

Package

Falling Film Water Chillers



## Do You Know What's Inside of It? It's "Waterfalls".



Water Tank



Falling Film Packaged Unit



Falling Film Plate Sheet



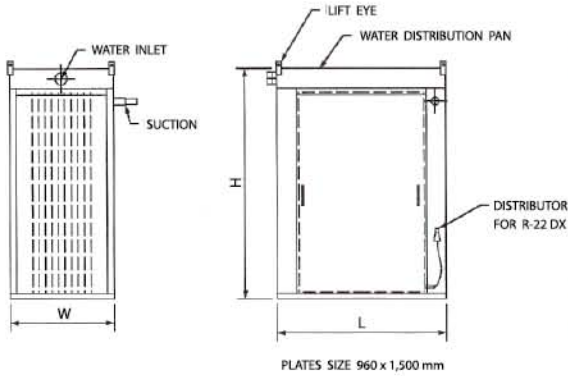
Stainless Steel AISI-304 Plate

When we look at it closely, an intriguing picture will emerge. We call this fantastic model "Package Falling Film Water Chillers by ITC". This innovation is specialized technology which the top internal structure is built up of a film plate stainless steel. Along with the refrigerant usage, The "Waterfall" vertically flows down through the plate, and the cold water then resides in the water tank. Consequently, at the bottom part, a stainless steel water tank filled with pre-cooled water will now be ready for delivering to the pipeline connection. Moreover, its performance obviously confirms 32 °C water inlet and 1 °C cold water outlet. This machine is extensively used for food processing such as cleaning and washing products. Hence, we would like to offer you this phenomenal high quality water chiller that you will never regret.



# Package

## Falling Film Water Chillers



**EXAMPLE**

waterflow = 30 m<sup>3</sup>/hr => 1 x 3-1/8" WATER INLETS  
 Capacity = 130 kW R-22 DX => Suction 1 x 80 mm copper  
 Liquid = Distribution

SUCTION	MAXIMUM DUTY
-	NH <sub>3</sub>
1-1/4"	42.3
1-1/2"	48.3
2"	60.3
2-1/2"	76.1
3"	88.9
4"	114.3

SUCTION	MAXIMUM DUTY
CU. PIPE	R-22
1-1/8"	28 mm
1-3/8"	35 mm
1-5/8"	42 mm
2-1/8"	54 mm
2-5/8"	66 mm
3-1/8"	80 mm

CONNECTIONS DEPEND ON WATER FLOW AND DUTY

WATER INLET	MAXIMUM DUTY
BSP MALE	WATER FLOW m <sup>3</sup> /hr
1x1-1/2"	1x48.3
1x2"	1x60.3
1x2-1/2"	1x76.1
1x3"	1x88.9

LIQUID	MAXIMUM DUTY
-	NH <sub>3</sub> R-22
1"	33.4
1-1/4"	42.3
1-1/2"	48.3
2"	60.3
2-1/2"	76.1
3"	88.9

### Falling Film Water Chiller

Model	Total Flow (m <sup>3</sup> /hr)	Required Cooling Capacity (kW) at -3 °C Evap. Temp.	Basic Unit Dimension (mm)			Operating Wt. kg
			Length	Width	Height	
FFP-4A	5	185	1,500	800	2,300	290
FFP-6A	10	370	1,500	900	2,300	330
FFP-8A	12	444	1,500	900	2,300	440
FFP-10A	15	555	1,500	1,100	2,300	550
FFP-13A	20	740	1,500	1,300	2,400	580
FFP-17A	25	925	1,500	1,500	2,400	640
FFP-20A	30	1,110	1,500	1,500	2,500	730

**Note :**

- 1) Based on 32 °C inlet water temperature.
- 2) Based on 1 °C outlet water temperature.

### Optional Water Tank

SIZE	Tank Volume (m <sup>3</sup> )	Storage Tank Capacity (Litres)	Tank Dimension (mm)			Operating Wt. (kg)
			Length	Width	Height	
A	1.0	700	1,700	1,000	700	1,300
B	1.5	1,000	1,700	1,100	900	1,950
C	2.5	1,500	1,700	1,500	1,000	3,250
D	3.0	2,000	1,700	1,700	1,200	3,900

- Note : 1.) Other capacity and dimension are available. Please contact manufacturer.  
 2.) Specifications subject to change without notice.

