



Internal Heater Compressed Air Dryer



This dryer provides an efficient, economical and easy to maintain method of drying compressed air and gases. The drying medium (Silica gel or Activated Alumina) is contained in two carbon steel pressure vessels.

While chamber I is drying, air is passed over an electrical heater embedded in chamber II and carries out the desorbed moisture of this chamber.

This type of system utilizes about 2-3% of the gas as a purge. It is an ideal system for gases requiring ultra low drying like dew points upto (-80°C). Each column remains in line for about 6 hours. For regeneration, the desiccant is heated for about 3 hours and then cooled for another 3 hours before changeover. The operation is fully automatic.

[See Photogallery](#)

MODEL NO.	CAPACITY		PIPE LINE SIZE mm	POWER CONSUMPTION KWH / DAY/	APROX. OVERALL DIMENSIONS		
	M ³ / HR	CFM			LENGTH mm	WIDTH mm	HEIGHT mm
IHR-01	80.5	50	25	14.40	1400	1400	1800
IHR-02	122.7	75	25	21.60	1500	1500	2000
IHR-03	163.0	100	25	32.4	1500	1500	2000
IHR-04	244.5	150	25	43.2	1600	1600	2000
IHR-05	326.0	200	40	64.0	1700	1700	2200
IHR-06	489.0	300	40	86.4	1800	1800	2400
IHR-07	652.0	400	50	110.0	2000	2000	2600
IHR-08	815.0	500	50	129.6	2200	2200	2600
IHR-09	978.0	600	50	172.8	2300	2300	2800
IHR-10	1222.0	750	65	194.4	2400	2400	2800
IHR-11	1630.0	1000	65	259.2	2500	2500	3200
IHR-12	2037.0	1250	80	302.4	2600	2600	3400
IHR-13	2445.0	1500	80	388.80	2800	2800	3400
IHR-14	3260.0	2000	100	518.4	2900	2900	3600
IHR-15	4075.0	2500	100	604.80	3000	3000	4000

The above capacities are rated at an inlet temp. of 40°C., 7kg/ Cm² Pr. (0.7 Mpa) and at an outlet dew point of (-) 40°C. at Atm. Pressure, Supply Voltage of 220 V-1 PH- 50 HZ or 415V-3PH-50 Hz.

Above data is only for estimation and can be changed without notice. For special systems and higher capacities contact us.

For cost comparison of operating of a Heat of Compression Type Air Dryers Vs. Heated Type/Heatless/Refrigerated Type Air Dryers please [click here](#).

OUR PRODUCT RANGES

Air / Gas Dryers	Refrigerated Equipments	Other Products
Heatless Compressed Air Dryer	Air Cooled Water Chillers	Hot Air Blowing Equipment / Air Heaters
Refrigerated Air Dryer	Water Cooled Chillers	Solvent / Liquid Dryer
High Pressure Air/Gas Dryer	Screw Chillers / Chilling Plants	
Blower Heat Regenerated Air Dryer (BHR)	Walk in Coolers / Cold Rooms Units	
Internal Heater Dryer (IHR)	Refrigerant Recovery System	
Heat of Compression Air Dryer (HOC)		
Split Flow-No Purge Loss Air Dryer (SFNL)		
	Storage Systems	
		Onsite Gas Generators
		PSA Nitrogen Gas Generator
		PSA Oxygen Gas Generator

Custom Made Air Dryer

Packaged Mobile Dry Air Plant

Pressure Regulating Stations **NEW**

Hydrogen Gas Dryer **NEW**

Instrument Air Quality Standard **NEW**

Liquid CO2 Storage Tanks

LPG Storage Systems

CO2 Recovery Plant **NEW**

CO2 Vaporiser **NEW**

Spare Parts

Spare part for Air Dryer

Air Receiver Tank For Compressed Air

Auto Drain Trap

Dew Point Apparatus

Spare Parts for PSA Nitrogen Gas Generator

 [view the printable version for this page](#)

[Photo Gallery](#) | [Product Profile](#) | [Corporate Info](#) | [Exhibitions](#) | [Customers](#) | [Approvals](#) | [Careers](#)
[Wanted Dealers / Distributors / Resellers](#)

B - 297, Okhla Industrial Area, Phase - I , New Delhi - 110020 , India

Phone : +91-11-26816103, 26811727, 26816530

Fax: +91-11-26816573

Mellcon Engineers pvt Ltd.

All Rights Reserved Mellcon Engineers Pvt Ltd.