Fluid Ice System
Patent Solutions

- Most flexible fluid ice system available
- 3 mixtures of fluid ice possible simultaneously
- Fresh water fluid ice possible with zero salt content
- Temperature range 0°C to -15°C, controlled by salinity
- Thickness of fluid ice adjustable up to 50%
- Optimal for storage without product freezing
- Flake ice and fluid ice can be delivered simultaneously
**For external ice machine**

**Skaginn 3X FIS 100**
FIS 100 is connected to external ice machine

- **Capacity (volume of slurry ice)**: 100 Ton/24 hours
- **External ice usage up to**: 30 Ton/24 hours
- **Cooling capacity**: 94.375 kcal/h, 110 kW/h
- **Power consumption**: 11 kW
- **Power supply**: 3x380/460 volt, 50-60 Hz
- **Dimension (L x W x H)**: 2,1 x 1,6 x 2,2 mm
- **Fresh water mix possible**: Yes, up to 20% thickness
- **Fluid ice temperature range**: 0 to -15°C
- **Fluid ice thickness range**: 10 to 50%

*Capacities are according to +3°C water inlet and 30% ice thickness

**Skaginn 3X FIS 102**
FIS 102 is connected to external ice machine

- **Capacity (volume of slurry ice)**: 200 Ton/24 hours
- **External ice usage up to**: 60 Ton/24 hours
- **Cooling capacity**: 188.750 kcal/h, 220 kW/h
- **Power consumption**: 22 kW
- **Power supply**: 3x380/460 volt, 50-60 Hz
- **Dimension (L x W x H)**: 3 x 1,6 x 2,2 mm
- **Fresh water mix possible**: Yes, up to 20% thickness
- **Fluid ice temperature range**: 0 to -15°C
- **Fluid ice thickness range**: 10 to 50%

*Capacities are according to +3°C water inlet and 30% ice thickness

**Includes ice machine**

**Skaginn 3X FIS 110**
FIS 110 can be delivered without refrigeration system

- **Capacity (volume of slurry ice)**: 30 Ton/24 hours
- **Cooling capacity**: 31.875 kcal/h, 37 kW/h
- **Power consumption**: 30 kW
- **Power supply**: 3x380/460 volt, 50-60 Hz
- **Dimension (L x W x H)**: 2 x 2 x 1,6 mm
- **Fresh water mix possible**: Yes, up to 20% thickness
- **Fluid ice temperature range**: 0 to -15°C
- **Fluid ice thickness range**: 10 to 50%

*Capacities are according to +3°C water inlet and 30% ice thickness
**With refrigeration system

**Skaginn 3X FIS 120**
FIS 120 can be delivered without refrigeration system

- **Capacity (volume of slurry ice)**: 60 Ton/24 hours
- **Cooling Capacity**: 63.750 kcal/h, 74 kW/h
- **Power consumption**: 50 kW
- **Power supply**: 3x380/460 volt, 50-60 Hz
- **Dimension (L x W x H)**: 2 x 2 x 2,1 mm
- **Fresh water mix possible**: Yes, up to 20% thickness
- **Fluid ice temperature range**: 0 to -15°C
- **Fluid ice thickness range**: 10 to 50%

*Capacities are according to +3°C water inlet and 30% ice thickness
**With refrigeration system

**Skaginn 3X FIS 130**
FIS 130 can be delivered without refrigeration system

- **Capacity (volume of slurry ice)**: 90 Ton/24 hours
- **Cooling capacity**: 95.747 kcal/h, 99 kW/h
- **Power consumption**: 70 kW
- **Power supply**: 3x380/460 volt, 50-60 Hz
- **Dimension (L x W x H)**: 2 x 2 x 2,6 mm
- **Fresh water mix possible**: Yes, up to 20% thickness
- **Fluid ice temperature range**: 0 to -15°C
- **Fluid ice thickness range**: 10 to 50%

*Capacities are according to +3°C water inlet and 30% ice thickness
**With refrigeration system

**ENERGY CHART COOLING WHITEFISH**

**FIS 110**
- 10,000 kcal
- 20,000 kcal
- 30,000 kcal
- 40,000 kcal
- 50,000 kcal
- 60,000 kcal
- 70,000 kcal
- 80,000 kcal
- 90,000 kcal
- 100,000 kcal
- 110,000 kcal
- 120,000 kcal
- 130,000 kcal

**FIS 120**
- 20,000 kcal/h
- 40,000 kcal/h
- 60,000 kcal/h
- 80,000 kcal/h
- 100,000 kcal/h

**FIS 100**
- 2000 kg/hour
- 4000 kg/hour
- 6000 kg/hour
- 8000 kg/hour
- 10000 kg/hour

**FIS 102**
- 2000 kg/hour
- 4000 kg/hour
- 6000 kg/hour
- 8000 kg/hour
- 10000 kg/hour
Auxiliary equipment

- Storage tanks for different ice thickness
- Brine system to control the temperature
- Automatic and manual delivery station
- Automatic dosing system
- Temperature controlled dosing system
- Connectable to glazing system
- Connectable to RSW system
- Connectable to STPP system