

GEM

Trust Technology

Since 1984

SERIES

- 3GW
- 2KD G
- 2KD CC
- 3G7 Rotary
- 2KD7 High Pressure
- 3GX
- 3G Rotary
- 3GD
- 3GE (Digital)
- 3GZ



www.gemindia.com



REFRIGERANT TYPE
COMPRESSED AIR DRYERS



Gem Equipments Private Limited, a manufacturer of compressed air dryers and cooling system since 1984.

- An ISO 9001:2015 certified company, specialising in design, engineering and fabrication of compressed air dryers, cooling towers & filters.
- With an aim of satisfying the needs of all customers and providing a complete solution to plant engineering and utility requirements.
- GEM was established by a group of technocrats with a strong commitment towards excellence.
- The headquarters and manufacturing facility is setup in Coimbatore and with sales offices & warehouses in major cities across India.
- Using advanced technology, GEM accomplishes perfection in manufacturing with latest SAP - ERP.
- Modern production facility comprises of three sections: manufacturing, fabrication and testing. Each section is handled by highly trained engineers and workforce comprising of more than 200 skilled employees.
- GEM's range of products are in compliance with the quality standards set by the industry / International bodies.
- All products manufactured are inspected for technology, quality and design parameters.
- Gem Equipments is committed to enhance customer satisfaction before and after sales.
- Wide distribution network set across domestic and international market.

QUALITY & TECHNOLOGY

The R & D Dept boasts of the best talents with in-depth technical knowledge on International Codes like ASME, TEMA which facilitate to design products to ISO Standards. Close co-ordination with Research Institutes and feedback from the user industries have helped GEM develop and improve upon products.

With a strong background in Technology and Commitment to Quality, GEM continues to grow and expand internationally as the supplier of world class innovative products.

MANUFACTURING

The manufacturing system at GEM is one of the best with in-house facilities. Manufacturing equipments of various types for Compressed Air Treatment and Water Cooling Treatment with all accessories and vital components from Internationally renowned brands.

CUSTOMER CARE

GEM offers quick and prompt customer care solution and easy availability of spare parts.

Availability of full-fledged & factory-trained customer care personnel at all major cities and all critical nodes through out India.

Customer Training Workshops, Product Awareness Seminars, Participation in National and International Trade Fairs / Industrial Exhibitions, Newsletters help GEM communicate and collect feedback from customers for continuous product improvement.



HEAT EXCHANGER

All Aluminium Heat Exchanger is the combination of Pre cooler, Evaporator and built in Stainless Steel demister moisture separator. Pre cooler (air to air heat exchanger) and evaporator (air to refrigerant heat exchanger) are cross flow type with more cross sectional area for flow to make it non-clogging. Heat Exchanger is designed to have better turbulence & maximized heat transfer rate. Lesser difference in temperature between Inlet Air & Outlet Air ensures better effectiveness.



TEMPERATURE CONTROLLER

Programmable digital dewpoint temperature controller which controllers & monitor dew point temperature auto drain timing, hot gas valve opening, and fan control.

- Pressure dew point temperature
- Status of auto drain valve
- Status of Hot Gas by pass valve Controls as
- Pressure dew point control



CONDENSER

Copper tube with Aluminium fins designed to work at higher ambient up-to 50 deg C. Fins are easy to clean.



EXPANSION VALVE

Expansion valves are devices used to control the refrigerant flow in a refrigeration system. They help to facilitate the change of higher pressure of liquid refrigerant in the condensing unit to lower pressure gas refrigerant in the evaporator.



AUTO DRAIN VALVE

Gem refrigeration air dryer are timer based drain valve. The condensate is collected in a chamber is segregated from the air flow. The drain valve starts operating automatically after 4 - 16 mins and opens 4 - 8 secs for draining, depending upon the capacity of the dryer.



MOISTURE SEPARATOR (VWS & MST SERIES)

- Zero maintenance
- Most effective separation of water and oil
- Non-corrosive aluminium body construction
- Sight glass for visually checking moisture collection



COMPRESSOR

Worldclass reciprocating, scroll, rotary compressor used. Compatible with all green refrigerant. Extremely high reliability due to reduced vibration levels and fewer moving parts. Low noise, energy, space weight saving design. Can be used in higher ambient temperature.



AUTOMATIC DRAIN VALVE (GFV 20)

- Zero air loss, No electricity - no noise
- Robust design, Manual discharge
- Cleanable orifice, Float type
- Long life aluminium casting



COMPRESSED AIR FILTER (GZF SERIES)

- Air Quality - as per ISO: 8573-1
- Warranty for elements also
- Coloured elements for specific grade
- Low pressure drop



3GW

Product Range	20-60 cfm
Working pressure range	7-16Kg/cm ² (g)
Max. Inlet temperature	45°C
Outlet temperature range	30-35°C
Pressure Dew point at outlet	3-7°C

WALL MOUNTING



3GX

Product Range	150-4000cfm
Working pressure range	7-16Kg/cm ² (g)
Air flow related to	20°C, 1 bar
Max. Inlet temperature	45°C
Outlet temperature range	30-35°C
Pressure Dew point at outlet	2-4°C

GENERAL PURPOSE



2KD G

Product Range	20-300 cfm
Working pressure range	7-16Kg/cm ² (g)
Max. Inlet temperature	45°C
Outlet temperature range	30-35°C
Pressure Dew point at outlet	2-4°C

ALL ALUMINIUM



3GD

Product Range	150-3000cfm
Working pressure range	7-16Kg/cm ² (g)
Air flow related to	20°C, 1 bar
Max. Inlet temperature	45°C
Outlet temperature range	30-35°C
Pressure Dew point at outlet	2-4°C

LOGIC CONTROLLER



2KD CC

Product Range	40-2500 cfm
Working pressure range	7-16Kg/cm ² (g)
Max. Inlet temperature	45°C
Outlet temperature range	30-35°C
Pressure Dew point at outlet	2-4°C

COPPER COIL



3GR

Inlet Pressure Range	7-16Kg/cm ² (g)
Inlet Temperature	35-45°C
Relative Humidity	100%
Ambient Temperature	20-40°C
Outlet Air Temperature Range	30-40°C
Design Pressure	17.6Kg/cm ² (g)
Hydraulic Pressure	26.4Kg/cm ² (g)
Pressure Dew Point at outlet	2-4°C

HIGH EFFICIENCY



3G-7

Inlet Pressure Range	36-42Kg/cm ² (g)
Inlet Temperature	45°C
Relative Humidity	100%
Ambient Temperature	20-40°C
Outlet Air Temperature Range	40-42°C
Design Pressure	44Kg/cm ² (g)
Hydraulic Pressure	66Kg/cm ² (g)
Pressure Dew Point at outlet	2-7°C

HIGH EFFICIENCY



3GE

Product Range	750-3000cfm
Working pressure range	7-16Kg/cm ² (g)
Air flow related to	20°C, 1 bar
Max. Inlet temperature	45°C
Outlet temperature range	30-35°C
Pressure Dew point at outlet	2-4°C

ENERGY SAVING - VFD



2KD 7

Product Range	40-1250 cfm
Working pressure range	40-42 bar
Max. Inlet temperature	45°C
Outlet temperature range	30-35°C
Pressure Dew point at outlet	2-4°C

HIGH PRESSURE



3GZ

Product Range	20-1000cfm (50 Hz) & 22-1120cfm (60 Hz)
Electrical	Dual Frequency (50 & 60 Hz)
Working pressure range	7-16Kg/cm ² (g)
Air flow related to	20°C, 1 bar
Max. Inlet temperature	45°C
Outlet temperature range	30-35°C
Pressure Dew point at outlet	2-4°C

DUAL FREQUENCY

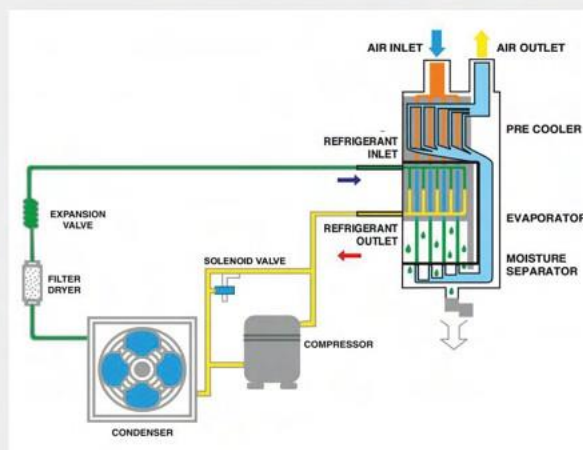


*depends on model

3GW



WALL MOUNTING



FEATURES

- Wall mounting
- Cyclic-energy saving mode
- Compact size
- Dual mounting
- Dew point 3°C - 7°C
- Easy to clean Auto Drain Valve
- Optional with filter

APPLICATIONS

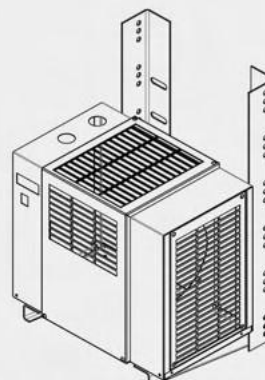
- Pneumatic tools
- Machine tools
- Automotive
- Paint spray
- Automatic washing

TECHNICAL SPECIFICATION

BASE MODEL	NOMINAL CAPACITY		ELECTRICAL CONNECTION	AIR CONNECTION	RATE POWER	OVERALL DIMENSION
	CFM	m ³ /hr				
3GW 002	20	34	✓	1/2" BSP(F)	0.29	490 x 303 x 425
3GW 004	40	68	✓	1/2" BSP(F)	0.29	490 x 303 x 425
3GW 006	60	102	✓	1" BSP(F)	0.47	550 x 380 x 475

SPECIFICATION

Product Range	20-60cfm
Working pressure range	7-16Kg/cm ² (g)
Max. Inlet temperature	45°C
Outlet temperature range	30-35°C
Pressure Dew point at outlet	3-7°C



WALL MOUNTING SERIES

- Wall mounting brackets provided
- Easy installation
- Air In/Out position on top

2KD G



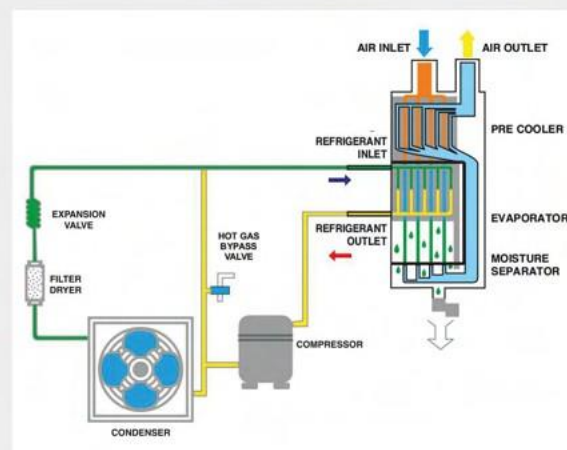
TECHNICAL SPECIFICATION

BASE MODEL	NOMINAL CAPACITY		ELECTRICAL CONNECTION		WORKING PRESSURE	AIR IN/OUT CONNECTION	RATED POWER	OVER ALL DIMENSION
	CFM	m ³ /hr	220V/1P/50HZ	440V/3P/50HZ	BAR (g)	BSP	kW	mm
2KD 002G	20	34	✓		7 - 16	½"BSP	0.29	350 x 480 x 490
2KD 004G	40	68	✓		7 - 16	½"BSP	0.29	350 x 480 x 490
2KD 006G	60	102	✓		7 - 16	1"BSP	0.466	350 x 480 x 490
2KD 008G	80	136	✓		7 - 16	1"BSP	0.89	450 x 490 x 600
2KD 010G	100	170	✓		7 - 16	1"BSP	0.89	450 x 490 x 600
2KD 013G	130	221	✓		7 - 16	1½"BSP	0.68	550 x 700 x 830
2KD 015G	150	255		✓	7 - 16	1½"BSP	1.67	550 x 700 x 830
2KD 020G	200	340		✓	7 - 16	1½"BSP	1.67	550 x 700 x 830
2KD 025G	250	425		✓	7 - 16	2"BSP	1.73	550 x 700 x 830
2KD 028G	280	476	✓		7 - 16	2"BSP	1.73	550 x 700 x 830
2KD 030G	300	510		✓	7 - 16	2"BSP	1.73	550 x 700 x 830

SPECIFICATION

Product Range	20-300 cfm
Working pressure range	7-16Kg/cm ² (g)
Max.Inlet temperature	45°C
Outlet temperature range	30-35°C
Pressure Dew point at outlet	2-4°C

ALL ALUMINIUM



FEATURES

- Compact Design
- Aluminium Heat exchanger
- Energy efficient compressor
- Programmable auto drain valve
- Unique multifunctional controller
- Air In/Out position on top

ALL ALUMINIUM SERIES

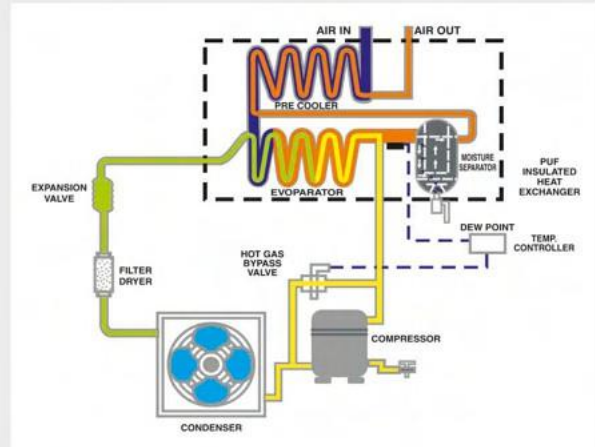
- No corrosion
- High efficiency
- Inbuilt moisture separator



2KD CC



COPPER COIL



FEATURES

- Copper - Tube in tube heat exchanger
- Robust frame
- Limited pressure drop
- Built in moisture separator
- High efficiency refrigeration compressor
- Dew point extremely constant functionally even under extreme working conditions(ambient temperature 50°C)

TECHNICAL SPECIFICATION

BASE MODEL	MODEL VARIANCE		NOMINAL CAPACITY		ELECTRICAL CONNECTION		AIR CONNECTION	RATE POWER KW		OVERALL DIMENSION	NET WEIGHT
	E	F	CFM	m ³ /hr	220V/1P/50HZ	415V/3P/50HZ	IN/OUT	AIR COOLED	WATER COOLED	mm	kg
2KD 004	✓		40	68	✓		½"BSP	0.29		360x425x550	46
2KD 006	✓		60	102	✓		½"BSP	0.46		360x425x550	47
2KD 008	✓		80	136	✓		1"BSP	0.89		550x450x685	80
2KD 010	✓		100	170	✓		1"BSP	0.89		500x600x685	85
2KD 015	✓		150	255		✓	1"BSP	1.67		500x600x685	86
2KD 020	✓		200	340		✓	1½"BSP	1.67		700x700x830	120
2KD 025	✓		250	425		✓	1½"BSP	1.73		700x700x830	133
2KD 030	✓		300	510		✓	1½"BSP	1.73		700x700x830	135
2KD 040	✓		400	680		✓	2"BSP	2.2		900x900x1230	170
2KD 050	✓		500	850		✓	2" NB FLG	2.2		900x900x1230	180
2KD 060	✓		600	1020		✓	2" NB FLG	4.5		900x900x1230	250
2KD 075	✓	✓	750	1275		✓	3" NB FLG	4.7	4.2	900x1300x1725	350
2KD 100	✓	✓	1000	1700		✓	4" NB FLG	6.0	5.0	900x1300x1725	400
2KD 125	✓	✓	1250	2125		✓	4" NB FLG	7.5	5.0	900x1300x1725	425
2KD 150	✓	✓	1500	2550		✓	5" NB FLG	8.8	6.3	1300x1800x1650	650
2KD 200	✓	✓	2000	3400		✓	6" NB FLG	12.2	9.5	1300x1800x1900	800
2KD 250	✓	✓	2500	4250		✓	6" NB FLG	13.9	11.0	1300x1800x1900	850

E - Air Cooled, F - Water Cooled

SPECIFICATION

Product Range	20-2500 cfm (E - Air cooled)
Product Range	750-2500 cfm (F - Water cooled)
Working pressure range	7-16Kg/cm ² (g)
Max.Inlet temperature	45°C
Outlet temperature range	30-35°C
Pressure Dew point at outlet	2-4°C

CC - COPPER COIL SERIES

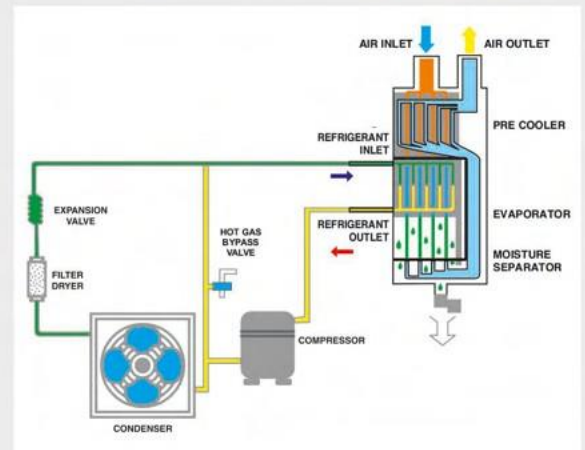
- Tube in tube copper heat exchanger
- Centrifugal moisture separator inbuilt
- Low pressure drop
- Easy access to key components for service



3G 7-ROTARY



HIGH EFFICIENCY



FEATURES

- High Efficiency plate type Heat Exchanger with inbuilt Moisture Separator
- Low Pressure Drop
- Weldless Frame with Condenser Mesh
- Sleek in Design and Low Power Consumption
- R410a Refrigerant Environmentally Friendly

TECHNICAL SPECIFICATION

BASE MODEL	DRYER CAPACITY		TYPE OF REFRIGERANT	RATED POWER kW	ELECTRICAL CONNECTION		IN/OUT CONNECTION	NET WEIGHT kg	OVERALL SIZE L x W x H mm
	CFM	m ³ /hr			220V/1P/50HZ	415V/3P/50HZ			
3G7 015	150	255	R410A	0.64	✓		3/4" BSP(F)	90	665 x 615 x 810
3G7 020	200	340		0.70	✓		3/4" BSP(F)	90	665 x 615 x 810
3G7 025	250	424		1.12	✓		3/4" BSP(F)	110	665 x 615 x 810
3G7 030	300	510		1.14	✓		3/4" BSP(F)	110	665 x 615 x 810
3G7 040	400	680		1.95	✓		1" BSP(F)	135	665 x 615 x 810
3G7 050	500	850		2.35		✓	1" BSP(F)	200	805 x 635 x 1005
3G7 060	600	1020		2.55		✓	2" NB FLG 300#	230	1000 x 640 x 1190
3G7 075	750	1275	R407c	2.93		✓	2" NB FLG 300#	230	1000 x 640 x 1190
3G7 100	1000	1700		3.95		✓	2" NB FLG 300#	280	1000 x 640 x 1190

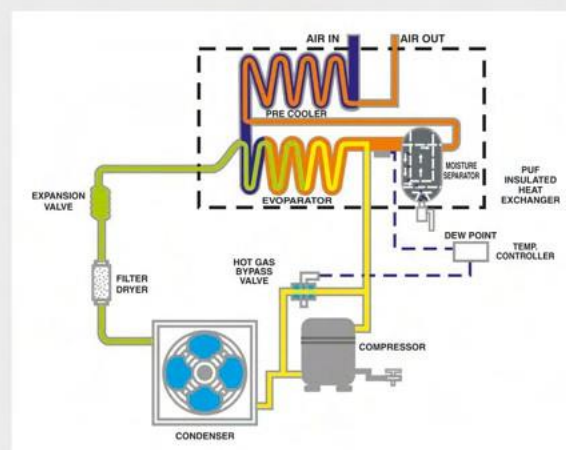
SPECIFICATION

Inlet Pressure Range	36-42Kg/cm ² (g)
Inlet Temperature	35-50°C
Relative Humidity	100%
Ambient Temperature	20-40°C
Outlet Air Temperature Range	30-40°C
Design Pressure	44Kg/cm ² (g)
Hydraulic Pressure	66Kg/cm ² (g)
Pressure Dew Point at outlet	2-4°C
Atmospheric Dew Point at outlet	-20°C
Pressure Drop across the Dryer	0.2Kg/cm ² (g)
Design Code	IS 2825 Class III/IS:11989/ISO 7183
Control Circuit Rating	220 V/50 Hz

2KD 7



HIGH PRESSURE



FEATURES

- The 2KD7 series of dryers specifically designed for HIGH WORKING pressure
- Maximum working pressure of 42 bar making them ideal for use in PET Industry
- The only one of its kind on the market, has built-in high efficiency pre-cooler
- The pre-cooler ensures a reduction of input pressure
- Performance and compactness of the machine reduces the pressure drop and allows quick and easy installation

TECHNICAL SPECIFICATION

BASE MODEL	NOMINAL CAPACITY		ELECTRICAL CONNECTION		AIR CONNECTION	RATE POWER	OVERALL DIMENSION	NET WEIGHT
	CFM	m ³ /hr	220V/1P/50HZ	415V/3P/50HZ	IN/OUT	kW	mm	kg
2KD7 004	40	68	✓		½" BSP	0.30	360x425x550	46
2KD7 006	60	102	✓		½" BSP	0.30	360x425x550	47
2KD7 008	80	136	✓		1" BSP	0.48	450x550x685	80
2KD7 010	100	170	✓		1" BSP	0.65	500x600x685	85
2KD7 015	150	255	✓		1" BSP	0.65	500x600x685	86
2KD7 020	200	340		✓	1 ½" BSP	1.23	700x700x830	120
2KD7 025	250	425		✓	1 ½" BSP	1.23	700x700x830	133
2KD7 030	300	510		✓	1 ½" BSP	1.23	700x700x830	135
2KD7 040	400	680		✓	2" BSP	2.02	900x900x1230	170
2KD7 050	500	850		✓	2" BSP	2.25	900x900x1230	180
2KD7 060	600	1020		✓	2" NB FLG	3.00	750x1000x1400	250
2KD7 075	750	1275		✓	2" NB FLG	3.23	900x1200x1475	350
2KD7 100	1000	1700		✓	2" NB FLG	5.05	900x1200x1725	400
2KD7 125	1250	2125		✓	2" NB FLG	7.50	900x1200x1725	450

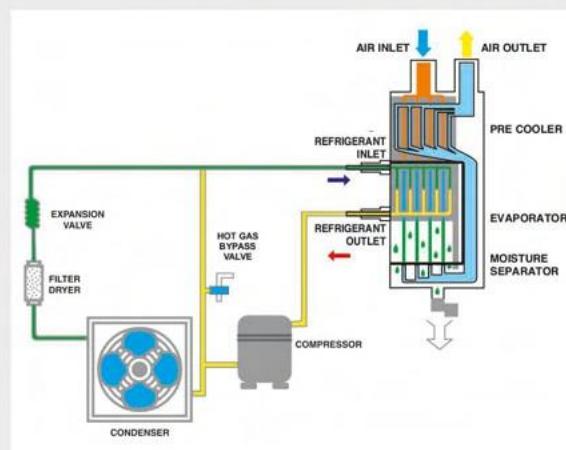
SPECIFICATION

Product Range	40-1250 cfm
Working pressure range	40-42 bar
Max. Inlet temperature	45°C
Outlet temperature range	30-35°C
Pressure Dew point at outlet	2-4°C

3GX



GENERAL PURPOSE



FEATURES

- Inlet/outlet at the top
- Weldless frame
- Compact design
- Safe refrigerant
- High efficiency heat exchanger
- Condenser with filter mesh

TECHNICAL SPECIFICATION

BASE MODEL	NOMINAL CAPACITY		ELECTRICAL CONNECTION	AIR CONNECTION	RATE POWER	OVERALL DIMENSION
	CFM	m ³ /hr	415V/3P/50HZ	IN/OUT	kW	mm
3GX 015	150	255	✓	1 ½" BSP(F)	1.4	660x615x795
3GX 020	200	340	✓	1 ½" BSP(F)	1.4	660x615x795
3GX 030	300	510	✓	2" BSP(F)	1.6	805x640x1005
3GX 040	400	680	✓	2" BSP(F)	2.6	805x640x1005
3GX 050	500	850	✓	2" BSP(F)	2.8	805x640x1005
3GX 060	600	1020	✓	2 ½" BSP(F)	4.5	1300x920x1570
3GX 075	750	1275	✓	3" NB FLG	4.7	1300x920x1570
3GX 100	1000	1700	✓	4" NB FLG	6.2	1300x920x1570
3GX 150	1500	2550	✓	4" NB FLG	9.8	1600x920x1840
3GX 200	2000	3400	✓	4" NB FLG	13.5	1600x920x1840
3GX 300	3000	5100	✓	6" NB FLG	19.6	1900x920x1840
3GX 400	4000	6800	✓	6" NB FLG	22	2450x1250x1995

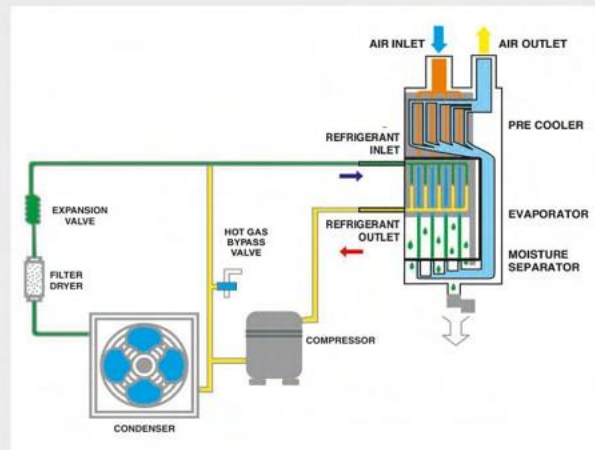
SPECIFICATION

Product Range	150-3000cfm
Working pressure range	7-16Kg/cm ² (g)
Air flow related to	20°C, 1bar
Max. Inlet temperature	45°C
Outlet temperature range	30-35°C
Pressure Dew point at outlet	2-4°C

3G-ROTARY



HIGH EFFICIENCY



FEATURES

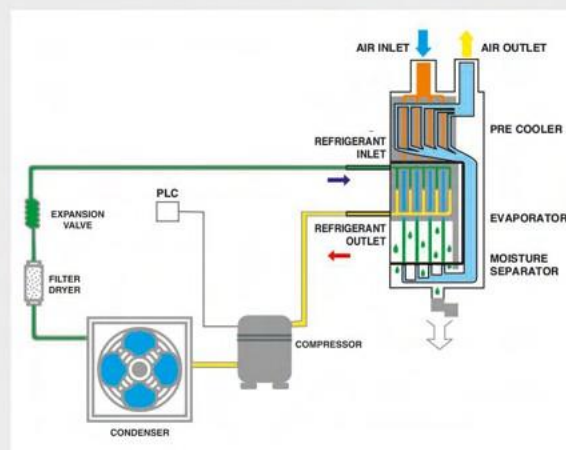
- High Efficiency plate type Heat Exchanger with inbuilt Moisture Separator
- Low Pressure Drop
- Weldless Frame with Condenser Mesh
- Sleek in Design and Low Power Consumption
- R410a Refrigerant Environmentally Friendly

TECHNICAL SPECIFICATION

BASE MODEL	DRYER CAPACITY		TYPE OF REFRIGERANT	RATED POWER kW	ELECTRICAL CONNECTION		IN/OUT CONNECTION	NET WEIGHT kg	OVERALL SIZE L x W x H mm
	CFM	m ³ /hr			220V/1P/50HZ	415V/3P/50HZ			
3GR 010	100	169	R410A	0.64	✓		1" BSP(F)	90	450 x 490 x 600
3GR 013	130	221		0.68	✓		1" BSP(F)	90	450 x 490 x 600
3GR 016	160	272		1.12	✓		1½" BSP(F)	110	670 x 615 x 850
3GR 020	200	340		1.14	✓		1½" BSP(F)	110	670 x 615 x 850
3GR 025	250	424		1.95	✓		2" BSP(F)	135	670 x 615 x 850
3GR 028	280	475		2.05	✓		2" BSP(F)	200	670 x 615 x 850
3GR 040	400	680		2.55		✓	2" BSP(F)	230	805 x 640 x 1005
3GR 050	500	850		2.83		✓	2" BSP(F)	230	805 x 640 x 1005
3GR 060	600	1020		2.93		✓	2½" BSP(F)	280	805 x 640 x 1190

SPECIFICATION

Inlet Pressure Range	7-16Kg/cm ² (g)
Inlet Temperature	35-45°C
Relative Humidity	100%
Ambient Temperature	20-40°C
Outlet Air Temperature Range	30-40°C
Design Pressure	17.6Kg/cm ² (g)
Hydraulic Pressure	26.4Kg/cm ² (g)
Pressure Dew Point at outlet	2-4°C
Atmospheric Dew Point at outlet	-20°C
Pressure Drop across the Dryer	0.2Kg/cm ² (g)
Design Code	IS 2825 Class III/IS:11989/ISO 7183
Control Circuit Rating	220 V/50 Hz



FEATURES

- PLC Controller
- Weld-less frame
- Compact Design
- Filter Mesh for Condenser
- Refrigerant R404,R407C
- Preset pressure switches for high pressure, low pressure and fan control

TECHNICAL SPECIFICATION

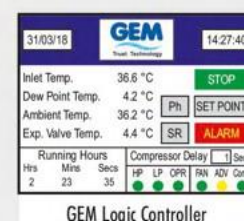
BASE MODEL	NOMINAL CAPACITY		ELECTRICAL CONNECTION	AIR CONNECTION	RATE POWER	OVERALL DIMENSION
	CFM	m ³ /hr				
3GD 015	150	255	✓	1 ½" BSP(F)	1.4	600x615x795
3GD 020	200	340	✓	1 ½" BSP(F)	1.4	600x615x795
3GD 030	300	510	✓	2" BSP(F)	1.6	805x640x1005
3GD 040	400	680	✓	2" BSP(F)	1.6	805x640x1005
3GD 050	500	850	✓	2" BSP(F)	2.8	805x640x1005
3GD 060	600	1020	✓	2 ½" BSP(F)	4.5	1300x920x1570
3GD 075	750	1275	✓	3" NB FLG	4.7	1300x920x1570
3GD 100	1000	1700	✓	3" NB FLG	6.2	1300x920x1570
3GD 150	1500	2550	✓	4" NB FLG	9.8	1600x920x1840
3GD 200	2000	3400	✓	4" NB FLG	13.5	1600x920x1840
3GD 300	3000	5100	✓	6" NB FLG	19.6	1900x920x1840

SPECIFICATION

Product Range	150-3000cfm
Working pressure range	7-16Kg/cm ² (g)
Air flow related to	20°C, 1bar
Max. Inlet temperature	45°C
Outlet temperature range	30-35°C
Pressure Dew point at outlet	2-4°C

PLC DIGITAL DISPLAY

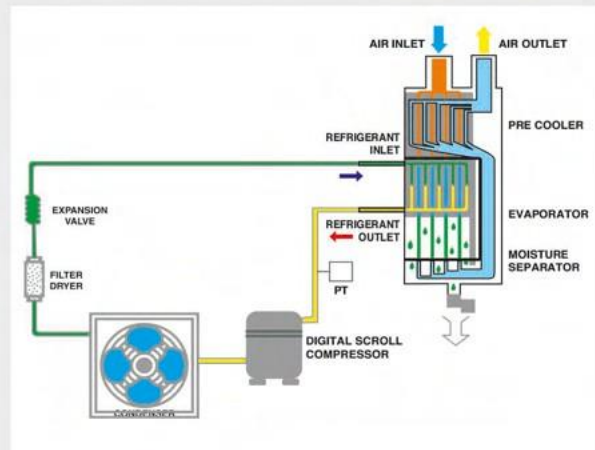
- Provides peace of mind through precise monitoring of pressure dew point



3GE (Digital)



ENERGY SAVING DIGITAL



FEATURES

- VFD - load efficiency
- Power Saving Rotary Compressor
- Automatic dew point controller
- High Efficiency Heat Exchanger
- Filter Mesh for Condenser

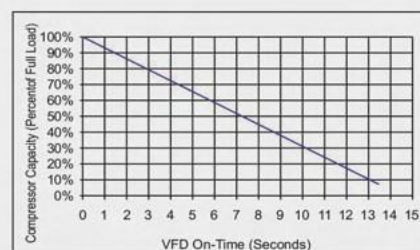
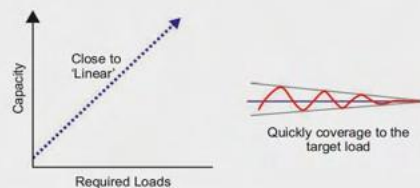
TECHNICAL SPECIFICATION

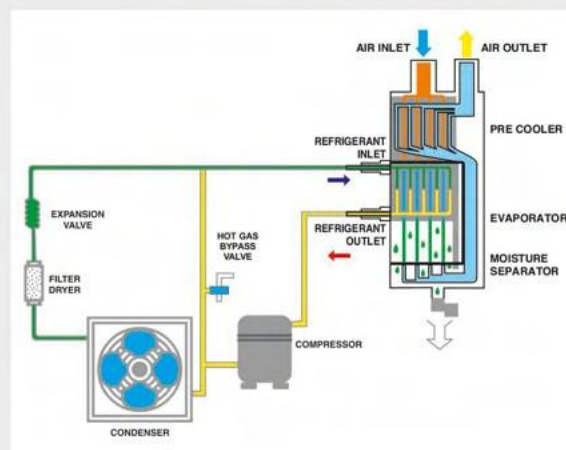
BASE MODEL	NOMINAL CAPACITY		ELECTRICAL CONNECTION	AIR CONNECTION	RATE POWER	OVERALL DIMENSION
	CFM	m ³ /hr				
3GE 075*	750	1275	✓	3" NB FLG	5	1300x920x1570
3GE 100*	1000	1700	✓	3" NB FLG	5.2	1300x920x1570
3GE 150**	1500	2550	✓	4" NB FLG	7.5	1600x920x1850
3GE 200**	2000	3400	✓	4" NB FLG	9.96	1600x920x1850
3GE 300**	3000	5100	✓	6" NB FLG	14.5	1900x920x1850

* Rotary Compressor

SPECIFICATION

Product Range	750-3000cfm
Working pressure range	7-16Kg/cm ² (g)
Air flow related to	20°C, 1bar
Max. Inlet temperature	45°C
Outlet temperature range	30-35°C
Pressure Dew point at outlet	2-4°C





FEATURES

- Dual Frequency 50/60 Hz
- Inlet/Outlet at Top
- Weldless Frame
- Export Model
- Compact Design
- Safe Refrigerant
- High Efficiency Heat Exchanger
- Condenser with filter mesh

TECHNICAL SPECIFICATION

BASE MODEL	NOMINAL CAPACITY				ELECTRICAL CONNECTION	AIR CONNECTION	RATE POWER (kW)		OVERALL DIMENSION
	50 Hz		60 Hz				50 Hz / 60 Hz	IN/OUT	
	CFM	m³/hr	CFM	m³/hr					
3GZ 002	20	34	22	37.4	180-242 V / 1 Phase	½" BSP(F)	0.25	0.29	350x480x490
3GZ 004	40	68	45	76.5		½" BSP(F)	0.35	0.43	350x480x490
3GZ 006	60	102	67	113.9		1" BSP(F)	0.45	0.57	350x480x490
3GZ 015	150	255	168	285.6	342-462 V / 3 Phase	1½" BSP(F)	1.81	2.13	660x615x795
3GZ 020	200	340	224	380.8		1½" BSP(F)	1.81	2.13	660x615x795
3GZ 030	300	510	336	571.2		2" BSP(F)	3.14	3.74	805x640x1005
3GZ 040	400	680	448	761.6		2" BSP(F)	3.40	3.40	805x640x1005
3GZ 050	500	850	560	952		2" BSP(F)	3.40	3.40	805x640x1005
3GZ 075	750	1275	840	1428	400-440 V / 3 Phase	3" NB FLG	6.43	6.45	1300x920x1570
3GZ 100	1000	1700	1120	1904		3" NB FLG	7.21	7.21	1300x920x1570

SPECIFICATION

Product Range	20-1000cfm
Electrical	Dual Frequency (50 & 60 Hz)
Working pressure range	7-16Kg/cm ² (g)
Air flow related to	20°C, 1bar
Max. Inlet temperature	45°C
Outlet temperature range	30-35°C
Pressure Dew point at outlet	2-4°C



REFRIGERATION AIR DRYER (RAD SERIES)

Shell and copper tube heat exchanger
Non-cyclic system with provision of hot gas bypass valve
HP, LP, WP overload safety trips
Low pressure applications



Air Cooled After Cooler (ACC Series)

Aluminium finned copper tube heat exchanger
Continuous duty motor with highly reliable fans
Most suitable for portable application



SUPER PACK DESICCANT AIR DRYER (SPD SERIES)

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



Water Cooled After Cooler (WAV/WAH Series)

Option of TEMA C / Std. Engg. practice design
Comparatively low power consumption
Less impact of ambient in the outlet temperature
Vertical and horizontal models available



DESICCANT AIR DRYER (HLD SERIES)

Designed for higher capacities as per ASME Sec VIII / IS: 2825
Inbuilt pre filter and after filter
Pressure gauges and safety valves on adsorber tower



Compressed Air Receiver (VAR Series)

Designed as per IS:7938
Hand and man holes provided as per code
Working pressure up to 40 bar
Shell / Dish as per ASME Sec VIII or IS:2825



DESICCANT AIR DRYER (HLN SERIES)

Corrosion resistant epoxy painting
Auto drain fitted in pre-filter
User friendly mimic panel
Sturdy box frame
Compact size



