

## 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<br>(m <sup>3</sup> /h) | Voltage             | Connection<br>Size | Filter Quantity and Type               | Element<br>Type  | Pressure<br>Drop<br>(mbar) | Control<br>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<br>Temperature (°C) | F1   | Ambient<br>Temperature (°C) | F2   | Pressure<br>(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 |

