

## High-Inlet Temperature Refrigerated Air Dryer



### Application:

The DRA series high inlet temperature refrigerated air dryers is based on latest technology. These air dryers are designed and developed in compliance with the industry trends, these air dryers are designed as the for air-cooled reciprocating type air compressors, which combines an oversized refrigerated circuit, high- efficiency heat exchangers and air-water separator

The DRA series refrigerated air dryers can accept compressed air up to 85°C and provide clean dry air at the outlet. They have been designed specifically for use with smaller reciprocating air compressors that typically do not incorporate an aftercooler. The DRA series are stringently checked before delivering to clients

### Features:

1. Excellent heat exchangers realize the complete heat transfer of high temperature air at inlet and low temperature air at outlet, reducing compressor work load, Reducing power and energy consumption
2. Highly efficient moisture separation, excellent heat transfer coefficients and low pressure drop.
3. Multi-stages moisture separators adopts advanced scroll technology, increasing time of heat exchange.
4. Vertical heat exchangers, moisture separator integrated in heat exchanger prevents “Sweating” of pipes, space-saving compact design.
5. The built-in stainless steel mist eliminator and a quiet zone prevent re-entrainment of collected condensation, ensure precise dew point at any load
6. No air-cooled aftercooler required for compressor, environmentally friendly refrigerant
7. Copper brazed stainless steel multi-plate or aluminum block heat exchangers, heavy duty industrial powder coated steel cabinet with access panel,
8. Reliable and constant dew-point performance in all flow conditions, protecting your compressed air system, machinery and tools; and will improve your manufacturing processes.



### Technical parameter:

Working pressure	5 -10 bar	Average process air use	1%
Pressure Dew point	-40°C~ -70°C	Temperature of inlet air	≤45°C
Switchover	2-8hr	Ambient Air Temperature	≤45°C
Pressure drop	≤ 0.2 bar	Oil content in inlet air	<0.1mg/m3

Control method	PLC	Protection grade	IP65
Desiccant	activated alumina and molecular sieve	Power supply	380V,50HZ,3Phase ( or Customized )

### Model Specification:

Model	Capacity (Nm <sup>3</sup> /min)	Connection (mm)	Heater (kW)	Blower (KW)	Weight (kg)	Dimensions (mm)		
						L	W	H
DRA-13	14.5	2"	4	2.2	1100	1600	1350	2250
DRA-15	17	DN80	6	2.2	1300	1700	1550	2500
DRA-20	23	DN80	7.5	3.3	1550	2000	1650	2500
DRA-30	35	DN80	10	4.0	2100	2200	1800	2500
DRA-40	45	DN100	12.5	5.7	2600	2500	1950	2850
DRA-50	55	DN100	16	7.5	3300	2700	2200	2850
DRA-60	65	DN125	20	11	4150	2900	2350	3300
DRA-80	80	DN125	24	15	5600	3100	2500	3300
DRA-90	90	DN125	27	15	6300	3250	2500	3300
DRA-100	110	DN150	32.5	20	7700	3400	2600	3450
DRA-120	140	DN150	42.5	25	8900	3600	2600	3450
DRA-150	160	DN150	43	30	11300	3800	2900	3450
DRA-200	210	DN200	68	40	14700	4200	3200	3650
DRA-250	260	DN200	73	50	16500	4400	3300	3650