

VKE Refrigerated Compressed Air Dryers

DEWPOINT
+2°C / +3°C



Versatile and Compact Design

With Digital Controller and Dewpoint Sensor as standard.

- Dewpoint Values
- Energy Saver mode
- Service interval indicators
- Situational Reports
- Timer
- Available with both Celsius and Fahrenheit units

Aluminum Heat Exchanger is Standard

Very Low Pressure Drop (100mbar)
High Efficient (3 C real pressure dew point)

Integrated 2 Stage Filtering

A Set of 2 filters with down to 1 micron particle and down to 0.01 mg/m³ oil removal with optional further filtration .

Easy internal access

Easily access the cooling components and electric panel with screwless latch on panel design



Low pressure drop

High Efficiency

Reliable Operation

VKE Refrigerated Compressed Air Dryers

| MODEL | CAPACITY (m ³ /h) | Voltage | Connection Size | Filter Quantity and Type | Element Type | Pressure Drop (mbar) | Control Type |
|-----------|------------------------------|---------------------|-----------------|--|------------------|----------------------|--------------|
| VKE-23 | 23 | 230V / 1 Ph / 50 Hz | 1/2" | 1*GKON55X + 1*GKON55Y | MKON55 KIT | 95 | Digi-Pro |
| VKE-38 | 38 | 230V / 1 Ph / 50 Hz | 1/2" | 1*GKON55X + 1*GKON55Y | MKON55 KIT | 150 | Digi-Pro |
| VKE-53 | 53 | 230V / 1 Ph / 50 Hz | 1/2" | 1*GKON55X + 1*GKON55Y | MKON55 KIT | 250 | Digi-Pro |
| VKE-70 | 70 | 230V / 1 Ph / 50 Hz | 1/2" | 1*GKON75X + 1*GKON75Y | MKON75 KIT | 220 | Digi-Pro |
| VKE-100 | 100 | 230V / 1 Ph / 50 Hz | 3/4" | 1*GKON155X + 1*GKON155Y | MKON155 KIT | 80 | Digi-Pro |
| VKE-155 | 155 | 230V / 1 Ph / 50 Hz | 3/4" | 1*GKON155X + 1*GKON155Y | MKON155 KIT | 195 | Digi-Pro |
| VKE-190 | 190 | 230V / 1 Ph / 50 Hz | 3/4" | 1*GKON155X + 1*GKON155Y | MKON155 KIT | 290 | Digi-Pro |
| VKE-210 | 210 | 230V / 1 Ph / 50 Hz | 1 1/2" | 1*GKON405X + 1*GKON405Y | MKON405 KIT | 195 | Digi-Pro |
| VKE-305 | 305 | 230V / 1 Ph / 50 Hz | 1 1/2" | 1*GKON405X + 1*GKON405Y | MKON405 KIT | 290 | Digi-Pro |
| VKE-375 | 375 | 230V / 1 Ph / 50 Hz | 1 1/2" | 1*GKON405X + 1*GKON405Y | MKON405 KIT | 180 | Digi-Pro |
| VKE-495 | 495 | 230V / 1 Ph / 50 Hz | 2" | 1*GKON805X + 1*GKON805Y | MKON805 KIT | 280 | Digi-Pro |
| VKE-623 | 623 | 230V / 1 Ph / 50 Hz | 2" | 1*GKON805X + 1*GKON805Y | MKON805 KIT | 210 | Digi-Pro |
| VKE-930 | 930 | 230V / 1 Ph / 50 Hz | 2" | 1*GKON1205X + 1*GKON1205Y | MKON1205 KIT | 130 | Digi-Pro |
| VKE-1200 | 1200 | 230V / 1 Ph / 50 Hz | 2" | 1*GKON1205X + 1*GKON1205Y | MKON1205 KIT | 160 | Digi-Pro |
| VKE-1388 | 1388 | 400V / 3 Ph / 50 Hz | 3" | 1*GKON-HC-1805X + 1*GKON-HC-1805Y | MKON-HC-1805 KIT | 320 | Digi-Pro |
| VKE-1800 | 1800 | 400V / 3 Ph / 50 Hz | 3" | 1*GKON-HC-1805X + 1*GKON-HC-1805Y | MKON-HC-1805 KIT | 260 | Digi-Pro |
| VKE-2500 | 2500 | 400V / 3 Ph / 50 Hz | 3" | 1*GKON-HC-2775X + 1*GKON-HC-2775Y | MKON-HC-2775 KIT | 170 | Digi-Pro |
| VKE-2775 | 2775 | 400V / 3 Ph / 50 Hz | 3" | 1*GKON-HC-2775X + 1*GKON-HC-2775Y | MKON-HC-2775 KIT | 320 | Digi-Pro |
| VKE-3330 | 3330 | 400V / 3 Ph / 50 Hz | DN100 Flange | 1*GKO5850X + 1*GKO5850Y | GKO5850 KIT | 240 | Digi-Pro |
| VKE-3915 | 3915 | 400V / 3 Ph / 50 Hz | DN100 Flange | 1*GKO5850X + 1*GKO5850Y | GKO5850 KIT | 350 | Digi-Pro |
| VKE-5085 | 5085 | 400V / 3 Ph / 50 Hz | DN100 Flange | 1*GKO5850X + 1*GKO5850Y | GKO5850 KIT | 295 | ESD-3 |
| VKE-5850 | 5850 | 400V / 3 Ph / 50 Hz | DN100 Flange | 1*GKO5850X + 1*GKO5850Y | GKO5850 KIT | 320 | ESD-3 |
| VKE-6975 | 6975 | 400V / 3 Ph / 50 Hz | DN150 Flange | ** Externally Connected - F6500 X / Y | 6*M1200 KIT | 295 | ESD-3 |
| VKE-7875 | 7875 | 400V / 3 Ph / 50 Hz | DN150 Flange | ** Externally Connected - F8500 X / Y | 8*M1200 KIT | 320 | ESD-3 |
| VKE-9000 | 9000 | 400V / 3 Ph / 50 Hz | DN150 Flange | ** Externally Connected - F11000 X / Y | 10*M1200 KIT | 320 | ESD-3 |
| VKE-10500 | 10500 | 400V / 3 Ph / 50 Hz | DN200 Flange | ** Externally Connected - F11000 X / Y | 10*M1200 KIT | 320 | ESD-3 |
| VKE-12500 | 12500 | 400V / 3 Ph / 50 Hz | DN200 Flange | ** Externally Connected - F14000 X / Y | 14*M1200 KIT | 320 | ESD-3 |

Note: Water condenser is available for all models

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

INTEGRATED FILTRATION

Correction Factor for VKE Series

| 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 |

