

## Internal Heater 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.



MODEL NO.	CAPACITY		PIPE LINE SIZE mm	POWER CONSUMPTION KWH / DAY/	APROX. OVERALL DIMENSIONS		
	M <sup>3</sup> / HR	CFM			LENGHT 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/ Cm<sup>2</sup> Pr. 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.