



# Heatless Regenerative Desiccant Dryers

## i.DC Series

Reliable. Intelligent. Efficient.

For compressor delivery volumes from 1.6 to 155.5 m<sup>3</sup>/min

# ECO CONTROL 3

Reliable. Intelligent. Efficient.

## Dependable drying

The centrepiece of the optimised i.DC series is the new ECO CONTROL 3 controller. Clearly structured menu guidance and a 7" touch display ensure optimal control over the entire drying process. For connection to a master controller or integration into the KAESER SIGMA NETWORK, a Modbus TCP (Ethernet) interface is also fitted.

## Efficiency thanks to Dew point control

Even the basic version of the i.DC series is equipped with the durable and maintenance-free, trend-spotting Dew point control, providing significant energy-saving potential – particularly in partial load operation. If desired, a high-quality pressure dew point sensor can also be integrated, thereby making the pressure dew point available for display and transmission, and also as a control variable, as an alternative to trend recognition. One practical advantage of this is that even if the sensor does not deliver a signal, for example due to calibration, load-dependent control remains possible.

## Intelligent controller

The ECO CONTROL 3 provides comprehensive, modern system monitoring, thanks to an extensive reporting system with event memory, detailed maintenance management, graphic display of the time curve for all temperatures and the pressure dew point (optional), as well as a P&I diagram with integrated real-time data.



# Technical specifications

Model	Flow rate <sup>1)</sup> m <sup>3</sup> /min	Pressure dew point °C	Gauge pressure <sup>1)</sup> bar	Ambient temperature °C	Compressed air inlet temperature °C	Dimensions W x D x H mm	Weight kg	Compressed air / regeneration air connection	Power supply
i.DC 16	1.60	-401 -70	5 – 16	+2 – +45	+2 – +50	750 x 750 x 1950	181	G ¾"	100-240 V ±10% / 1 Ph / 50 – 60 Hz
i.DC 23	2.30					750 x 750 x 1950	220	G ¾"	
i.DC 34	3.40					1150 x 750 x 1970	308	G 1½"	
i.DC 52	5.20					1150 x 750 x 1980	398	G 1½"	
i.DC 67	6.70					1150 x 750 x 1980	421	G 1½"	
i.DC 84	8.40					1150 x 750 x 1990	531	G 2"	
i.DC 115	11.5					1150 x 750 x 1990	650	G 2"	
i.DC 140	14.0					1150 x 750 x 2000	815	G 2"	
i.DC 175	17.5					1500 x 1320 x 1910	965	DN 80	
i.DC 225	22.5					1500 x 1420 x 1930	1275	DN 80	
i.DC 275	27.5					1500 x 1470 x 2090	1525	DN 80	
i.DC 330	33.00					1500 x 1520 x 2125	1710	DN 80	
i.DC 395	39.5					1500 x 1720 x 2146	2080	DN 100	
i.DC 450	45.0					1700 x 1770 x 2225	2305	DN 100	
i.DC 610	61.0	1950 x 1920 x 2258	2755	DN 150					
i.DC 870	87.0	2400 x 2140 x 2456	4105	DN 150					
i.DC 1190	119.0	2690 x 2335 x 2701	6200	DN 200					
i.DC 1555	155.5	2820 x 2504 x 2536	6800	DN 200					

<sup>1)</sup> Ac per ISO 7183, option A1