

GRADIENT[®]

A Product of Mc Automation & Controls Pvt. Ltd.



Mc Automaton & Controls Pvt. Ltd.

Leveraging the power of technology to create a better world

Mc Automation & Controls Pvt. Ltd.

We are the ISO certified company existing since year 2009 and registered MSME manufacturer, providing quality products conforming to BIS & ISO Rules & Regulations.

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We're shaping the way we live, move, learn, and heal in modern Industries

REAL PROFIT, REAL IMPACT

Single and Double-Stage Compressor type refrigerated air dryer.

GRADIENT® offers refrigerated Air dryer with following specifications:-

1. Removing moistures from compressed air with a dew point as low as +3°C need to expand the life of equipment.
2. MACPL Dryers meet or exceed the international standards for compressed air purity according to ISO 7183:2007.
3. Easy installation and long maintenance intervals.
4. The FD ensures a low pressure drop of typically below 0.2 bar/2.9 psi and minimal energy consumption.
5. The control panel will display dew point digitally. Outlet Air Quality is according to ISO 8573-1, Table 3 Class 4.

TECHNICAL SPECIFICATIONS:-

MODEL	CAPACITY IN (CFM)	END CONNECTION	ELECTRICAL CONNECTION	Dimensions (mm)			REMARK
				A	B	C	
GRAD 20	20	1/2" BSP	1Ø 230V 50Hz	360	475	550	SUPPLY CONDITIONS, DEW POINT ADJUSTMENT AND ETC.* WILL BE PROVIDED AS PER REQUIREMENT AND MAXIMUM WORKING PRESSURE FOR ALL MODELS APT UPTO 13 KG/CM ² Max. Inlet Temperature 55°C, Max Ambient Temperature at 45°C and Dew point would vary from 3°C to 5°C.
GRAD 40	40	1/2" BSP		360	475	550	
GRAD 60	60	1" BSP		360	475	550	
GRAD 80	80	1" BSP		500	600	730	
GRAD 100	100	1-1/2" BSP		500	600	730	
GRAD 150	150	1-1/2" BSP		500	600	730	
GRAD 200	200	1-1/2" BSP		700	700	830	
GRAD 250	250	2" BSP		700	700	830	
GRAD 300	300	2" BSP	700	700	830		
GRAD 400	400	3" BSP	3Ø 415V 50Hz	900	900	1230	
GRAD 500	500	3" BSP		750	1000	1400	
GRAD 600	600	4" BSP		900	1200	1475	
GRAD 750	750	4" BSP		900	1200	1475	
GRAD 1000	1000	4" BSP		900	1200	1475	

*All technical parameters are customizable up to the allowable limits.

A WHOLE NEW WORLD OF OPPORTUNITY

Gradient® the product provides EEEE philosophy i.e. Effective-Efficient-Economical-Energy Efficient. That provides new entrepreneur and existing tycoons a reliable and high productive environment to grow and stabilize.

Salient Features:-

- Easy Installation & maintenance
- Compact, Economic & Efficient
- Low Wear & Tear
- More FAD at Competitive Price
- Un-Paralleled Versatility
- Automatic Start & Stop Operation
- Gradient make Evaporator
- 220V-1Ø & or 415V-3Ø @ 50 Hz
- DOL & Star-Delta-Starter
- Pressure Dew Point 3 °C
- Atmospheric Dew Point -22 °C
- Maximum inlet temperature 60 °C
- Automatic Drain Valve
- Maximum outlet temperature <10 °C

Special Features:-

- Low specific power consumption
- Maximum operating pressure 16 Kg/CM²
- Simple Back-Pressure relief valve for reducing initial torque on the motor
- Less noise level and ease of maintenance