



The Ultimate Flow Ice Solution

Flow Ice is a refined form of slurry-ice that is generated by cooling salt water down to freezing temperatures. This flowing ice has various advantages including being pumpable and providing very fast chilling times for various products. Our innovative approach allows for a compact unit that is unmatched in terms of output per footprint size.

All the machines are ammonia-based with the associated benefits over Freon systems.

INDUSTRIAL REFRIGERATION SOLUTIONS MADE SIMPLE

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Flow Ice - Land based containerised



Ammonia or Freon Flow Ice unit built into a 12m container with air cooled condenser

Flow Ice Model	Mycom Compressor Model	Motor kW	Sea Water temperature @ +20°C Ice Concentration at:		
			Flow rate in litres per hour		
			20%	30%	40%
RF3	i125S	37	2500	2000	1380
RF4	i125L	75	4000	2800	2100
RF5	i160S	90	5300	3600	2500
RF6	i160S	90	5800	4200	3100
RF8	i160M	110	7200	5500	4000
RF5L	i160M	110	7200	5300	4000
RF6L	i160L	132	8700	6400	4800
RF7L	i160L	160	10500	7500	5600
RF8L	i160L	160	11100	8600	6400
RF9L	i160L	160	12800	10300	8000

Flow rates are indicative and will be confirmed with detailed design

Applications

Marine and fish processing

- Ultra fast chilling
- Onboard vessels
- Process factories (temperature control)
- Purse seiners, Tuna, White fish



Flow Ice - Marine Stand Alone Unit



Ammonia units fitted titanium shell and tube condensers

Flow Ice Model	Mycom Compressor Model	Motor kW	Sea Water temperature @ +20°C Ice Concentration at:		
			Flow rate in litres per hour		
			20%	30%	40%
RF3	i125S	37	3100	2100	1550
RF4	i125L	55	4200	2800	2100
RF5	i125L	55	4800	3500	2600
RF6	i160S	75	6300	4200	3000
RF8	i160S	75	7500	5600	4200
RF5L	i160S	75	7000	4300	4000
RF6L	i160M	90	8700	6400	4800
RF7L	i160L	110	10400	7500	5600
RF8L	i160L	110	11000	8500	6400
RF9L	i160L	132	12700	10300	8000

Flow rates are indicative and final output will be confirmed with detailed design

Applications

Marine and fish processing

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RSW Water Chilling

The company was registered in 2002 and has since grown to one of the biggest players in the marine refrigeration market.

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RSW - water chilling

Industrial Unit



Commercial Unit



Industrial Units (-4 / +35°C, Ammonia)

Model			Chilling Rate +20°C / 0°C
A	B	C	
RSW1	45	150	7m ³ /h
RSW 2	75	240	11m ³ /h
RSW3	90	350	16m ³ /h
RSW 3	110	440	20m ³ /h
RSW 3	132	530	24m ³ /h
RSW4	200	800	36m ³ /h

Commercial Units (-4 / +35°C, Ammonia or Freon)

RSW	11	30	1350L/h
RSW	22	60	2700L/h
RSW	30	90	4050L/h

A = Type B = Motor C = Refrigeration Capacity

Larger units available on application

Applications

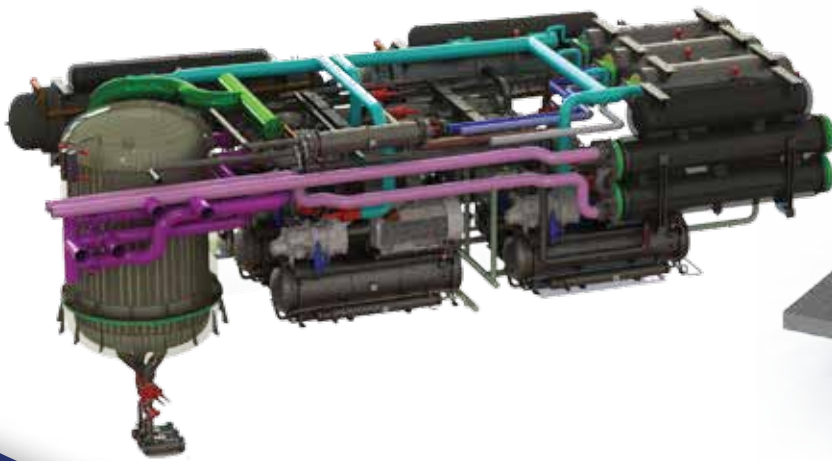
Onboard and land processing

• Purse seiners / Tuna • Refrigerated sea water • Glycol chilling • Chilled water process lines



Central Plant Based Technology

Marine Based Solution



Land Based Solution



Everflo specialises in various central plant solutions, prioritising simplicity for our clients. We offer expert guidance on optimal natural refrigerant options, such as pure ammonia or a CO2 combination like a Cascade system with ammonia as the primary stage.

Our emphasis is on delivering the most energy-efficient and practical solutions tailored to each operation's needs. Our portfolio encompasses experience with freezing and chilling solutions utilising Ammonia and CO2, incorporating a range of cutting-edge technologies.

- Plate freezing (vertical and horizontal, depending on market requirements)
- IQF (individual quick freezing) solutions from fish, burger patties and any value add product.
- Blast freezing in trays or cartons
- Brine freezing
- flake ice systems included
- Flow-Ice for processing
- Water chilling
- Holding for negative and positive temperatures

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