

Water Chilling Plant



Air Dryer

Working to processing unit Air Dryer :

Saturated compressed air enters to the air to air heat exchanger. Where it is pre cooled by out cold dry air highly effective pre cooler reduces the temperature considerably and enables to use smaller & economical refrigeration system. Then the pre cooled relatively low temperature compressed air enters air to refrigerant heat exchanger, where it is cooled down to +3 c (pressure Dew point). At this temperature, moisture in vapour form condensed to liquid form and separated from the compressed air by moisture separator and discharged to drain port through automatic drain valve. The cold dry compressed air passes back to air to air heat exchanger and gain temperature by exchanging heat with incoming warm air. The dry air coming out from the dryer is ready to use for instrumentation and process air applications.

USE THE APPLICATIONS :

Automobile, Packing, Cement, Paper, Breweries & Distilleries, Pinting, CNC Machining, CMM Machines, Chemical, Food Processing Foundry, General Instrumentation, Hospital, Pharmaceutical, Power, Plants, ect.

TECHNICAL DATA :

Model No.	Capacity CFM	Current (AMP)	Air Connections BSP		Power Supply	Condenser Type	Dimension in (INCH)			Approx. Weight (Kgs.)
			Inlet	Outlet			L	W	H	
DI-20	20 CFM	1.7	0.5 bsp	0.5 bsp	230v/1ph/50hz	Air	22	17	23	35
DI-40	40 CFM	2.3	0.5 bsp	0.5 bsp	230v/1ph/50hz	Air	24	19	27	45
DI-80	80 CFM	4.8	1.0 bsp	1.0 bsp	230v/1ph/50hz	Air	29	23	31	70
DI-100	100 CFM	4.9	1.0 bsp	1.0 bsp	230v/1ph/50hz	Air	29	23	31	80
DI-150	150 CFM	6.8	1.0 bsp	1.0 bsp	230v/1ph/50hz	Air	34	25	34	125
DI-200	200 CFM	8.0	1.5 bsp	1.5 bsp	230v/1ph/50hz	Air	38	28	38	150
DI-250	250 CFM	8.0	1.5 bsp	1.5 bsp	230v/1ph/50hz	Air	38	28	38	175
DI-300	300 CFM	11.0	1.5 bsp	1.5 bsp	230v/1ph/50hz	Air	38	28	38	200

Salient Features :

- CFC free Eco- friendly refrigerant.
- Constant dew point at all varying load
- Lower power consumption
- Built with necessary protectors for electrical & refrigeration systems
- Most modern refrigeration system components and pressure switches.
- Automatic, maintenance free and user friendly
- Compact design

Refrigerated Air Dry





Water Chilling Plant

Model No.	Cooling Capacity	Pump Power Rating	Tank Capacity	Power Supply	Water Connections		Dimension in (INCH)		
					Inlet	Outlet	L	W	H
DI-100	1 TR	0.25 HP	25 Liters	230v/1ph/50hz	0.5	0.5	29	23	31
DI-200	2 TR	0.5 HP	80 Liters	230v/1ph/50hz or 415v/3ph/50hz	1.0	1.0	30	24	53
DI-300	3 TR	0.5 HP	100 Liters	415v/3ph/50hz with natural	1.0	1.0	37	30	57
DI-500	5 TR	0.5 HP	180 Liters	415v/3ph/50hz with natural	1.0	1.0	55	42	53
DI-700	7.5 TR	1.0 HP	230 Liters	415v/3ph/50hz with natural	1.5	1.5	50	56	48
DI-1000	10 TR	2.0 HP	260 Liters	415v/3ph/50hz with natural	2.0	2.0	Any Requirement Making		

Specification :

➤ Compressor Make	:	Emerson Climate or Danfoss
➤ Compressor Type	:	Hermetic, Scroll
➤ Condenser	:	Air cooled type, shell and tube type
➤ Cooling Unit	:	Copper pipe coil in tank type, shell and tube in type, PHE type
➤ Refrigerant	:	R22 or R407
➤ Electrical Items	:	Standard company material use like, L&T, Minilec, Schneider, Sub-zero.

Salient Features:

1. Chillers are skid mounted, compact & ready to install.
2. It comes as fully automatic with controls from tried & reputed sources.
3. Shell & tube or air cooled exchangers ensure constant & quick cooling effects.
4. Liberally size high efficiency shell and tube and air cooled condenser with fun.
5. Water chillers are tailor made to any different working parameters.
6. High pressure & high volume pumps for round the meter operations.
7. 304 stainless steel storage tank with insulation.
8. Touching Digital temperature controller and temperature controlling.



About Us

We “Darshan Industries” have gained recognition in the field of Manufacturing and Supplying the best class Refrigerated Air Dryer and Water Chilling Plant. Since our beginning in the year 2005 at Ahmedabad (Gujarat, India) we have constructed a large and ultramodern infrastructural unit that assist us in the making of the best class industrial products as per the global set norms. We have further categorized this unit into diverse sub units such as procurement, quality testing, R & D, sales, admin, production, marketing, warehousing, transportation, logistics, etc. All these divisions are armed with essential amenities and managed under the supervision of competent and veteran professionals. In addition to this, due to our flexible payment modes, reasonable rates, positive records, transparent business dealings, client-centric approach and excellent logistic facility, we have achieved huge success in this domain. We also provide Chilling Plant Fabrication Service to our client.

As a quality centric organization, we assure our clients that these industrial products are manufactured with high precision using high grade components and sophisticated technology. The offered industrial products are highly acknowledged for high efficiency, low maintenance, smooth operation, long service life, hassle-free functionality and easy installation. By offering highly reliable industrial products in the market, we have reached at the peak of success in national market. Provided industrial products are also rigorously checked on numerous parameters in order to provide flawless range to the clients. Apart from this, to store these industrial products in an organized manner, we have also developed a large and well equipped warehouse that is handled by our storekeepers.



Add. : A-27, Neelkanth Arcade, Near Bank of Baroda,
Road No.15, Kathwada, G.I.D.C., Ahmedabad.
Email : darshan.chilling@gmail.com
Web : www.darshanchilling.com
Mob. : +91-98790 29300