



The new SECOTEC refrigeration dryer series TD

SECOTEC - a series of high-quality KAESER refrigeration dryers in industrial quality will be complemented by the new TD series from **September 2022**. The refrigeration dryers ensure a stable pressure dew point with the highest possible reliability as well as very low life cycle costs. The new series features a space-saving and highly efficient SECOPACK LS latent heat accumulator as well as the control system SIGMA CONTROL SMART with comprehensive system monitoring and optical network connection (TCP).

The advantages of the new TD series

- Low energy costs
- High operational reliability
- Stable pressure dew point
- Long service life
- Future-proof refrigerant R-513A (GWP value = 631)
- High-quality control system
- Optional network connection
- Small footprint



SECOTEC refrigeration dryer series

At a glance

- New types: TD 52/ 67 / 73 / 94
- Volume flow: 5.1 to 9.4 m³/min
- Control system: SIGMA CONTROL SMART
- Cold accumulator: integrated latent heat accumulator SECOPACK LS
- Pressure dew point: Stable + 3 °C (class according to ISO 8573-1)
- Pressure range: 3 to 16 bar (g)
- Pressure drop: 0.11 to 0.13 bar
- Installation: max. ambient temperature + 50°C (previously +43 °C)
- DL inlet: max. DL inlet temperature +60 °C (previously + 55 °C)
- Refrigerant: **Future-proof R-513A (GWP = 631)**
- Savings: Savings potential 9,467 to 14,278 € in 10 years
- Climate protection: Savings potential 28.4 to 42.8 to CO2 in 10 years

Funding conditions for refrigeration dryers

All KAESER energy-saving refrigeration dryers are still eligible for BAFA funding (in conjunction with an eligible compressor). This is because in order for refrigeration dryers to be eligible for funding in module 1, refrigeration dryers must fulfil the following conditions regarding climate protection in future:

- Large refrigeration dryers with a filling volume greater than 5 to CO2-equivalent ==> max. GWP value 750. (i.e. e.g. refrigerant R-513A)
- Small refrigeration dryers with a capacity of less than 5 to CO2-equivalent ==> max. GWP value 1500 (i.e. e.g. refrigerant also R-314a)



Like all SECOTEC dryers, the new TD series is **100 % made by KAESER**. The units are developed and tested in Coburg and manufactured in the production centre in Gera.

Cost-saving and simple service

- **Material-friendly operation** due to long switching cycles thanks to large SECOPACK LS cold accumulator
- **Very low maintenance requirements** limited to steam trap service, inspection and cleaning of the condenser
- Control **SIGMA CONTROL SMART with maintenance timer** indicates recommended service
- **Simple checking of differential pressure** through compressed air connections with socket and quick coupling
- A recurring leakage test according to the F-Gas regulation is not necessary

Your Contact

FILCOM GmbH
Riedstr. 17/1
D-73760 Ostfildern

Phone: +49 (0) 711-4413322-0
Fax: +49 (0) 711-4113322-22
Mail: info@filcom.de

www.filcom.de

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