

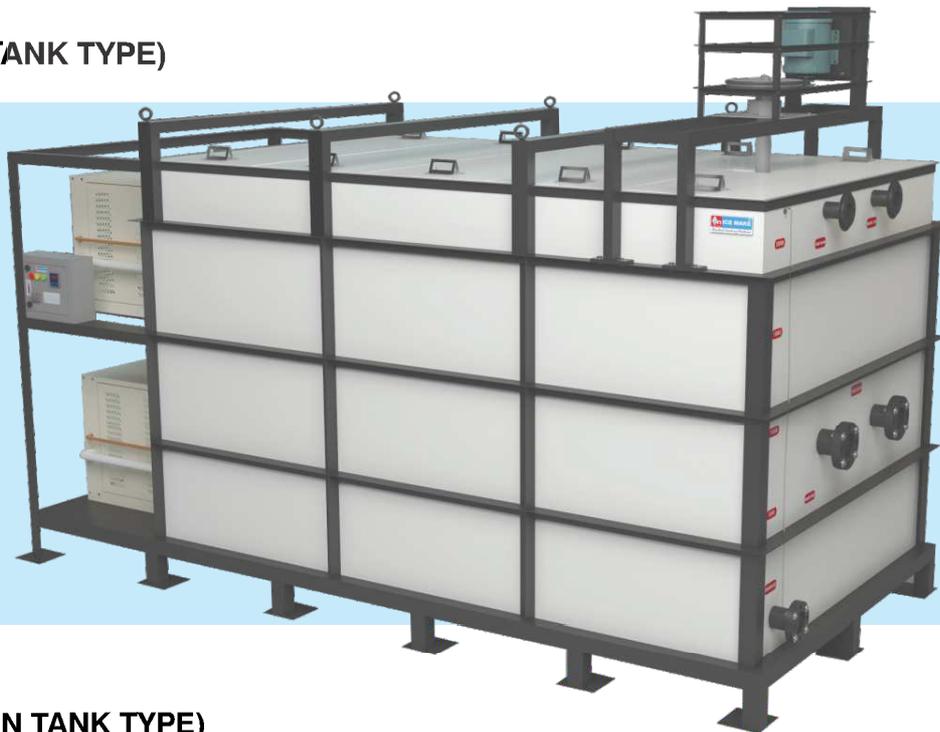
# ICE BUILDING TANK (IBT)



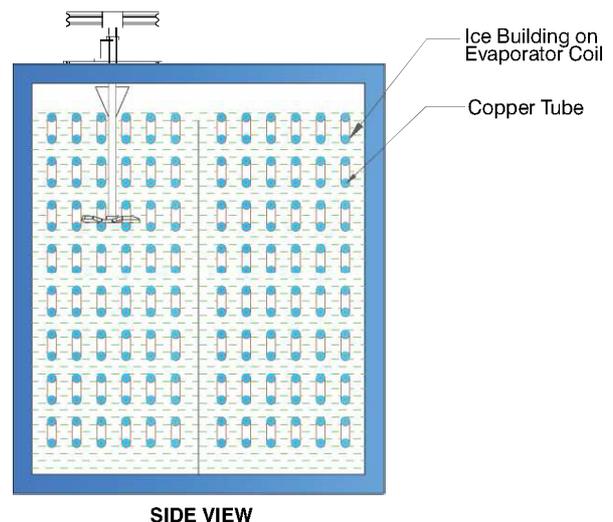
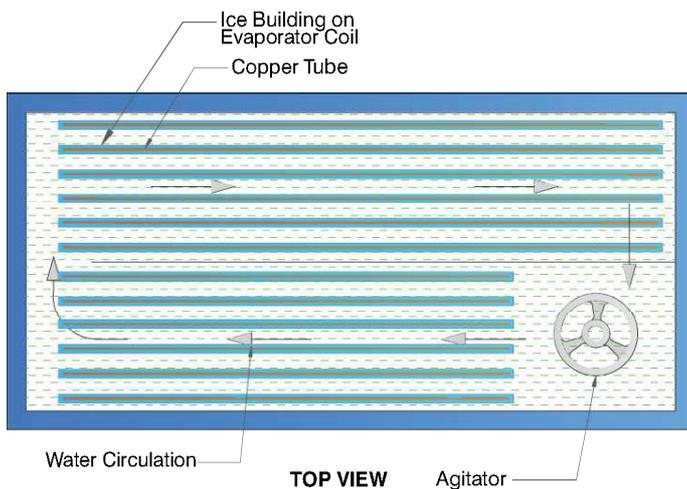
IBT is a system, which stores energy in the form of ICE.  
It is applicable in Dairy Industry for quick process in short time with certain limit of power load.

**NO NEED OF CIVIL & FABRICATION WORK AT CUSTOMER SITE**  
**EASY TO LIFT & SHIFT | 40% ENERGY EFFICIENT | BETTER INSULATION**

(IBT - COIL IN TANK TYPE)



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## Advantage:

- Requires Less connected power load
- The ice water intensively cools the product without any risk
- Power supply is not required once Ice Formation is Completed
- No requirement of Cooling Tower and Water Supply (For Air Cooled type)
- Wide capacity with Storage tank upto 1,00,000 Ltr. / 33,000 KG ice formation per day
- Cooling energy storage capacity upto 900 TR/Day

## Material of Construction:

### Outer:

**A** : Pre Coated GI sheet with PVC film thickness 0.5mm

**B** : S.S. sheet, grade 304, thickness 0.5mm.

### Inner:

**A** : M.S. Sheet Thickness 2.4 to 6 mm with epoxy paints.

**B** : S.S. sheet, grade 304, Thickness 0.8 to 1.6mm.

### Buckets:

M.S. angle & channel 65x5 mm to 100x8 mm with Paint.

### PUF Insulation:

The tank has 80mm insulation, which help to stop energy loss & consumes lesser power.

## Protection & Control accessories:

Large graphic LCD screen

Finger-touch menu with simple controls

Continuous, accurate display of each action

SR NO.	MODEL	TANK CAPACITY	REFRIGERATION	UNIT CAPACITY (TR)	STIRRER SYSTEM	ICE PRODUCE	COOLING STORAGE	BODY SIZE	CONNECTED
		Ltr.	UNIT CAPACITY TR (TON REFRIGERATION)	NO. OF UNITS		TYPE	CAPACITY IN KG. (AFTER 20 Hr. Working)		
		Ltr.	TOTAL	TR	TYPE	KG	TR	TOTAL (LxWxH)	kW
1	IBT-501.5	500	1.5	1.5 X 1	Pump	412.5	12	45 x 35 x 39	2.4
2	IBT-1002	1000	2	2 X 1	Pump	550	17	65 x 35 x 39	2.78
3	IBT-1003	1000	3	3 X 1	Agitator	825	24	65 x 35 x 39	3.8
4	IBT-2003	2000	3	3 X 1	Agitator	825	26	93 x 45 x 39	3.8
5	IBT-3003	3000	3	3 X 1	Agitator	825	28	83 x 59 x 69	3.8
6	IBT-2004	2000	4	2 X 2	Agitator	1100	34	93 x 45 x 39	5.8
7	IBT-3004	3000	4	2 X 2	Agitator	1100	35	83 x 59 x 69	5.8
8	IBT-3005	3000	5	5 X 1	Agitator	1375	43	83 x 59 x 69	6.2
9	IBT-4005	4000	5	5 X 1	Agitator	1375	44	91 x 71 x 69	6.2
10	IBT-4006	4000	6	3 X 2	Agitator	1650	52	91 x 71 x 69	7.8
11	IBT-6006	6000	6	3 X 2	Agitator	1650	55	130 x 71 x 69	7.8
12	IBT-6010	6000	10	5 X 2	Agitator	2750	85	130 x 71 x 69	12.2
13	IBT-8010	8000	10	5 X 2	Agitator	2750	89	170 x 71 x 69	12.2
14	IBT-10010	10000	10	5 X 2	Agitator	2750	92	205 x 71 x 70	12.2
15	IBT-10015	10000	15	5 X 3	Agitator	4125	130	205 x 71 x 70	18.6
16	IBT-12015	12000	15	5 X 3	Agitator	4125	133	248 x 71 x 70	18.6
17	IBT-15020	15000	20	5 X 4	Agitator	5500	176	264 x 81 x 70	24.8
18	IBT-18020	18000	20	5 X 4	Agitator	5500	181	264 x 79 x 83	24.8
19	IBT-20026	20000	26	12.8 X 2	Agitator	7150	229	264 x 84 x 86	27.2
20	IBT-25038	25000	38	12.8 X 3	Agitator	10450	328	264 x 86 x 103	41
21	IBT-28038	28000	38	12.8 X 4	Agitator	10450	333	264 x 95 x 103	41