

Ozen Refrigerated
Air Drying Systems

ODRD-P High Pressure
Refrigerated Air Dryers

ODRD-P Series High Pressure Refrigerated Air Dryers



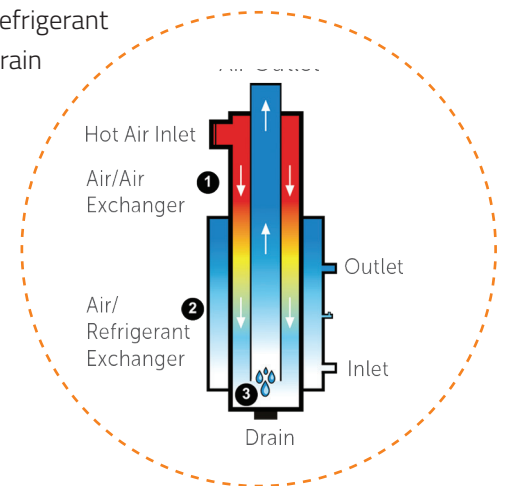
ODRD-P (15-1700 scfm)



← HIGH PRESSURE 580 PSI

Standard 3 IN 1 Mono block Steel Heat Exchanger

- Compressed Air
- Refrigerant
- Drain



Fin Exchanger

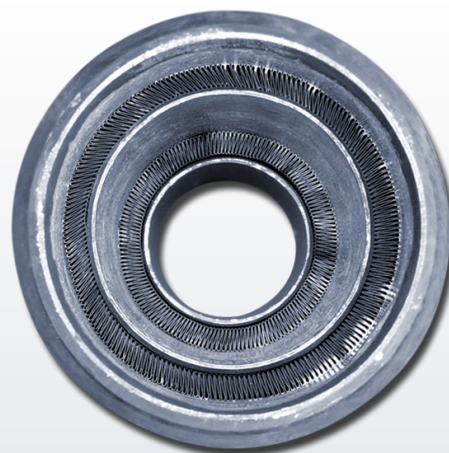
- High surface of exchange from 10 to 20 times larger than the competition
- Direct transfer of the cold from the refrigerant to the compressed air
- No exterior connection between economizer and separator
- Strong and robust built heat exchanger
- Special anti-corrosion treatment
- Perfect thermal insulation
- Small volume of refrigerant

The Separator Efficiency

- Double centrifugation due to the bottom fin
- Reserved direction for the compressed air
- Gravity effect to the condensed water
- Special anti-return system
- Separator integrated to the system

Frigorific Circuit

- Two valve regulation system (thermal and by-pass), allowing to fill properly the exchanger and giving then a max. temperature to the exchanger
- High quality security test of potential leakage
- Use of Tecumseh hermetic compressor as standard
- High quality, long lasting components
- Quick start and reaction time



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Technical Specifications

Model	Capacity	Voltage	Coupling Size	Filter Type	Replacement Filter Type
	scfm	V			
ODRD-P-25	25	115/1/60	3/4"	OFLHG - 42P/X/Y/A	OFLHGe-42P/X/Y/A
		230/1/60			
ODRD-P-40	40	115/1/60	3/4"	OFLHG - 42P/X/Y/A	OFLHGe-42P/X/Y/A
		230/1/60			
ODRD-P-70	70	115/1/60	3/4"	OFLHG - 125P/X/Y/A	OFLHGe-125P/X/Y/A
		230/1/60			
ODRD-P-100	100	115/1/60	3/4"	OFLHG - 125P/X/Y/A	OFLHGe-125P/X/Y/A
		230/1/60			
ODRD-P-140	140	115/1/60	1 1/4"	OFLHG - 250P/X/Y/A	OFLHGe-250P/X/Y/A
		230/1/60			
ODRD-P-190	190	115/1/60	1 1/4"	OFLHG - 250P/X/Y/A	OFLHGe-250P/X/Y/A
		230/1/60			
ODRD-P-235	235	115/1/60	1 1/4"	OFLHG - 250P/X/Y/A	OFLHGe-250P/X/Y/A
		230/1/60			
ODRD-P-270	270	230/1/60	1 1/4"	OFLHG - 350P/X/Y/A	OFLHGe-350P/X/Y/A
		230/3/60 & 460/3/60			
ODRD-P-350	350	230/1/60	1 1/4"	OFLHG - 350P/X/Y/A	OFLHGe-350P/X/Y/A
		230/3/60 & 460/3/60			
ODRD-P-425	425	230/1/60	1 1/4"	OFLHG - 500P/X/Y/A	OFLHGe-500P/X/Y/A
		230/3/60 & 460/3/60			
ODRD-P-470	470	230/1/60	2"	OFLHG - 500P/X/Y/A	OFLHGe-500P/X/Y/A
		230/3/60 & 460/3/60		Water Condanser	ODRD-P-470W
ODRD-P-550	550	230/1/60	2"	OFLHG - 940P/X/Y/A	OFLHGe-940P/X/Y/A
		230/3/60 & 460/3/60		Water Condanser	ODRD-P-550W
ODRD-P-700	700	230/1/60	2"	OFLHG - 940P/X/Y/A	OFLHGe-940P/X/Y/A
		230/3/60 & 460/3/60		Water Condanser	ODRD-P-700W
ODRD-P-750	750	460/3/60	2"	OFLHG - 940P/X/Y/A	OFLHGe-940P/X/Y/A
				Water Condanser	ODRD-P-750W
ODRD-P-850	850	460/3/60	2"	OFLHG - 940P/X/Y/A	OFLHGe-940P/X/Y/A
				Water Condanser	ODRD-P-850W
ODRD-P-1000	1000	460/3/60	2 1/2"	OFLHG - 1470P/X/Y/A	OFLHGe-1470P/X/Y/A
				Water Condanser	ODRD-P-1000W
ODRD-P-1200	1200	460/3/60	2 1/2"	OFLHG - 1470P/X/Y/A	OFLHGe-1470P/X/Y/A
				Water Condanser	ODRD-P-1200W
ODRD-P-1300	1300	460/3/60	2 1/2"	OFLHG - 1470P/X/Y/A	OFLHGe-1470P/X/Y/A
				Water Condanser	ODRD-P-1300W
ODRD-P-1400	1400	460/3/60	2 1/2"	OFLHG - 1765P/X/Y/A	OFLHGe-1765P/X/Y/A
				Water Condanser	ODRD-P-1400W
ODRD-P-1500	1500	460/3/60	2 1/2"	OFLHG - 1765P/X/Y/A	OFLHGe-1765P/X/Y/A
				Water Condanser	ODRD-P-1500W
ODRD-P-1700	1700	460/3/60	2 1/2"	included	OFLHGe-1765P/X/Y/A
				Water Condanser	ODRD-P-1700W

CORRECTION FACTORS FOR ODRD DRYERS							
Inlet Temperature (°F)	80	85	90	95	100	110	120
X1	1.25	1.20	1.14	1.08	1.00	0.75	0.60
Ambient Temperature (°F)	60	70	80	90	100	110	115
X2	1.12	1.10	1.08	1.06	1.00	0.90	0.80
Pressure (psi)	290	360	435	505	580	650	-
X3	0.84	0.90	0.94	0.96	1.00	1.02	-

- Different voltage options are available.