



REFRIDGE AIR DRYER SD SERIES

TRD-2024/V00

WHY SD?

- High operating temperatures limit
- Built to last
- Eco-friendly
- Standard fully equipped
- Friendly Maintenance
- Tight dew point



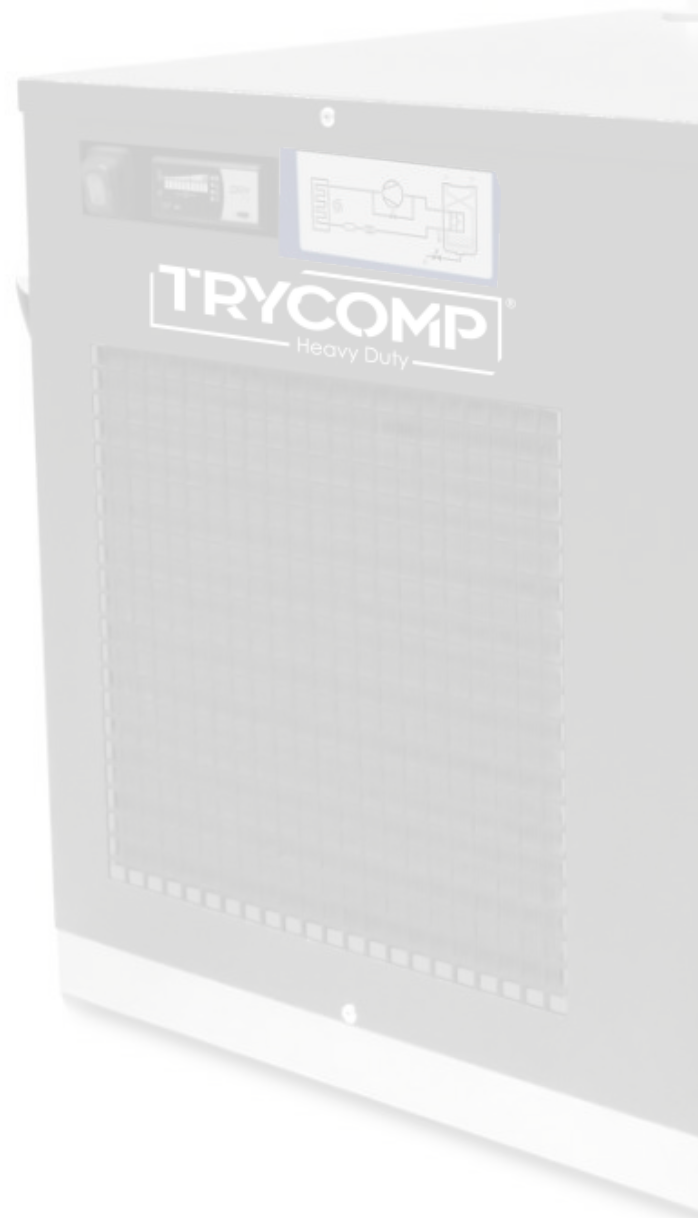
QUALITY

Friulair's (TRYCOMP) dryer quality is based on:
More than 30 years experience in dryer manufacturing
Selected and high quality components
Qualified supplier
Qualified & certified operators
Continuous and regular inspections
ISO 9001 certified quality system.

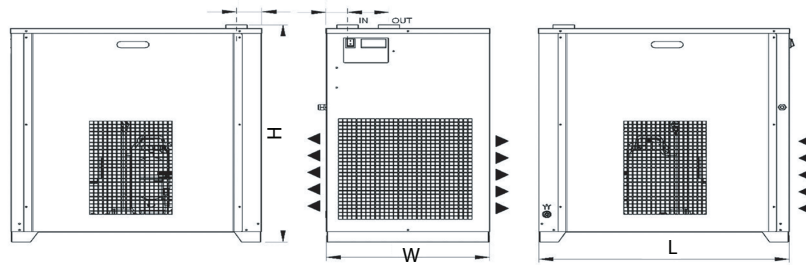


COMPACT SERIES

- 100% INSPECTION
- Quality control on incoming material
- Air circuit strength & leak test
- Refrigerant circuit strength & helium leak test (allowed max 1 g/year)
- Electronic vacuum measurement
- High accuracy automatic refrigerant charging equipment
- Electrical test according to EN 60204
- Final functional test including:
 - Hot gas by pass valve setting
 - Pressure switch setting
 - Dew point temperature check
 - Drainer proper functioning check
- Final leak test with refrigerant electronic sniffer
- Brazed joint protection
- All assembly & test step are recorded on QCP.



INDUSTRIAL COMPRESSED AIR & GAS SOLUTIONS



| MODEL | CAPACITY | | CONNECTION | POWER | MAX. PRESSURE BAR | GAS | Weight (kg) | Dimensions |
|--------|----------|------|------------------|----------|----------------------|---------|----------------|---------------|
| | Lit/min | M3/h | | | | | | H*W*L |
| SD 4 | 400 | 24 | G ½" | 1/230/50 | 16 | R 134 a | 17 | 439*331*423 |
| SD 9 | 900 | 54 | G ½" | 1/230/50 | 16 | R 134 a | 19 | 439*331*423 |
| SD 12 | 1200 | 72 | G 1" | 1/230/50 | 16 | R 134 a | 37 | 497*351*450 |
| SD 18 | 1800 | 108 | G 1" | 1/230/50 | 16 | R 134 a | 37 | 497*351*450 |
| SD 23 | 2300 | 138 | G 1" | 1/230/50 | 16 | R 134 a | 40 | 497*351*450 |
| SD 30 | 3000 | 180 | G 1" | 1/230/50 | 16 | R 134 a | 52 | 554*451*594 |
| SD 40 | 4200 | 252 | G 1 1/2" | 1/230/50 | 16 | R 407 c | 60 | 559*451*594 |
| SD 60 | 6000 | 360 | G 1 1/2" | 1/230/50 | 16 | R 407 c | 85 | 871*512*784 |
| SD 80 | 8100 | 486 | G 1 1/2" | 1/230/50 | 16 | R 407 c | 95 | 872*512*784 |
| SD 100 | 10500 | 630 | G 1 1/2" | 1/230/50 | 16 | R 407 c | 97 | 872*512*784 |
| SD 130 | 13000 | 780 | G 2" | 1/230/50 | 16 | R 407 c | 118 | 876*512*784 |
| SD 180 | 18000 | 1080 | G 2" | 1/230/50 | 16 | R 407 c | 164 | 1077*688*908 |
| SD 210 | 21000 | 1260 | G 2 1/2" | 1/230/50 | 16 | R 407 c | 189 | 1077*688*908 |
| SD 240 | 24000 | 1440 | G 2 1/2" | 3/400/50 | 16 | R 407 c | 198 | 1077*688*908 |
| SD 320 | 32000 | 1920 | FLANGE DN 80 | 3/400/50 | 16 | R 407 c | 279 | 1168*740*1176 |
| SD 440 | 44000 | 2640 | FLANGE DN 80 | 3/400/50 | 16 | R 407 c | 295 | 1168*740*1176 |
| SD 640 | 64000 | 3840 | FLANGE DN 100 | 3/400/50 | 16 | R 407 c | 439 | 1728*876*1588 |
| SD 880 | 88000 | 5280 | FLANGE DN 100 | 3/400/50 | 16 | R 407 c | 487 | 1728*876*1588 |

| Correction factor for operating pressure changes: | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|
| Inlet air pressure [barg] | 4 | 5 | 6 | 7 | 8 | 10 | 12 | 14 | 16 |
| Correction factor | 0.77 | 0.86 | 0.93 | 1.00 | 1.05 | 1.14 | 1.21 | 1.27 | 1.33 |

| Correction factor for ambient temperature changes: | | | | | |
|--|------|------|------|------|------|
| Ambient temperature [°C] | ≤ 25 | 30 | 35 | 40 | 45 |
| Correction factor | 1.00 | 0.95 | 0.88 | 0.79 | 0.68 |

| Correction factor for inlet air temperature changes: | | | | | | |
|--|------|------|------|------|------|------|
| Air temperature [°C] | ≤ 30 | 35 | 40 | 45 | 50 | 55 |
| Correction factor | 1.11 | 1.00 | 0.81 | 0.67 | 0.55 | 0.45 |

| Correction factor for outlet air dew point changes: | | | | |
|---|------|------|------|------|
| Dew Point [°C] | 3 | 5 | 7 | 10 |
| Correction factor | 1.00 | 1.09 | 1.19 | 1.37 |

Subject to technical modification without notice. Errors not excluded. Software Version: 1.5_01-2021

Your vision is our commitment.

Reach out to us today, to explore the great possibilities.

A brand by **ARNIKA**
—COMPANY—

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