

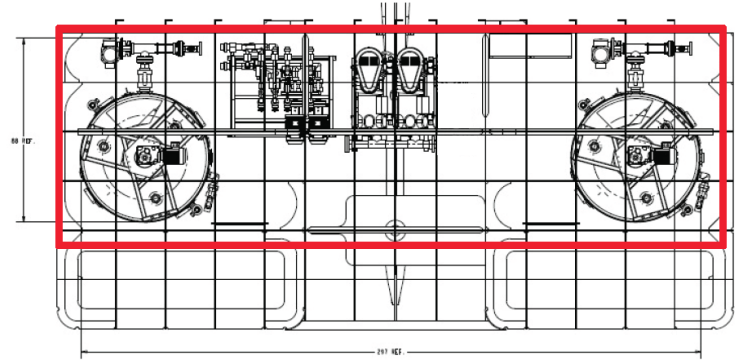
DeepChill Onboard System

Cool Large Catches Onboard Instantly



FUNCTIONS & BENEFITS

- Produces, stores & delivers DeepChill for cooling/preserving fish
- Produces DeepChill from seawater
- Achieves crystal concentration of up to 60%
- Deliver DeepChill from Mixing Storage Units to point of use
- System monitoring from control room
- Remote monitoring on system operation via Internet



CONFIGURATION

DeepChill Generating Unit

- Model IG-12VM or IG-24VM pre-charged with R404A
- Each IG equipped with seawater-duty condensers

DeepChill Mixing Storage Unit

- Configured with 1-2 Mixing Storage Units
- Each Mixing Storage Unit holds 2,500 L
- Each with stainless steel progressive cavity screw pump

Pumping & Control

- Stainless steel centrifugal pumps
- HMI Touch Screen with wireless control function
- Remote display located in control room

SPECIFICATIONS

Power Supply	460V / 3Ph / 60Hz		400V / 3Ph / 50Hz	
DeepChill Generator	IG-12VM	IG-24VM	IG-12VM	IG-24VM
Mixing Tank (x1)	75 A	129 A	88 A	153 A
Mixing Tank (x2)	90 A	144 A	103 A	169 A

Main Components	Weight (Dry)	Weight (Wet)	Dimensions
IG-12VM	750 kg	800 kg	L 1,050 x W 1,270 x H 1,800 mm
IG-24VM	1,500 kg	1,600 kg	L 2,100 x W 1,270 x H 1,800 mm
1 Mixing Unit with Delivery	700 kg	3,300 kg	Tank: OD x H 1,680 x 1,900 mm

PERFORMANCE

System Configured with IG-12VM

	DeepChill Production (kg/hr)			Hours to Fill One Mixing Tank		
Feed Seawater Temperature	10°C	20°C	30°C	10°C	20°C	30°C
DeepChill Concentration DC25	970	620	400	2	3.2	4.9
DeepChill Concentration DC40	690	480	320	2.9	4.2	6.1
DeepChill Delivery	Discharge rate from Screw Pump: 4.5 m ³ /hr at 4 bar					

System Configured with IG-24VM

	DeepChill Production (kg/hr)			Hours to Fill One Mixing Tank		
Feed Seawater Temperature	10°C	20°C	30°C	10°C	20°C	30°C
DeepChill Concentration DC25	1,950	1,250	810	1.1	1.6	2.5
DeepChill Concentration DC40	1,540	1,044	700	1.3	2	2.9
DeepChill Delivery	Discharge rate from Screw Pump: 4.5 m ³ /hr at 4 bar					



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