



EcoDri-R Series

Refrigeration Dryers



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EcoDri-R Series

Industrial Air Filtration



Introduction

The Parker EcoDri-R series of refrigerated dryers is the perfect solution for efficient removal of water vapour from compressed air and combines quality and efficiency in a reliable design with the smallest impact on the environment and on the operating costs.

Developed around a state-of-the-art design EcoDri-R series provides air quality with unrivalled running costs.

The refrigerant circuit absorbs lower power and uses less refrigerant charges than other comparable dryer, making EcoDri-R range in the market with the lowest running costs and the smallest impact on the environment.



Product Specification

- Large condenser for high ambient temperatures
- Anti-recycle feature for compressor protection
- Low pressure drop across advanced heat exchangers saves energy
- The dryers have been designed for nominal standard inlet conditions as per ISO 7183 - 2007
- Dryer quality class - ISO 8573 - 1 : 2010 (E) class - 5 -

Benefits

- The range with the lowest Carbon Footprint on the market
- Low running costs and absorbed power in this range
- High efficiency all-in-one Aluminum Heat Exchanger
- Minimum refrigerant charges
- Compact dimensions



Dryer Specification

Brand	Part No	Capacity in Cfm	Pressure	Inlet /Ambient Temperature	Dewpoint	End Connection BSP	Dimensions (MM) H X W X D	Power Consumption (Kw)
EcoDri-R 20	PIAR94	20	7 Bar	45 Deg C/38 Deg C	+3 to +7 Deg	3/4"	506x502x202	0.32
EcoDri-R 40	PIAR188	40				1"	525x425x475	0.37
EcoDri-R 60	PIAR283	60				1"	525x425x475	0.37
EcoDri-R 100	PIAR471	100				1"	675x485x525	0.85
EcoDri-R 150	PIAR707	150				1 1/2"	860x670x700	1.02
EcoDri-R 250	PIAR1179	250				1 1/2"	860x670x700	1.7
EcoDri-R 300	PIAR1415	300				2"	1275x850x800	1.42
EcoDri-R 500	PIAR2359	500				2"	1275x850x800	1.95

Note:

1) All models have air-cooled condenser as the default option. Water cooled option available on request.

2) Refrigerants :

- R134a : EcoDri -R 20 to 150 & 300 to 500
- R407c : EcoDri -R 250

3) Visual Indicator :

- EcoDri-R 20 : Wheel type indicator
- EcoDri-R 40 to 500 : LED display controller

Correction Factor

Air inlet temperature °C	30	38	45	50	55	60
Correction factor (Ti)	1.14	1.08	1	0.75	0.63	0.5
Ambient temperature °C	25	30	38	43		
Correction factor (Ta)	1.36	1.18	1	0.86		
Inlet pressure Kg/cm2	3	5	7	9	12	
Correction factor (Pi)	0.6	0.84	1	1.11	1.21	

Key Markets

Industrial and general air applications requiring a dew point not lower than 3 °C. E.g.:

- Manufacturing
- Automotive
- Textile, Wood, Glass industry
- Surface treatment
- Materials handling
- Material forming
- Mining



Contact Us:-



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