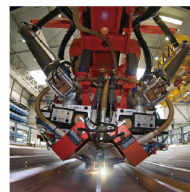
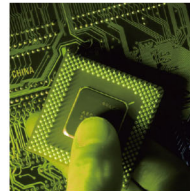
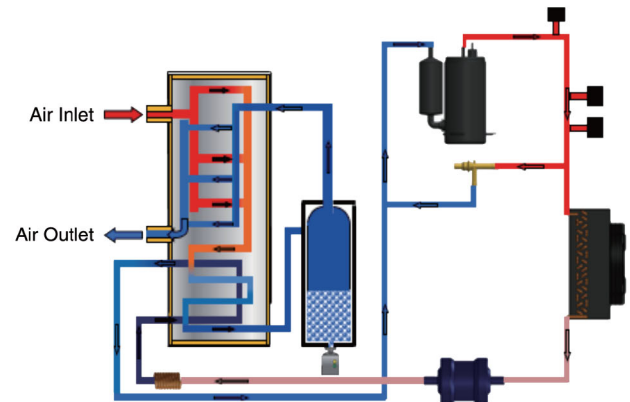
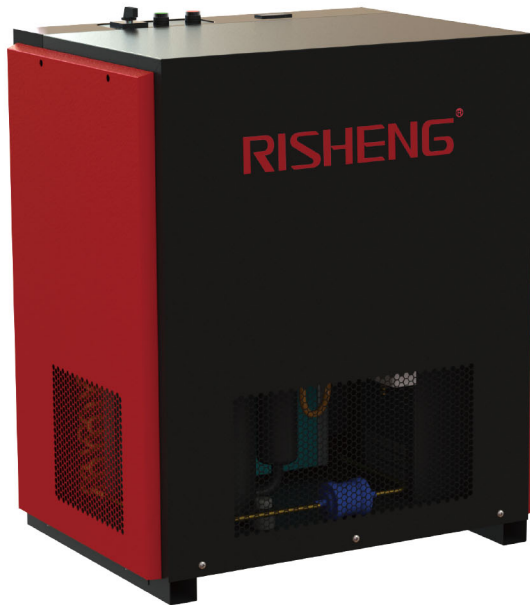


## PD Series Refrigeration Compressed Air Dryer



### Technical Features

- With high quality components dryer was proven robust and very good performance.
- Pre-cooler, evaporator and water separator are following all-in-one modular structure design.
- Aluminum heat exchanger are treated to be highly corrosion-resistant which protects cleaned gas from secondary pollution.
- Simple and secure refrigeration circuits which do not require adjustment during operation and undergo vigorous quality testing in production.

All PD series dryers have passed latest CE safety certification.



- High efficiency plate-fin heat exchanger enables temperature difference between inlet and outlet to maintain in the range of 8-10°C, which not only ensures the low outlet relative humidity, but also avoids condensation at the outlet.
- Pre-cooler recycles almost 90% of cooling energy, as a result, evaporator load is effectively reduced and system energy consumption of refrigerant air dryer is greatly lowered.
- High efficiency water separator ensures excellent PDP.
- PD features exclusive (from model 200), offering energy savings of up to 20% compared to other systems. Totally resistant to liquid refrigerant returns and with 50% less moving parts than other models, these compressors are extremely reliable.

## PD Series Refrigeration Compressed Air Dryer

### Technical Specifications

Model	Air Connection	Capacity		Dimension mm			Weight kg	Recommended Pre-Filter Model	Recommended After-Filter Model
		m³/min	CFM	L	W	H			
RSLF-60-PD	Rc1-1/2"	6.5	230	750	592	913	78	RSG-AO-0145G/V2	RSG-AA-0145G/V2
RSLF-80-PD	Rc1-1/2"	8.8	311	750	592	913	80	RSG-AO-0145G/V2	RSG-AA-0145G/V2
RSLF-100-PD	Rc1-1/2"	11	388	750	592	913	85	RSG-AO-0220G/V2	RSG-AA-0220G/V2
RSLF-120-PD	Rc2"	13	459	1000	710	1030	130	RSG-AO-0220G/V2	RSG-AA-0220G/V2
RSLF-150-PD	Rc2"	17	600	1000	710	1030	140	RSG-AO-0330G/V2	RSG-AA-0330G/V2
RSLF-200-PD	Rc2"	22	777	1000	710	1030	150	RSG-AO-0330G/V2	RSG-AA-0330G/V2
RSLF-250-PD	Rc2-1/2"	27	953	1000	820	1600	250	RSG-AO-0430G/V2	RSG-AA-0430G/V2
RSLF-300-PD	Rc2-1/2"	33	1165	1000	820	1600	260	RSG-AO-0620G/V2	RSG-AA-0620G/V2
RSLF-350-PD	Rc2-1/2"	37	1306	1000	820	1600	270	RSG-AO-0620G/V2	RSG-AA-0620G/V2
RSLF-400-PD	DN100	45	1589	1250	1120	1750	500	RSG-AO-0830F/V2	RSG-AA-0830F/V2
RSLF-500-PD	DN100	55	1942	1250	1120	1750	510	RSG-AO-0830F/V2	RSG-AA-0830F/V2
RSLF-600-PD	DN100	65	2295	1250	1120	1750	550	RSG-AO-1000F/V2	RSG-AA-1000F/V2
RSLF-700-PD	DN125	73	2578	1250	1120	1750	580	RSG-AO-1200F/V2	RSG-AA-1200F/V2
RSLF-800-PD	DN150	80	2825	2000	1460	1770	800	RSG-AO-1300F/V2	RSG-AA-1300F/V2
RSLF-900-PD	DN150	90	3178	2000	1460	1770	810	RSG-AO-1950F/V2	RSG-AA-1950F/V2
RSLF-1000-PD	DN150	100	3531	2000	1460	1770	850	RSG-AO-1950F/V2	RSG-AA-1950F/V2
RSLF-1200-PD	DN150	120	4237	2000	1460	1770	870	RSG-AO-1950F/V2	RSG-AA-1950F/V2
RSLF-1500-PD	DN200	150	5297	2135	1225	1800	1150	RSG-AO-2500F/V2	RSG-AA-2500F/V2
RSLF-1800-PD	DN200	180	6356	2335	1225	1800	1350	RSG-AO-3250F/V2	RSG-AA-3250F/V2

#### Rated Conditions

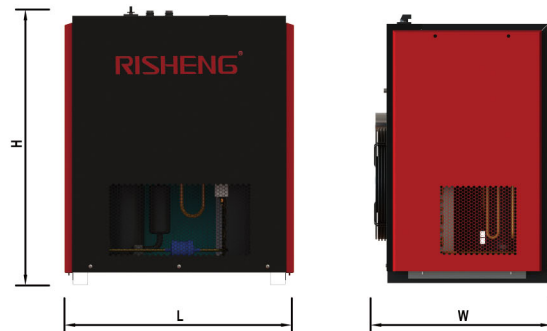
Working pressure : 0.7MPag / 100psig  
 Inlet temp : 38°C / 100°F  
 Ambient temp : 38°C / 100°F  
 Cooling water temperature : 32°C / 90°F

#### Available Options

·Higher working pressure ·Different power supply  
 ·Zero loss drain ·Cooling water version from 120 to 1800

#### Working Range

Max. working pressure : 1.5MPag / 218psig  
 Max. inlet temperature : 60°C / 140°F  
 Max. ambient temperature : 50°C / 122°F  
 Min. ambient temperature : 5°C / 41°F  
 Max. cooling water temperature : 40°C / 104°F



### Correction Factors

Actual Capacity ( m³/min ) = Nominal Capacity x KA x KB x KC ( or KC' )

Working Pressure (KA)	Mpag	0.3	0.4	0.5	0.6	0.7	0.8	0.9
	psig	44	58	73	87	102	116	131
	CFP	0.76	0.86	0.92	0.93	1.00	1.04	1.08
	Mpag	1.0	1.1	1.2	1.3	1.4	1.5	
	psig	145	160	174	189	203	218	
	CFP	1.11	1.15	1.18	1.22	1.25	1.28	

Inlet Temperature (KB)	°C	35	38	40	46	49	54	60
	°F	95	100	104	115	120	129	140
	CFT	1.11	1.00	0.92	0.76	0.69	0.56	0.46

Ambient Temperature (KC)	°C	25	30	35	38	40	45	50
	°F	77	86	95	100	104	113	122
	CFT	1.15	1.10	1.02	1.00	0.89	0.79	0.69

Cooling Water Temperature (KC')	°C	20	25	32	35	40	KC for Air Cooling KC' for Water Cooling
	°F	68	77	90	95	104	
	CFT	1.17	1.09	1.00	0.92	0.84	