

**MODELS**  
**RD 0020 TO RD 2000**

- 20 SCFM to 2000 SCFM  
1/2" to 4" units
- Energy efficient cycling control system  
saves 30-80% over a non-cycling dryer
- Cycling prevents freezing of the heat exchanger  
during off peak operation
- Unit maintains a constant 38°F Dew Point at the  
outlet, despite inlet flow and temperature  
variations
- Accepts Inlet air temperatures up to 158°F and inlet  
pressures up to 230 PSI
- Compact design minimizes floor space needed to  
install dryer

**FEATURES:**

- ✓ Cycling Dryer For Energy Efficiency
- ✓ FTP Bulkhead Air Pipe Fittings
- ✓ On/Off Switch with Multi-Function Display
- ✓ Microprocessor Based Controller
- ✓ Automatic Timer Drain,  
*(with manual override)*

**BENEFITS:**

- ✓ Air is a constant 38° F Dew Point at dryer
- ✓ Constant quality of drier air to your system
- ✓ Compact size, for an easy fit
- ✓ Low maintenance, long life design

**APPLICATIONS:**

Entire shop/factory application for the elimination of water in compressed air.  
Must be used in applications where temperatures are above freezing.

**SPECIFICATIONS:**

- |   |                              |
|---|------------------------------|
| ✗ 20 -2000 SCFM capacity<br><i>(depends on model)</i> | ✗ Port sizes from 1/2" to 4" |
| ✗ Maximum work 230 psig                               | ✗ Maximum Temp. 158° F       |
|   | ✗ Pressure Dew Point 38°F    |

Model RD	Air Flow (1)	Nominal absorbed power (2)	Maximum absorbed	Power Supply V / Ph / Hz				Air Connection	Overall Dimensions (4) (inches)							Net Weight (4) lbs.
				115/1/60	230/1/60	230/3/60	430/3/60		A	B	C	D	E	F	G	
0020	20	0.26	0.42	x				1/2"	20.90	11.80	20.10	4.10	2.36	6.50	3.50	80
0030	30	0.26	0.42	x	•			1/2"	20.90	11.80	20.10	2.65	15.75	8.90	3.50	86
0050	50	0.36	0.53	x	•			1/2"	20.90	11.80	20.10	2.65	15.75	8.90	3.50	91
0075	75	0.50	0.60	x	•			3/4"	25.60	14.60	29.50	3.95	18.74	14.20	3.90	143
0100	100	0.64	0.70	x	x			3/4"	25.60	14.60	29.50	3.95	18.74	14.20	3.90	148
0125	125	0.97	1.10	x	x			1"	25.60	14.60	29.50	3.95	18.74	14.20	3.90	176
0150	150	0.92	1.10	x	x			1"	30.70	14.60	33.50	8.20	18.74	14.20	3.90	209
0175	175	1.11	1.30	x	x			1"	30.70	14.60	33.50	8.40	19.60	14.20	3.90	227
0200	200	1.30	1.70		x	x	x	1 1/2"	30.70	28.90	37.00	3.30	23.90	17.60	4.80	368
0250	250	1.32	1.70		x	x	x	1 1/2"	30.70	28.90	37.00	3.30	23.90	17.60	4.80	368
0325	325	2.07	3.07		x	•	x	1 1/2"	30.70	28.90	37.00	3.30	23.90	17.60	4.80	416
0425	425	2.82	3.80			x	x	2"	34.00	40.00	43.30	4.00	25.80	17.50	5.10	582
0520	520	3.28	4.60			•	x	2"	34.00	40.00	43.30	4.00	25.80	17.50	5.10	646
0600	600	3.49	4.60			•	x	2 1/2"	34.00	51.90	43.30	4.00	25.80	17.50	5.10	833
0700	700	3.64	4.90			•	x	2 1/2"	34.00	51.90	43.30	4.00	25.80	17.50	5.10	866
0800	800	4.28	6.20			•	x	2 1/2"	34.00	51.90	43.30	4.00	25.80	17.50	5.10	866
1000	1000	5.09	7.60			•	x	3"	37.90	62.60	61.70	6.00	25.80	43.30	7.10	1598
1220	1220	6.48	8.20			•	x	4"	37.90	71.30	61.70	6.00	25.80	43.30	7.10	1907
1600	1600	8.55	10.60			•	x	4"	34.10	88.00	81.70	10.20	13.70	70.10	6.30	2513
2000	2000	10.75	13.60			•	x	4"	34.10	88.00	81.70	10.20	13.70	70.10	6.30	3064

**Maximum operating ambient temperature:** RD 0020 – RD 1220: 115°F. RD 1600 – RD 2000: 110°F. Consult RTi for application with higher ambient temperature.

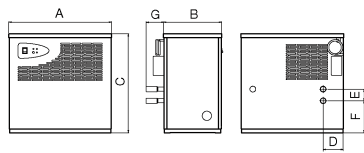
**Minimum operating ambient temperature:** RD 0020 – RD 2000: 41°F. **Maximum inlet air pressure:** 232 psig. Consult RTi for application with higher pressure.

**Maximum inlet air temperature:** RD 0020 – RD 1220: 158°F. RD 1600 – RD 2000: 149°F.

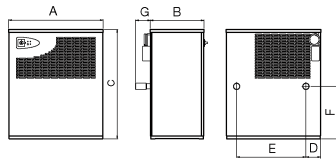
A model selection, sizing and energy savings calculating software is available to properly select a dryer based on your specific operating parameters. Use the correction factors listed below only as a guide and quick reference.

**CAPACITY correction factors (indicative values):** CAPACITY (scfm) = RATED VALUE x P1 x T2 x T3 x T4.

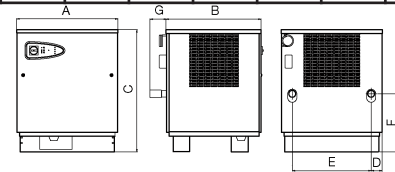
WORKING AIR PRESSURE	PSIG	50	75	100	125	150	232	DEW POINT	°F	38	40	45	50	
		P1	0.77	0.90	1.00	1.07	1.12			1.23	T2	0.77	0.90	1.00
AMBIENT TEMP	°F	90	100	110	115	WORKING INLET AIR TEMP	°F	90	100	110	120	130	149	158
		T3	1.07	1.00	0.93			0.88	T4	1.23	1.00	0.81	0.68	0.61



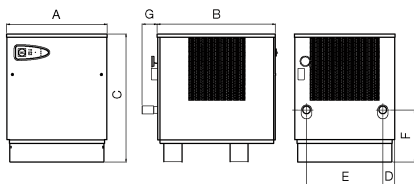
RD 0020



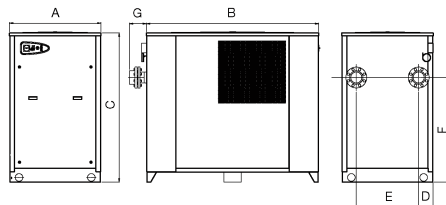
RD 0030 - 0175



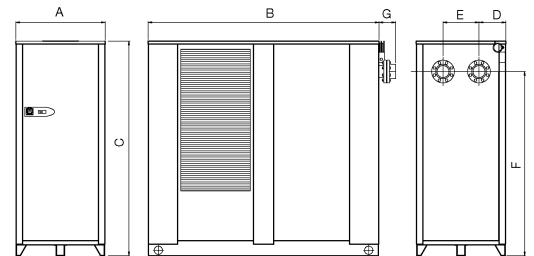
RD 0200 - 0325



RD 0425 - 0800



RD 1000 - 1220



RD 1600 - 2000