

**Recom**

**ICE SYSTEMS**

# Catalog

Tube, Slurry, Plate & Block  
Ice Machines

# Preface

Recom Ice Systems is a manufacturer, supplier and provider of high quality industrial ice equipment to a wide variety of industries throughout the world. As a European organization we are able to provide equipment that is designed and tested to European standards. Recom's offering is unique in that we are able to provide turn-key solutions for ice production, ice storage, ice delivery, ice weighing, ice dosing and ordering. This means we can be your partner for complete ice plants, providing you with not only the ice machine, but also other logistical ice solutions.

Recom's product range consists of machines with a production capacity ranging from half a metric ton up to sixty metric tons per day. This wide range is one of the reasons we have a long history of serving both small and large client organizations with their ice requirements.

We look forward to doing business with you.

Stef Bouhuijs  
*CEO Recom Ice Systems*





## Tube, Slurry, Plate & Block ice

Tube ice has a hollow tube shape and is transparent, hard and powderless. Due to its surface areas both on the inside and outside of the cylinder, tube ice has large heat transfer potential. Its enormous refrigeration capacity and safe consuming hygiene make tube ice very popular for consumption.

Slurry ice is made out of sea- or salt water and contains of millions of ice 'micro-crystals'. The small ice particle size results in a greater heat transfer area than any other type of ice and as a result faster cooling. This makes Slurry ice very suitable for applications, such as cooling and storage of fish and shellfish.

Plate ice can be adjusted in an ice ranging thickness between 5mm and 15mm, without fixed shape. Plate ice doesn't easily melt and can be stored for a long period of time. Plate ice is used in seafood industry, poultry, bakery and meat processing, consumption, chemical industry, etc.

Block ice are large blocks of ice of 12.5kg, 20kg, 25kg, 50kg, 100kg or 125kg. The great advantage of block ice is its slow melting rate. Block ice is used on fishing boats, in fish processing, for temperature reduction and ice sculpting.

# Tube ice machines

## Recom TU-series

Recom Tube ice machines are made for industrial application and have been designed to produce fresh, clean tube ice in a trouble free manner. During the harvest cycle salts and impurities are filtered, to make sure the resulting ice is hard, powderless hollow tube ice that is transparent, sanitary and environmentally friendly.

- Ice temperature  $-2^{\circ}\text{C}$
- Produces ice in tube shape with outer dimensions of 22, 29, 35 & 41 mm
- Water or air-cooled evaporator
- Parts contacting the water are made of stainless steel SUS304 or SUS316
- Pretested
- Refrigerant: R449/R448/R507/R452a/NH3





| Model | Production capacity | Refrigerating capacity | Water consumption | Power consumption | Approx. ship weight | Approx. dimensions (L x W x H) |
|-------|---------------------|------------------------|-------------------|-------------------|---------------------|--------------------------------|
| TU10  | 1T/24h              | 7 kW                   | 46 l/h            | 4 kW              | 1200 kg             | 1200 x 735 x 825 mm            |
| TU30  | 3T/24h              | 19.7 kW                | 137.5 l/h         | 9 kW              | 2000 kg             | 1600 x 1520 x 2445 mm          |
| TU50  | 5T/24h              | 29.2 kW                | 229.2 l/h         | 16 kW             | 3000 kg             | 1600 x 1520 x 2445 mm          |
| TU100 | 10T/24h             | 64.2 kW                | 458.3 l/h         | 32 kW             | 4500 kg             | 2260 x 1550 x 3155 mm          |
| TU150 | 15T/24h             | 93.1 kW                | 687.5 l/h         | 45 kW             | 6500 kg             | 2335 x 2015 x 4080 mm          |
| TU200 | 20T/24h             | 132.3 kW               | 916.6 l/h         | 64 kW             | 7000 kg             | 2620 x 2450 x 4290 mm          |
| TU250 | 25T/24h             | 158.3 kW               | 1150 l/h          | 80 kW             | 8000 kg             | Upon request                   |
| TU300 | 30T/24h             | 189.9 kW               | 1375 l/h          | 96 kW             | 9000 kg             | Upon request                   |
| TU400 | 40T/24h             | 240 kW                 | 1840 l/h          | 125 kW            | 10000 kg            | Upon request                   |
| TU500 | 50T/24h             | 300 kW                 | 2300 l/h          | 150 kW            | 12000 kg            | Upon request                   |

# Slurry ice machines

## Recom SL-series

Recom Slurry ice machines produce a flowable mixture of ice crystal and salt/sea water. The resulting salt-water mixture contains about 40% ice and has a temperature of about  $-2^{\circ}\text{C}$ .

- Ice temperature  $-2^{\circ}\text{C}$
- Ice density of 40%
- Efficient heat exchange and minimal salinity
- Seawater can be used directly for ice making
- High refrigeration efficiency with low power input
- Compact unit and pumpable ice
- SL-series evaporators are made of stainless steel SUS304L or 316L
- Optional stainless steel pump
- Pretested
- Refrigerant: R449/R448/R507/R452a





| Model | Production capacity | Refrigerating capacity | Evaporating temperature | Power consumption | Approx. ship weight | Approx. dimensions (L x W x H) |
|-------|---------------------|------------------------|-------------------------|-------------------|---------------------|--------------------------------|
| SL50  | 5T/24h              | 7.5 kW                 | - 20 °C                 | 5 kW              | 800 kg              | 1420 x 1150 x 1300 mm          |
| SL100 | 10T/24h             | 15 kW                  | - 20 °C                 | 10 kW             | 1300 kg             | 1900 x 1700 x 1165 mm          |
| SI150 | 15T/24h             | 22.5 kW                | - 20 °C                 | 15 kW             | 1700 kg             | 2200 x 1795 x 1800 mm          |
| SL200 | 20T/24h             | 30 kW                  | - 20 °C                 | 20 kW             | 2200 kg             | 3000 x 1816 x 2096 mm          |
| SL250 | 25T/24h             | 45 kW                  | - 20 °C                 | 25 kW             | 3300 kg             | Upon request                   |
| SL300 | 30T/24h             | 52.5 kW                | - 20 °C                 | 30 kW             | 4200 kg             | Upon request                   |

# Plate ice machines

## Recom PL-series

Recom plate ice machines carry a temperature of about  $-2^{\circ}\text{C}$  and has the characteristic to provide an even and constant cooling effect. Due to its characteristics the ice doesn't easily melt and can thus be stored for a longer period of time.

- Ice temperature  $-2^{\circ}\text{C}$
- 30% longer storage time compared to flake ice
- Water inlet at  $10^{\circ}\text{C}$
- All parts in direct contact with water are stainless steel SUS304 or SUS316
- Pretested
- Refrigerant: R449/R448/R507/R452a/NH3







| Model | Production Capacity | Refrigerating Capacity | Water Consumption | Power consumption | Approx. ship weight | Approx. dimensions (L x W x H) |
|-------|---------------------|------------------------|-------------------|-------------------|---------------------|--------------------------------|
| PL10  | 1T/24h              | 2.52 kW                | 46 l/h            | 5 kW              | 1000 kg             | 1530 x 1160 x 1700 mm          |
| PL30  | 3T/24h              | 16.6 kW                | 138 l/h           | 12 kW             | 1600 kg             | 1987 x 1440 x 1990 mm          |
| PL50  | 5T/24h              | 30 kW                  | 230 l/h           | 25 kW             | 2000 kg             | 2450 x 1890 x 2185 mm          |
| PL100 | 10T/24h             | 60 kW                  | 460 l/h           | 40 kW             | 2500 kg             | 3900 x 2100 x 2435 mm          |
| PL150 | 15T/24h             | 90 kW                  | 460 l/h           | 50 kW             | 3300 kg             | Upon request                   |
| PL200 | 20T/24h             | 120 kW                 | 690 l/h           | 60 kW             | 4500 kg             | Upon request                   |
| PL250 | 25T/24h             | 150 kW                 | 920 l/h           | 80 kW             | 5150 kg             | Upon request                   |
| PL300 | 30T/24h             | 180 kW                 | 1380 l/h          | 120 kW            | 7850 kg             | Upon request                   |
| PL400 | 40T/24h             | 240 kW                 | 1840 l/h          | 160 kW            | 8830 kg             | Upon request                   |
| PL500 | 50T/24h             | 300 kW                 | 2300 l/h          | 200 kW            | 20500 kg            | Upon request                   |

# Block ice machines

## Recom BL-series

The containerized Recom Block ice machine produces ice by immersing cans filled with fresh water in a brine tank. The temperature of the circulating brine is  $-10^{\circ}\text{C}$ , which causes the water to freeze into solid blocks. The machine is designed to produce clean and fresh block ice in a trouble free manner. The internal movable unload crane can easily lift the cans out of the brine tank in order to unload them.

- Ice temperature of  $-2^{\circ}\text{C}$
- Ice blocks of 12.5, 20, 25, 50, 100 or 125 kg
- 2,5 - 10 hours per batch
- Easy handling and transport of the ice blocks
- Refrigerant: R449/R448/R507/R452a/NH3





| Model | Production capacity | Refrigerating capacity | Container size | Power consumption | Approx. ship weight | Approx. dimensions (L x W x H) |
|-------|---------------------|------------------------|----------------|-------------------|---------------------|--------------------------------|
| BL25  | 2.5T/24h            | 17.5 W                 | 20             | 10 kW             | 4000 kg             | 6058 x 2438 x 2896 mm          |
| BL50  | 5T/24h              | 35.5 kW                | 40             | 25 kW             | 6500 kg             | 12192 x 2438 x 2896 mm         |
| BL75  | 7.5T/24h            | 52.5 kW                | 40             | 40 kW             | 8500 kg             | 12192 x 2438 x 2896 mm         |
| BL100 | 10T/24h             | 70 kW                  | 40             | 50 kW             | 12000 kg            | 12192 x 2438 x 2896 mm         |

# Product overview

## TU-series

- TU10 (1 T/day)
- TU30 (3 T/day)
- TU50 (5 T/day)
- TU100 (10 T/day)
- TU150 (15 T/day)
- TU200 (20 T/day)
- TU250 (25 T/day)
- TU300 (30 T/day)
- TU400 (40 T/day)
- TU500 (50 T/day)

## SL-series

- SL50 (5 T/day)
- SL100 (10 T/day)
- SL150 (15 T/day)
- SL200 (20 T/day)
- SL250 (25 T/day)
- SL350 (35 T/day)

## PL-series

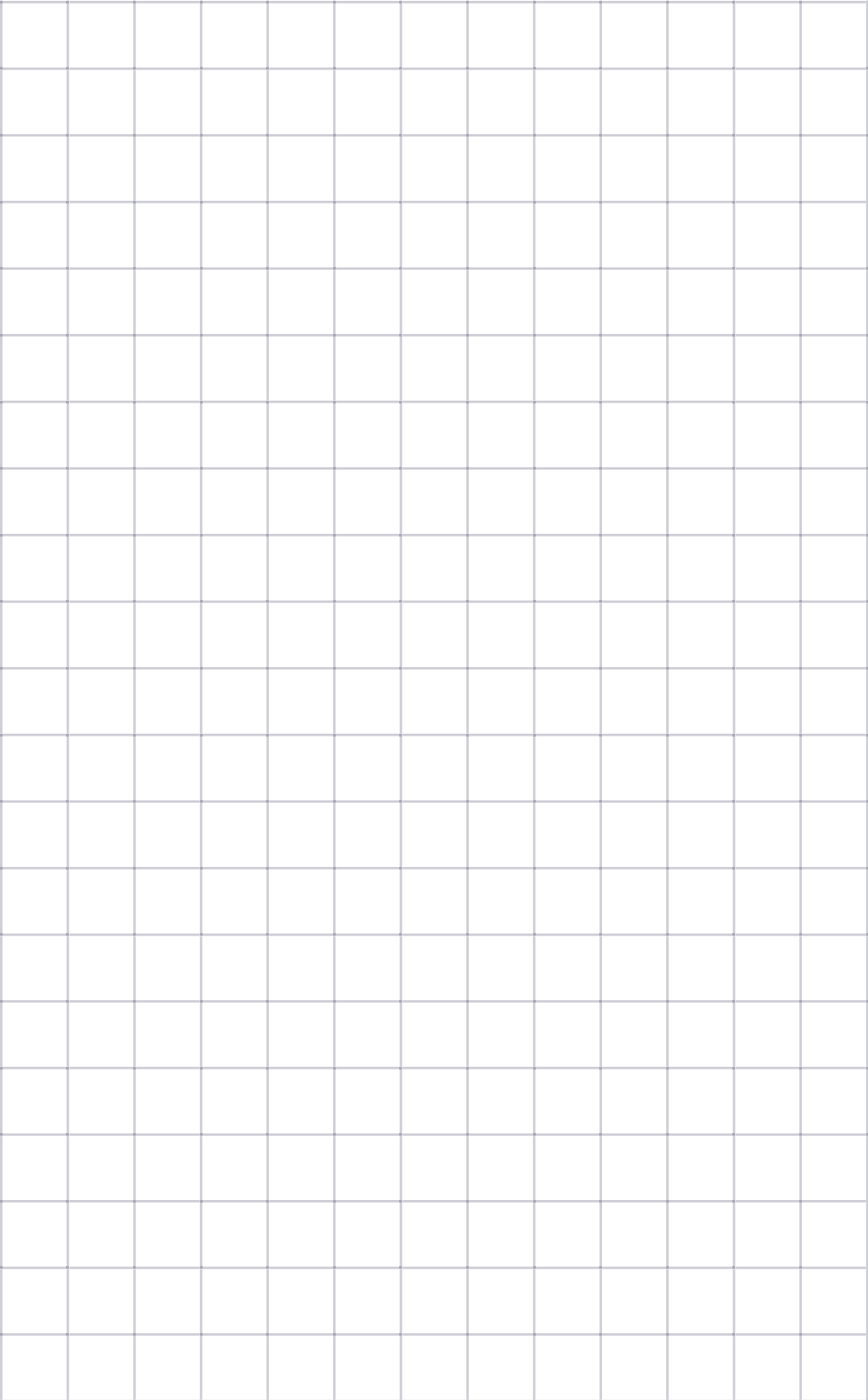
- PL10 (1 T/day)
- PL30 (3 T/day)
- PL50 (5 T/day)
- PL100 (10 T/day)
- PL150 (15 T/day)
- PL200 (20 T/day)
- PL250 (25 T/day)
- PL300 (30 T/day)
- PL400 (40 T/day)
- PL500 (50 T/day)

## BL-series

- BL10 (1 T/day)
- BL25 (2.5 T/day)
- BL75 (7.5 T/day)
- BL100 (10 T/day)



# Drawing space







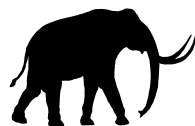
## More information

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