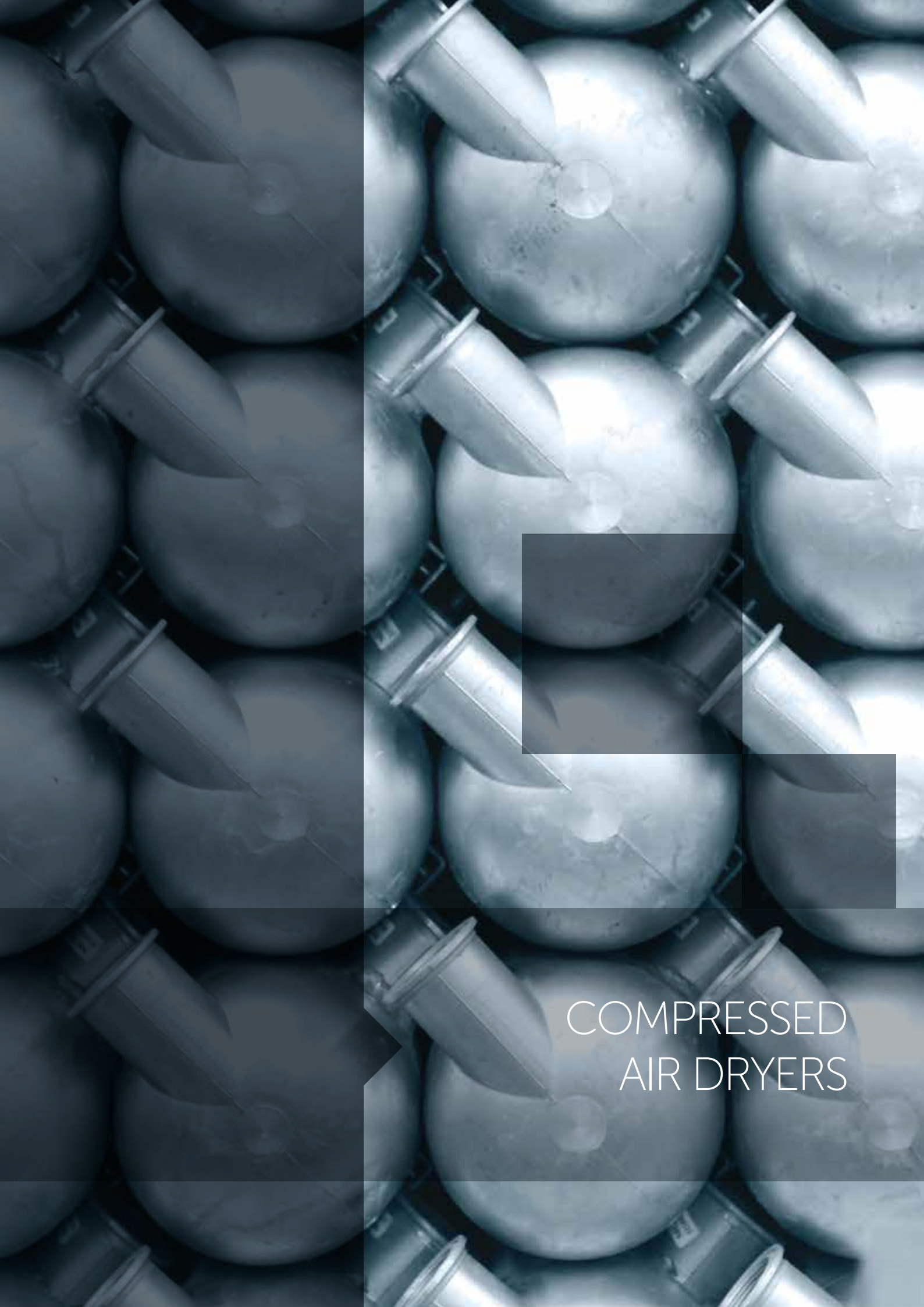
Mikropor began its journey in 1987 with a passion to create "tomorrow's technology" and has become one of the leading manufacturers of atmospheric air filtration solutions and compressed air treatment systems for a variety of industries.

By closely following the latest developments in technology, Mikropor's "Best in Class" products and solutions are appreciated by customers in more than 140 countries.

The company's sustainable growth has been provided by its passion for innovation and commitment to quality, as well as its dedication to technology. Mikropor is an environmentally conscious company that values people, while developing products that extend the needs and expectations of customers.

With this mission, Mikropor continues to become one of the most recognized brands in the world by expanding its global penetration in the field of technological filtration and contributes to a healthier planet.



COMPRESSED AIR DRYERS

ICE SERIES ICE CUBE / STATIC

Static Air 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 with 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 one block)
- Easy to service auto-drain
- High pressure switch
- No loss of compressed air (Zero Loss)
- Less refrigerant gas used than equivalents, environmentally 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.

Model	Capacity (m^3/h)	Voltage	Connetction Size	Absorbed Power (kW)	Max. Amp. (A)	Fuse Amp. (A)	Pressure Drop (mbar)	Dimensions (mm)			Weight
								Width	Length	Height	
IC-50	50	230V / 1 Ph / 50 Hz	1/2"	0,28	2,98	4	140	366	366	521	21
IC-70	70	230V / 1 Ph / 50 Hz	1/2"	0,31	2,08	4	170	366	366	521	23
IC-100	100	230V / 1 Ph / 50 Hz	1/2"	0,43	4,8	8	200	366	366	521	25
IC-130	130	230V / 1 Ph / 50 Hz	3/4"	0,56	4,8	8	180	366	366	758	34

Correction Factor for IC Series

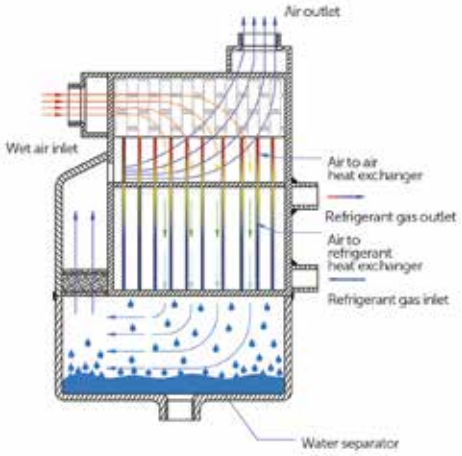
Required Flow / F1 / F2 / F3 = Corrected Flow

Inlet Temperature (°C)	F1	Ambient Temperature (°C)	F2	Pressure (bar)	F3
30	1,29	20	1,05	4	0,80
35	1	25	1	6	0,94
40	0,92	30	0,98	7	1
45	0,78	35	0,93	8	1,04
50	0,65	40	0,84	10	1,11
60	0,45	45	0,76	12	1,16
-	-	50	0,7	14	1,22
-	-	-	-	16	1,25

Nominal Working Pressure	7 barg	Minimum Inlet Temperature	5°C
Maximum Working Pressure	16 barg	Nominal Ambient Temperature	25°C
Minimum Working Pressure	4 barg	Maximum Ambient Temperature	50°C
Nominal Inlet Temperature	35°C	Minimum Ambient Temperature	5°C
Maximum Inlet Temperature	60°C	Refrigerant	R134a

Aluminium Plate Heat Exchanger

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



Given flows are at 7 barg pressure with reference to 20°C and 1 bar atmospheric air suction as per ISO7183.