

VORTEX
C O M P R E S S O R

DEW-POINT
+2°C / +3°C

VKE Refrigerated Compressed Air Dryers



Energy Saving Device

Dew point indicator is standard and Digital Controller is optional on VKE Seires.

Compact Design

Every Centimeter inside dryer is utilised

Aluminum Heat Exchanger is Standard

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

Electrical wires are seperated from Refrigerant Side

No electrical wires inside the refrigerant side of the dryer. Electrical Box has an external cover which has an access from the outside of the dryer.

No need to open dryer panels to go in to electrical box

Easy to Access

Easy to access in to the cooling components in seconds by the help of Screw free panels and plantic handlees

Low pressure drop

High Efficiency

Reliable Operation

MODEL	CAPACITY (m ³ /h)	CONNECTION SIZE	VOLTAGE	REFRIGERANT	PRESSURE DROP (mbar)	CONTROL TYPE	MAX. WORKING PRESSURE (bars)	MAX. AMBIENT TEMP. (°C)	MAX. INLET TEMP. (°C)
VKE- 23	23	1/2"	230/1/50	R-134a	150	-	16	45	50
VKE- 38	38	1/2"	230/1/50	R-134a	220	-	16	45	50
VKE- 53	53	1/2"	230/1/50	R-134a	350	-	16	45	50
VKE- 100	100	3/4"	230/1/50	R-134a	100	-	16	45	50
VKE- 155	155	3/4"	230/1/50	R-134a	220	-	16	45	50
VKE- 190	190	3/4"	230/1/50	R-134a	320	-	16	45	50
VKE- 210	210	1 1/2"	230/1/50	R-134a	220	-	16	45	50
VKE- 305	305	1 1/2"	230/1/50	R-134a	320	-	16	45	50
VKE- 375	375	1 1/2"	230/1/50	R-134a	200	-	16	45	50
VKE- 495	495	1 1/2"	230/1/50	R-134a	310	-	16	45	50
VKE- 623	623	2"	230/1/50	R-134a	240	-	16	45	50
VKE- 930	930	2"	230/1/50	R-134a	150	-	16	45	50
VKE- 1200	1200	2"	230/1/50	R-134a	190	-	16	45	50
VKE- 1388	1388	3"	400/3/50	R-134a	350	-	16	45	50
VKE- 1800	1800	3"	400/3/50	R-134a	290	-	16	45	50
VKE- 2500	2500	3"	400/3/50	R-134a	190	-	16	45	50
VKE- 2775	2775	3"	400/3/50	R-134a	350	-	16	45	50
VKE- 3330	3330	DN100	400/3/50	R-134a	270	-	16	45	50
VKE- 3915	3915	DN100	400/3/50	R-134a	380	-	16	45	50
VKE- 5085	5085	DN100	400/3/50	R-134a	320	-	16	45	50
VKE- 5850	5850	DN100	400/3/50	R-134a	350	ESD-3	16	45	50
VKE- 6975	6975	DN150	400/3/50	R-134a	320	ESD-3	16	45	50
VKE- 7875	7875	DN150	400/3/50	R-134a	350	ESD-3	16	45	50
VKE- 9000	9000	DN150	400/3/50	R-134a	350	ESD-3	16	45	50
VKE- 10500	10500	DN200	400/3/50	R-134a	350	ESD-3	16	45	50
VKE- 12500	12500	DN200	400/3/50	R-134a	350	ESD-3	16	45	50

CORRECTION FACTORS FOR VKE AIR DRYERS

INLET TEMPERATURE C	30	35	40	45	50	60	-	-
F1	1,29	1	0,92	0,78	0,65	0,45	-	-
AMBIENT TEMPERATURE C	20	25	30	35	40	50	-	-
F2	1,05	1	0,98	0,93	0,84	0,7	-	-
PRESSURE BAR	4	6	7	8	10	12	14	16
F3	0,80	0,94	1	1,04	1,11	1,16	1,22	1,25

Example for choosing the correct Dryer;

If a compressor delivers 200 m³/h at 6 bars the dryer inlet temperature is 40°C and ambient temperature is 30°C Please choose your Dryer as follows;

$$200 / 0,94 / 0,92 / 0,98 = 236 \text{ m}^3/\text{h}$$

The correct Dryer for this application
VKE 305