



Static Air Dryer

Ice Cube



Technical Specifications

Model	Capacity (m³/h)	Connection Size	Voltage	Absorbed Power (kw)	Max. Amp.	Fuse Amp.	Refrigerant gas	Pressure drop (mbar)	Max. working pressure (bars)	Max. ambient temp. (°C)	Max. inlet temp. (°C)
IC50	50	1/2"	230/1/50	0.28	2.98	4	R134a	140	16	43	50
IC70	70	1/2"	230/1/50	0.31	2.08	4	R134a	170	16	43	50
IC100	100	3/4"	230/1/50	0.43	4.8	8	R134a	200	16	43	50
IC130	130	3/4"	230/1/50	0.56	4.8	8	R134a	180	16	43	50

Correction Factor (*)									
Inlet Temp. (°C)	30	35	40	45	50	-	-	-	
F1	1.29	1.00	0.92	0.78	0.65	-	-	-	
Ambient Temp. (°C)	20	25	30	35	40	43	-	-	
F2	1.05	1	0.98	0.93	0.84	0.81	-	-	
Pressure (Barg)	4	6	7	8	10	12	14	16	
F3	0.80	0.94	1.00	1.04	1.11	1.16	1.22	1.25	

(*) For max. flow rate, multiply model flow rate shown in the table by the correction factor corresponding to the working pressure.

Model	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
IC50	396	366	520	21
IC70	396	366	520	23
IC100	396	366	520	25
IC130	396	366	758.5	34

Static Dryers

ICE CUBE dryers have static condensers without a cooling fan. Therefore they are energy efficient with low noise level and compact design. Ice Cube dryers also have long service life and low maintenance needs.

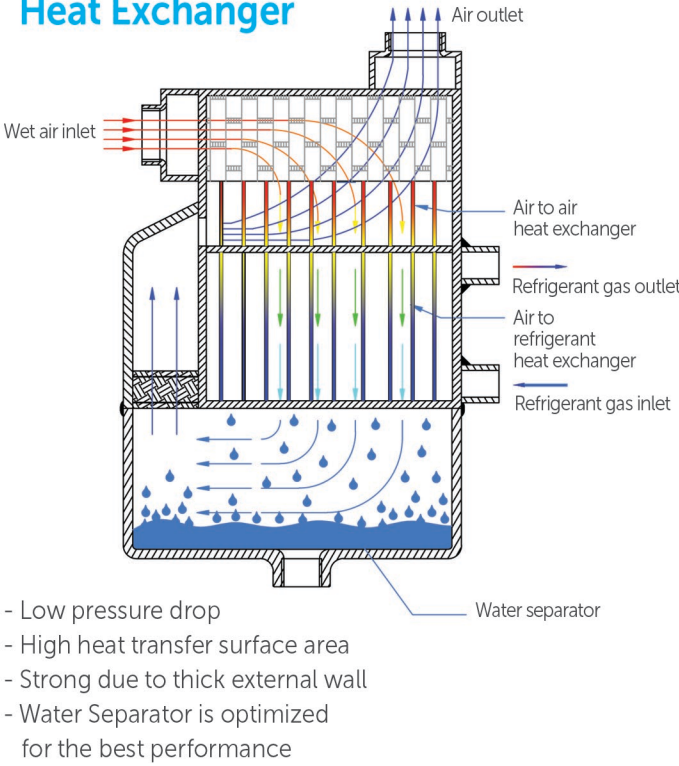
Advantages

- Superior Energy Saving due to static condenser,
- Efficient refrigerant compressor
- Low pressure drop
- +7°C dew point
- No condenser blockage due to wide condenser design
- Standard Expansion valve.
- 3 in 1 heat exchanger design (air/air – air/refrigerant – water separator in 1 block)
- Easy to service Auto-drain
- No loss of compressed air (Zero Loss),
- Less refrigerant gas used than equivalents, enviromentally friendly

Applications

Ideal for hospitals and laboratories with compact design and low noise needs. **ICE CUBE** dryers are also suitable for other applications which need dry air with a low price.

Aluminum Plate Heat Exchanger



- Low pressure drop
- High heat transfer surface area
- Strong due to thick external wall
- Water Separator is optimized for the best performance



ASO Org. San. Bol. Buyuk Selcuklu Blv. No:4 06935 Sincan / Ankara - TURKEY
P: +90 312 267 07 00 F: +90 312 267 0552 e-mail: mikropor@mikropor.com.tr



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