

**Compressed Air & Cooling Systems** 

# Refrigeration Air Dryers











## 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

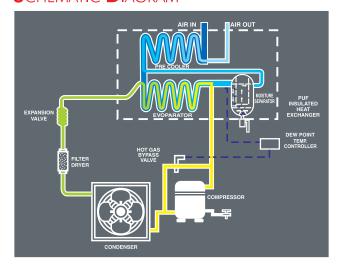
#### **MOISTURE SEPARATOR**

Cyclonic / centrifugal type moisture seperator 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 Value 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 value 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.

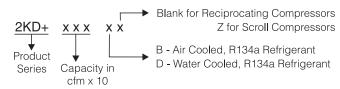
# TECHNICAL SPECIFICATION:

Base Model	Model \	/ariance	Nominal Capacity		Maximum, Pressure		Electrical Connection		Air Connection	Rated Power ★ kW	
Wodel	В	D	cfm	m³/h	bar g	psi g	220V/ 1Ø/50Hz	415V/ 3Ø/50Hz	In / Out	Air Cooled	Water Cooled
2KD+ 002	1		20	34	16	232	1		½"BSP(F)	0.15	
2KD+ 004	1		40	68	16	232	1		½"BSP(F)	0.20	
2KD+ 006	1		60	102	16	232	1		1"BSP(F)	0.40	
2KD+ 008	1		80	136	16	232	1		1"BSP(F)	0.50	
2KD+ 010	1		100	170	16	232	1		11/2"BSP(F)	0.60	
2KD+ 015	1		150	255	16	232	1		1½"BSP(F)	0.90	
2KD+ 020	1		200	340	16	232	1		1½"BSP(F)	1.20	
2KD+ 025	1		250	425	16	232	1		2"BSP(F)	1.40	
2KD+ 030	<b>/</b>		300	510	16	232	/		2"BSP(F)	1.60	
2KD+ 040	1	1	400	680	16	232	/		2"BSP(F)	1.90	1.60
2KD+ 050	1	1	500	850	16	232		<b>✓</b>	3"NB ASME Flg	2.30	1.90
2KD+ 060	1	1	600	1020	16	232		/	3"NB ASME Flg	2.80	2.30
2KD+ 075	1	/	750	1275	16	232		/	3"NB ASME Flg	3.80	3.00
2KD+ 100	1	1	1000	1700	16	232		<b>/</b>	4"NB ASME Flg	5.00	4.10
2KD+ 125	1	/	1250	2125	16	232		<b>✓</b>	4"NB ASME Flg	5.70	4.80
2KD+ 150	1	1	1500	2550	12.5	180		1	5"NB ASME FIg	6.80	6.20
2KD+ 200	1	1	2000	3400	12.5	180		/	6"NB ASME FIg	8.70	8.00
2KD+ 250	1	1	2500	4100	12.5	180		/	6"NB ASME FIg	11.00	9.60

- Flow capacities in accordance with ISO 7183, air suction of FAD 20°C (68°F), 1 bar (14.5 psi) at the operating conditions mentioned below
- Voltage range 200 to 240V for 1ø & 380 420V for 3ø
- ★ Rated power is the max power consumed at conditions as per ISO 7183 Option 2

NOTE: Above models are with Reciprocating type refrigeration compressors. For Scroll type compressors, please refer to GEM

#### **Model Nomenclature:**



# SIZING CONVERSION FACTORS:

#### **Operating condition**

		lucai	Waxiiiiaiii
Inlet Temperature	:	45° C	60° C
Ambient Temperature	:	40° C	50° C
Inlet Pressure	:	7 bar g	16 bar g
Pressure Daw Point		3° C ັ	· ·

**Dryer Nominal Capacity =** 

Compressor Actual Capacity

C1 x C2 x C3 x C4

#### Inlet Temperature: (C1)

Inlet Temperature, °C	30	35	40	45	50	55	60
Conversion Factor	1.2	1.15	1.05	1.0	0.85	0.8	0.7

Inlet	bar g	4	5	6	7	8	9	10.5	11	12.5	13	14	15	16
Pressure	psi g	58	73	87	100	116	131	150	160	180	189	200	218	232
Conversion	n Factor	0.75	0.85	0.95	1.00	1.06	1.11	1.15	1.18	1.20	1.22	1.23	1.25	1.28

#### **Ambient Temperature : (C2)**

# Pressure Dew Point (C4)

Inlet Pressure: (C3)

Ambient Temperature, °C	25	30	35	40	45	50
Conversion Factor	1.2	1.14	1.1	1.0	0.9	0.8

Pressure Dew Point, °C	3	7	10
Conversion Factor	1.0	1.15	1.3

# SHIPPING DATA

Base	Mach	Net		
Model	Length A	Width B	Height C	Weight, kg
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 Hyderabad Jamshedpur Lucknow Madurai Channel Nagpur Associates Nasik **Head Office** Pune Ahmedabad Coimbatore Rajkot Aurangabad Bengaluru Sangli Regional Offices Bhopal Sivasagar Chennai Chandigarh Surat Kolkata Cuttack Vadodara Mumbai Delhi Visakhapatnam

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**Compressed Air & Cooling Systems** 

# Wall Mounted Refrigerant Air Dryer



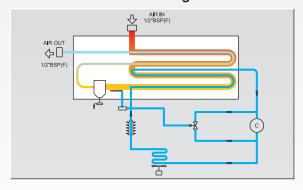








## **Schematic Diagram**



# Wall Mounted Refrigerant Air Dryer

# TECHNICAL SPECIFICATION:

Model	Air Flow		Work. Press.	Power Consp.	Elec. Conn.	Refri grant	Inlet / Outlet	D	imensior (mm)	ns	Weight
Model	CFM	m³/hr.	bar(g)	KW	230V 1Ø,50Hz		BSP	Α	В	С	kg.
2KW010	10	17	16	0.15	/	R134A	1/2"	520	230	450	35
2KW020	20	34	16	0.21	1	R134A	1/2"	520	230	450	38
2KW040	40	68	16	0.375	1	R134A	1/2"	570	230	500	45



## **F**EATURES:

- 1. Copper "Tube in Tube" non corrosive heat exchanger.
- 2. Inbuilt Non Corrosive Centrifugal specially treated Aluminium Moisture Separator.
- 3. PUF Insulation for Heat Exchanger Assembly.
- 4. Timer based Zero air loss Auto Drain Valve.
- 5. Filled with "Ozone Friendly" R134a refrigerant.
- 6. Wall Mounting type can be mounted on any machine
- 7. Noiseless operation.

# **A**PPLICATIONS

- **CNC Machine Tools**
- Electronic Industry
- Food & Bevarage Industry
- Health Care & Hospitals
- Printing
- Air Bearings
- Instrument Air

# WORKING CONDITIONS:

Pressure : 7 bar to 16 bar

: 45°C Inlet Temprature

Ambient Temprature: 35°C (40°C Max)

Pressure Dewpoint : 3°C

Atmosphere : Dust / Dirt Free

# DIGITAL DEW POINT INDICATOR



- Digital Dew Point indicator which illustrates the pressure dew point accurately.
- Inbuilt adjustable timer for Autodrain Valve.

# OTHER PRODUCTS:

After cooler

Moisture Separator

Air Receiver

**Desiccant Dryers** 

Auto Drain Valve

Filters

Heated type Dryers

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**Compressed Air & Cooling Systems** 

# High Pressure Refrigerant Compressed Air Dryers

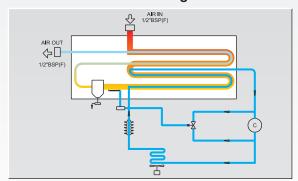








#### **Schematic Diagram**



# TECHNICAL SPECIFICATION:

Model	Air I	Flow	Ref. Power		trical * ection	Inlet / Outlet	D	imensior (mm)	ns	Weight
Model	CFM	m³/hr	KW#	230V 1Ø,50Hz	415V 3Ø,50Hz	BSP	А	В	С	Kg.
2KD7 002	20	34	0.21	1		1/2"	360	475	550	45
2KD7 004	40	68	0.36	1		1/2"	360	475	550	47
2KD7 006	60	100	0.36	1		1/2"	360	475	550	47
2KD7 008	80	136	0.48	1		1"	500	600	730	78
2KD7 010	100	170	0.6	1		1"	500	600	730	90
2KD7 015	150	255	0.68	1		1"	500	600	730	90
2KD7 020	200	340	1.0	1		1½"	700	700	830	120
2KD7 025	250	425	1.4	1		1½"	700	700	830	135
2KD7 030	300	510	1.4	1		1½"	700	700	830	135
2KD7 040	400	680	1.8		1	2"	900	900	1230	170
2KD7 050	500	850	2.2		1	2" NB flg	900	900	1230	180
2KD7 060	600	1020	2.6		1	2" NB flg	900	900	1230	180
2KD7 075	750	1275	3.3		1	2" NB flg	750	1000	1400	250
2KD7 100	1000	1700	4.2		1	2" NB flg	900	1200	1475	350



- ★ Voltage 180 to 240 V in case of 1Ø; 380 to 450 V in case of 3Ø
- # Power Consumption considering 45° C inlet and 35° C ambient temp.

Note: For70 to 80 bar operating pressure, contact factory

## **F**EATURES:

- 1. Copper "Tube in Tube" non corrosive heat exchanger, designed to have lower pressure drop and higher efficiency contains inbuilt centrifugal moisture separator having dead zone to avoid carry over of condensate.
- 2. PUF insulation for heat exchanger assembly.
- 3. Electronic timer operated Auto Drain Valve.
- 4. Universally available refrigeration components like Compressor, Fan motor, Filter Drier, Expansion Valve etc.
- 5. Non cyclic refrigeration systems, with the help of hot gas bye pass Solenoid Valve, for varying load condition and seasonal adjustments.
- 6. GEM PET Series Dryers are filled with "Ozone Friendly" R134a refrigerant.

## **NSTALLATION:**

GEM PET dryers are pre wired/pre piped and are ready to install and operate.

## **E**LECTRICALS:

Electrical is in accordance with application code and uses international components.

## **S**ERVICEABILITY:

A "Fit and Forget" unit and requires least maintenance (Trouble shooting and installation guidelines are given in manual that will be supplied along with dryer).

# WORKING CONDITIONS:

	Normal	Max
Working Pressure	40 bar	42 bar
Inlet Temperature	45° C	60° C
Ambient Temperature	35° C	50° C
Pressure Dew Point	3° C	

**Actual Capacity Dryer Nominal Capacity =** C1 x C2 x C3

# **C**ORRECTIVE **F**ACTORS

#### **Based on Intel Temperature (C1)**

Temperature in °C	30	35	40	45	50	55	60
Correction Factor	1.2	1.15	1.05	1.0	0.85	0.7	0.6

#### **Based on Ambient Temperature (C2)**

Temperature in °C	25	30	35	40	45	50
Correction Factor	1.1	1.05	1.0	0.9	0.85	0.75

#### **Based on Inlet Pressure (C3)**

Pressure	Bar (g)	25	30	35	40	42
11033410	Psi (g)	360	430	500	570	600
Correction	Factor	0.6	0.75	0.88	1.0	1.05

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**Compressed Air & Cooling Systems** 

# **Super Pack**

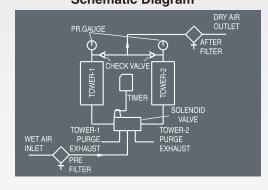
**Desiccant Compressed Air Dryers** 



#### **Salient Features**

- Compact in size
- Ease of operation
- Light weight
- Non-corrosive Aluminium body
- Aesthetic look
- Silent low purge noise

# **Schematic Diagram**





Capacity: 17 to 1500 m³/hr • Working Pressure: 12.5 bar • Dew Point: -40°C to -60°C













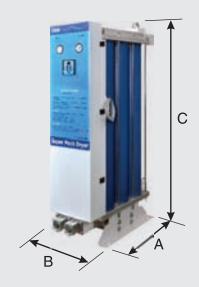


AIR DRYER AIR FILTER COOLING TOWER DRY COOLING TOWER

#### DESSICANT COMPRESSED AIR DRYERS

#### TECHNICAL SPECIFICATION:

Base	Airf	low	IIIIet/		mension, n	Weight, Kg	
Model	m³/h	cfm	Outlet	Α	В	C	ı (g
SPD 010	17	10	G 3/8"	210	135	510	16
SPD 015	25	15	G 3/8"	210	135	775	20
SPD 025	48	25	G 3/4"	430	163	680	26.5
SPD 040	72	40	G 3/4"	430	163	930	34
SPD 060	108	60	G 3/4"	430	163	1130	43
SPD 100	162	95	G 1"	430	163	1480	53
SPD 150	252	150	G 1½"	589	335	1475	110
SPD 250	420	250	G 1½"	763	335	1475	156
SPD 350	600	350	G 1½"	937	335	1475	202
SPD 500	840	500	G 2"	1111	335	1475	246
SPD 700	1200	700	G 2"	1296	335	1475	307
SPD 900	1500	900	G 2½"	1470	335	1475	340



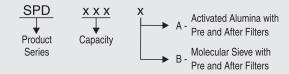
# WORKING CONDITIONS:

Working pressure : 4 bar to 10 bar 12.5 bar Inlet temperature : 40° C  $50^{\circ}$  C Atmospheric dew point : -40° C  $-60^{\circ}$  C

Cycle time : 4 minutes

Electrical : 220V / 50 Hz / Single Phase

#### **Model Nomenclature:**



## **F**EATURES

#### Tower

- Non-corrosive Aluminium body.
- Amply sized to save heat of adsorption.
- Large desiccant candle, ensures sufficient contact time to produce -40°C dew point (-60°C with Molecular sieves).
- Each tower is provided with pressure gauge.

#### **Filters**

 Each dryer is equipped with a Pre-filter to protect desiccant from free water contamination, dust, scales, etc., and an after-filter to avoid desiccant dust carry over.

### Pressure Gauge

 Pressure gauges on each tower for easier illustration of working of dryer.

#### Valves

- Highly reliable solenoid valves, to international standards, which act as main flow and exhaust valves.
- Precision orifice for highly accurate purge flow.

- Well designed mounting brackets
- Purge exhaust muffler for noise control.
- Highly accurate electronic timer.
- Dried air as per requirements of ISO 8573-1 class
- Designed to meet the requirements of ISO 7183.
- Quick exhaust facilitates sudden de-pressurization & thereby better regeneration.
- Re-pressurization cycle to avoid desiccant dusting.
- Designed for efficient working with least pressure drop.
- Powder coated for aesthetic look and additional protection.

#### WHY SUPER PACK INSTEAD OF OTHER DRYERS?

- Occupies less floor space.
- Easy to operate.
- No moving parts and hence high reliability.
- · Least maintenance required.
- Electronic timer enables accurate cycle timing.

#### **ACCESSORIES**

• Auto Drain Valve for filters

Specifications subject to change due to constant upgradation of products.

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**Compressed Air & Cooling Systems** 

# Heatless Compressed Air Dryers

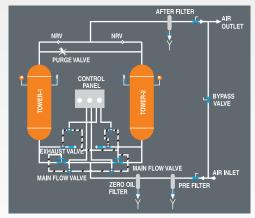








# SCHEMATIC DIAGRAM





Capacity: 20 - 2000 cfm • Working Pressure: 7 - 40 bar g

## HLN PRODUCT FEATURES

#### Salient Features

HLN Series Heatless Air Drier are designed and manufactured for high reliability and ease of use.

#### **Paint**

Painted with long lasting corrosion and resistance light grey epoxy paint which gives excellent finish and aesthetic look.

#### Tower

desiccant.

Amply sized to save heat of adsorption minimises purge air usage. Limited velocities through prevent bed fluidization - stops

Large desiccant bed ensures sufficient contact time to produce -40° dew point (-60° dew point with molecular sieves).

Separate fill and drain ports for ease of desiccant replacement.

Heavy duty purge exhaust mufflers for quite operation.

Pressure gauge on both the towers.

#### **Filters**

Every drier is equipped with a pre-filter, oil filter and after filter. Pre filter is fitted with double seat pneumatic auto drain valve which discharge the condensate during change over of tower.

#### Frame

Sturdy box frame with complete floor stand to withstand vibration and transit damage.

#### **Control Panel**

The control panel is compact user friendly with mimic panel indication. The various operation like drying regeneration, purging are indicated by LEDs.

Highly accurate motorised cam timer.

Solenoid valve and electricals to international standards using plug, socket and cable connections.

#### **Purge Flow**

Highly accurate purge flow with the help of well desingned orifice to avoid tampering of purge at site.

# TECHNICAL SPECIFICATION:

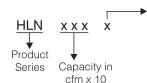
Base		Model \	/ariance		Air F	=low	Inlet Outlet	Dimensions in mm	Dessicant	Weight kg.
Model	Α	В	С	D	CFM	m³/hr	Flg	LxBxH	kg.	
HLN-002	1	1	1	1	20	34	½" BSP	500 x 400 x 1315	10	75
HLN-003	1	1	1	1	35	60	½" BSP	500 x 400 x 1565	15	90
HLN-006	1	1	1	1	60	102	¾" BSP	730 x 450 x 1275	17	120
HLN-007	1	1	1	1	75	128	¾" BSP	730 x 450 x 1370	26	150
HLN-010	1	1	1	1	100	170	1" BSP	750 x 450 x 1895	34	200
HLN-012	1	1	1	1	125	215	1 ½" FLG	1070 x 710 x 1765	41	250
HLN-015	1	1	1	1	150	255	1 ½" FLG	1200 x 710 x 1950	52	290
HLN-017	1	1	1	1	175	298	1 ½" FLG	1200 x 710 x 2275	60	320
HLN-020	1	1	1	1	200	340	1 ½" FLG	1300 x 750 x 1900	70	350
HLN-025	1	1	1	/	250	425	2" FLG	1400 x 1000 x 2030	90	400

#### HIGH PRESSURE

HLN0027	1	1	1	1	20	34	½" BSP	500 x 400 x 1315	10	75
HLN0047	1	1	1	1	40	68	½" BSP	500 x 400 x 1565	15	90
HLN0067	1	1	1	1	60	102	½" BSP	730 x 450 x 1275	17	100
HLN0087	1	1	1	1	75	128	½" BSP	730 x 450 x 1370	26	120
HLN0107	<b>/</b>	1	1	1	100	170	1" BSP	750 x 450 x 1895	34	150

 $<sup>^{\</sup>star}$  Specifications subject to change due to constant upgradation of products.

#### **Model Nomenclature:**



► A - Desiccant – Activated Alumina / IS 2825 Code of Construction

B - Desiccant - Activated Alumina / ASME sec VIII DIV 1 Code of Construction

C - Desiccant - Molecular Sieve / IS 2825 Code of Construction

D - Desiccant - Molecular Sieve / ASME sec VIII DIV 1 Code of Construction

## **Working Conditions:**

Working Pressure : 7 bar g to 12.5 bar g

For High pressure : 40 bar g
Inlet temperature : 42°C
Atmospheric Dew point : -40°C, -60°C

# **HLD PRODUCT FEATURES**

#### Salient Features

- Power on light.
- On-Off switch.
- Tower pressure gauges.
- Highly accurate motorised cam timer
- Differential pressure gauge for filters\*.
- PLC\*.
- Cycle failure indication\*.
- Sized to save heat of adsorption minimises purge air usage.
- Limited velocities through tower prevent bed fluidization-stops desiccant dusting.
- Large desiccant bed ensures sufficient contact time to produce -40°C dew point. Molecular sieves for -60°C.
- Uses bulk desiccant no special cartridges required.
- Can be offered for higher pressure and lower dew points also.
- Heavy duty purge exhaust mufflers for quite operation.
- Non-lubricated inlet control valves.
- Purge flow valve for adjusting purge rate.
- Pressure relief valves on both towers.

\* Optional

#### **Fill And Drain Ports**

•Separate fill and drain ports for ease of desiccant replacement.

#### Stainless Steel Support Screens And Air Diffusers

- •Easily removable for cleaning.
- •Filters out gross contaminants protect valves.
- •Prevents channelling.

# Structural Steel Frame With Complete Floor Stand

Easy installation.

Dryer is completely assembled, piped and wired before shipping.

Optional factory mounting of pre and after filters. Shipped with full charge of desiccant. Choice between alumina or molecular sieve.

Only hook-up utilities need to operate.

Lifting lugs for easy handling.

#### **FILTERS**

#### Prefilter

Every drier should be equipped with pre-filter to protect the desiccant from free water contamination, dust, scales, etc., from compressed air supply. This assures top efficiency and longer desiccant life.

#### Zero Oil Filter

Oil from the compressor's crank case will be passed on to the line. This will severely effect the life of the desiccant. Oil particles are removed in this filter upto Micron Rating.

#### After Filter

This is provided after the drier to remove the desiccant dust carried over to the equipment.

# TECHNICAL SPECIFICATION:

Base		Model V	/ariance	!	Air f	=low	Inlet Outlet	Dimensions in mm	Dessicant qty / tower	Weight
Model	А	В	С	D	CFM	m³/hr	Flg	LxBxH	kg.	kg.
HLD-030	1	1	/	1	300	510	2" NB	1400 x 1000 x 2400	110	500
HLD-040	1	1	1	1	400	680	3" NB	1400 x 1200 x 2480	140	650
HLD-050	1	1	1	1	500	850	3" NB	1600 x 1200 x 2230	180	750
HLD-060	1	1	1	1	600	1020	3" NB	1600 x 1200 x 2450	215	900
HLD-075	1	1	1	1	750	1275	4" NB	2000 x 1300 x 2200	260	1050
HLD-100	1	1	1	1	1000	1700	4" NB	2000 x 1300 x 2500	360	1200
HLD-125	1	1	1	1	1250	2125	6" NB	2000 x 1300 x 2750	450	1500
HLD-150	1	1	1	1	1500	2550	6" NB	2200 x 1400 x 2200	520	2000
HLD-200	1	1	1	1	2000	3400	6" NB	2200 x 1400 x 2860	720	2350

<sup>\*</sup> Specifications subject to change due to constant upgradation of products.

#### **Model Nomenclature:**

HLD x x x x x

Product Capacity in cfm x 10

► A - Desiccant – Activated Alumina / IS 2825 Code of Construction

B - Desiccant – Activated Alumina / ASME sec VIII DIV 1 Code of Construction

C - Desiccant - Molecular Sieve / IS 2825 Code of Construction

D - Desiccant - Molecular Sieve / ASME sec VIII DIV 1 Code of Construction

#### **Working Conditions:**

Atmospheric Dew point : -40°C, -60°C Working pressure : 7 bar g to 12.5 bar g

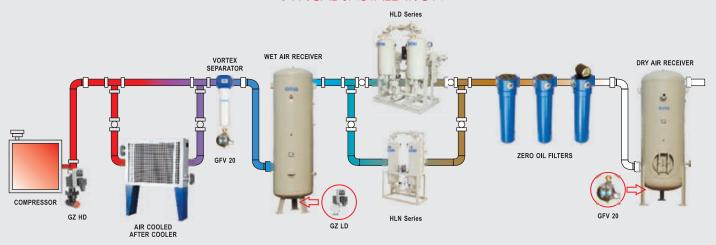
Inlet temperature : 42°C
Pressure drop : 0.2 bar g

Code of construction : IS2825 / ASME Sec VIII Div 1\*

All flanges : As per ANSI B16.5\* Electric : 230 C AC, 50 Hz

For other operating pressure, temperature and dew point, please contact factory

# 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 Hyderabad Jamshedpur Lucknow Madurai Channel Nagpur Associates Nasik **Head Office** Ahmedabad Pune Coimbatore Rajkot Aurangabad Bengaluru Sangli Regional Offices Bhopal Sivasagar Chennai Chandigarh Surat Kolkata Cuttack Vadodara Mumbai Delhi Visakhapatnam

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