

SECOTEC Refrigeration Dryers

TF Series

With SECOPACK LS

Flow rates from 17.0 to 34.0 m³/min





SECOPACK LS: Minimal pressure loss

The new generation of SECOTEC refrigeration dryers from KAESER KOMPRESSOREN is equipped with the innovative SECOPACK LS heat exchanger system. The special latent heat storage medium has up to a 98% higher thermal storage density than equivalent conventional storage dryers that are currently available, which means that these new systems provide the same thermal storage capacity, but in a far more compact design. Ensuring stable pressure dew points and material-friendly operation, SECOTEC dryers also feature optimised air flow which results in minimal pressure loss of less than 0.15 bar and further enhances the system's exceptional efficiency.



Intuitive operation: SIGMA CONTROL SMART

SECOTEC refrigeration dryers are equipped with the SIGMA CONTROL SMART electronic controller. With its large colour display and language-neutral menu navigation, this advanced controller is exceptionally user-friendly. Highly effective analysis and monitoring capability is made possible thanks to the combination of the message memory, individual operating hours counters and maintenance timers for all key components, whilst floating contacts enable straightforward connectivity with master control systems.



Maximum reliability

The new SECOTEC refrigeration dryers use R 134a refrigerant which allows efficient and dependable compressed drying performance in ambient temperatures up to +45 °C, and even optionally as high as +50 °C. The combination of generously dimensioned condensate separators and ECO-DRAIN electronic condensate drains ensures reliable condensate separation in all load phases. For long-term durability, the condenser and SECOPACK LS system are made from aluminium and the compressed air pipework is fabricated from stainless steel. SECOTEC refrigeration dryers feature a high quality control cabinet with electrical equipment conforming to standard EN 60204-1.

Technical specifications

Model	Flow rate m ³ /min	Dryer pressure loss bar	Electrical power consumption at 50% vol. kW	Electrical power consumption at 100% vol. kW	Gauge pressure bar	Ambient temperature °C	Maximum compressed air inlet temperature °C	Weight kg	Dimensions W x D x H mm	Air connection DN	Condensate drain connection G	Electrical supply	R 134a refrigerant mass as CO ₂ equivalent t
TF 174	17.0	0.12	0.73	1.39	3 to 16	+3 to +45 (+50, opt.)	+60	340	835 x 1230 x 2000	65	¼	400 V / 3 Ph / 50 Hz	3.1
TF 230	23.0	0.15	1.04	1.94				360		80			2.9
TF 280	28.0	0.15	1.22	2.43				385		80			3.7
TF 340	34.0	0.15	1.33	2.72				415		60			3.7

Performance data at reference conditions as per ISO 7183 Option A1: Operating pressure 7 bar, ambient temperature + 25° C, compressed air inlet temperature + 35° C, pressure dew point + 3° C. Flow rate varies for deviating operating conditions. Contains fluorinated greenhouse gas R 134a (GWP = 1.430)



KAESER KOMPRESSOREN SE

P.O. Box 2143 – 96410 Coburg – GERMANY – Tel +49 9561 640-0 – Fax +49 9561 640130
e-mail: productinfo@kaeser.com – www.kaeser.com