

Refrigeration Air Dryers

2KD+
Series



WORLD CLASS
COMPRESSED AIR DRYERS
AND ACCESSORIES



PRODUCT FEATURES

UNIQUE CO-EX HEAT EXCHANGERS

Our CO-EX Exchanger is a COAXIAL Heat Exchanger. It performs as a Precooler and Evaporator. Our design maximizes exchanger efficiency by using Copper tubes in a coiled TUBE-IN-TUBE arrangement. Tube sizes are carefully chosen so that fluid velocities are maintained through the tubes. This promotes turbulence break up boundary and maximizes the heat transfer rate with minimum pressure drop.

To further increase heat transfer efficiency, a Counter Flow pattern is used that achieves the maximum temperature difference. In addition, exchangers are fully encapsulated by PUF insulation to prevent the loss of cooling effect.

SPECIAL FEATURE OF CO-EX

- Full copper corrosion free heat exchanger.
- Non-fouling exchanger.
- Co-Axial arrangement, tends to minimize space requirement.
- Minimises power consumption
- No leakage.
- Low pressure drop.
- High efficiency

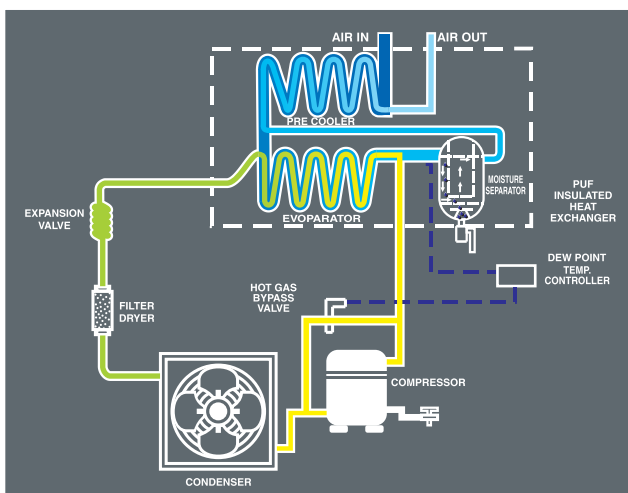
MOISTURE SEPARATOR

Cyclonic / centrifugal type moisture separator specifically developed by GEM for condensate removal in 2KD+ Series Dryers. Designed to achieve the highest separation efficiency and maintain this efficiency from low flows to well above the rated capacity.

Efficient separation ensures that liquid condensed in the Evaporator is not carried over by the outlet air, avoids raising the outlet Dew Point. Separator is encapsulated within PUF insulation to prevent re-heating of air before separation occurs.

- » Compact Design
- » Low Pressure Drop
- » Consistent Dew Point
- » Power Saving
- » High Quality Finishing
- » Non-cyclic System
- » More Reliability
- » Ease of Installation
- » Environment Friendly
- » Reduced Maintenance

SCHEMATIC DIAGRAM



DEPENDABLE AUTOMATIC CONDENSATE DRAIN WITH THE FOLLOWING FEATURES:

Adjustable electronic timer controlled, Pilot operated, compressed air powered, Auto drain valve.

Positive discharge of even heavily contaminated condensate.

NON-CYCLIC REFRIGERATION SYSTEM:

HOT GAS BY-PASS Valve automatically maintains temperature across a wide range and ambient conditions without the need any adjustments.

High pressure by-pass refrigerant gas is introduced after the expansion valve to ensure temperature control.

Direct expansion, non-cycling allows rapid response to changes in operating conditions.

EASE OF INSTALLATION:

All dryers are shipped pre-piped and wired, ready to install and operate, installation is made easy with conveniently located Air and Drain connections.

ELECTRICAL:

In accordance with applicable codes

Compressors are protected with overloads and safety trips.

ENVIRONMENTAL:

GEM DRYERS are designed for low energy usage, helping to conserve the Earth's Resources and minimize pollution. Refrigerants are with low ozone depletion factor, and thereby making GEM dryers' 'OZONE FRIENDLY'.

SERVICE

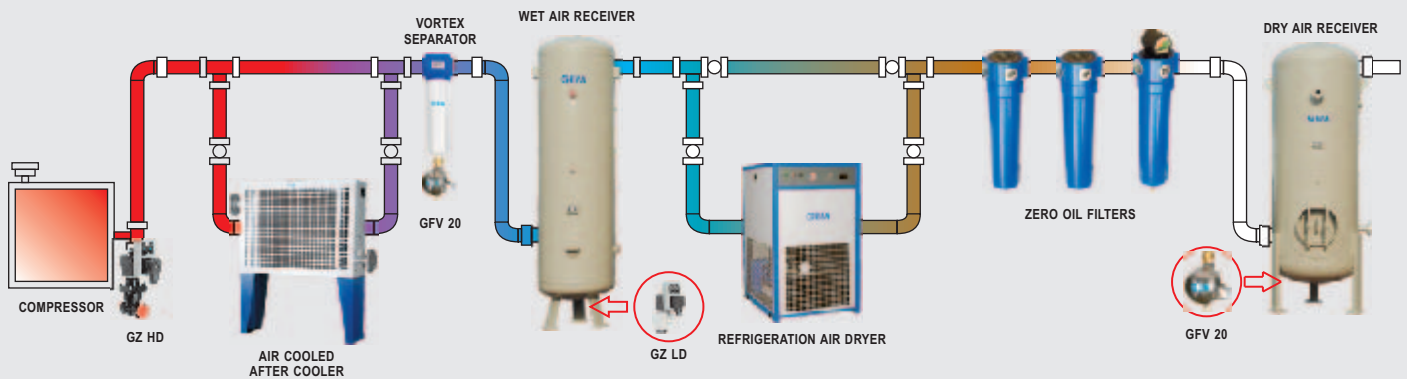
GEM DRYERS are designed to require little maintenance. Should service be necessary, a team of trained technicians is available to answer your questions about installation, operation and maintenance or repair. A complete inventory of spare parts is maintained at the factory and channel partners & local service providers located all over India.

SHIPPING DATA

Base Model	Machine Dimensions, mm			Net Weight, kg
	Length A	Width B	Height C	
2KD+ 002	360	425	500	45
2KD+ 004	360	425	500	47
2KD+ 006	450	550	610	80
2KD+ 008	450	550	610	85
2KD+ 010	700	700	830	120
2KD+ 015	700	700	830	130
2KD+ 020	700	700	830	140
2KD+ 025	900	900	1230	160
2KD+ 030	900	900	1230	160
2KD+ 040	900	900	1230	180
2KD+ 050	750	1000	1400	225
2KD+ 060	750	1000	1400	250
2KD+ 075	900	1200	1475	375
2KD+ 100	900	1200	1725	400
2KD+ 125	900	1200	1725	425
2KD+ 150	1300	1800	1650	650
2KD+ 200	1300	1800	1900	800
2KD+ 250	1300	1800	1900	850



TYPICAL INSTALLATION



TYPICAL APPLICATION

Automobile Industry
Chemical Industry
Electronics Industry
Food & Beverage Industry
Footwear Industry
Glass Industry
Leather Industry
Pharmaceutical Industry
Textile Industry

Cement Plants
Distilleries / Breweries
General Instrumentation & Plant Air
Health Care / Hospitals
Lacquering or Spray Painting
Paper Mills
PET - Stretch Blow Moulding
Power Plants
Printing
Rice Mills
Sand Blasting
Spinning / Knitting / Hosiery Mills
Sugar Mills
Tea Gardens
and many more

SALES & CUSTOMER CARE



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