



Refrigerated Compressed Air Dryers

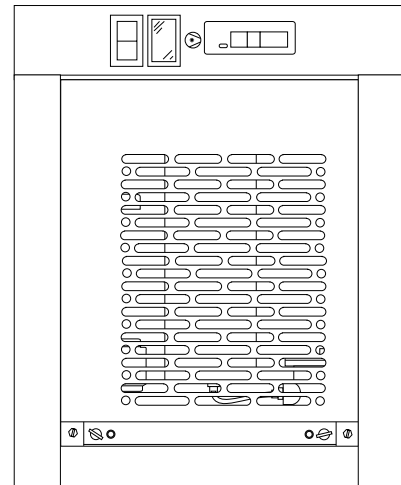
Models DRD 25, 35, 50, 75, 100, 125, 150

Instruction Manual

For Sales or Service Call: 705-722-5747 Ext.1

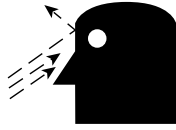
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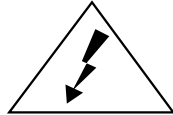
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GENERAL SAFETY INFORMATION



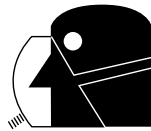
1. PRESSURIZED DEVICES:

This equipment is a pressure containing device. Do not exceed maximum operating pressure as shown on equipment serial number tag. Make sure equipment is depressurized before working on or disassembling it for service.



2. ELECTRICAL:

This equipment requires electricity to operate. Install equipment in compliance with all applicable electrical codes. Standard equipment is supplied with electrical enclosures not intended for installation in hazardous environments. Disconnect power supply to equipment when performing any electrical service work.



3. BREATHING AIR:

Air treated by this equipment may not be suitable for breathing without further purification. Refer to applicable standards and specifications for the requirements for breathing quality air.

RECEIVING, MOVING, AND UNPACKING

A. RECEIVING

This shipment has been thoroughly checked, packed and inspected before leaving our plant. It was received in good condition by the carrier and was so acknowledged.

Check for Visible Loss or Damage. If this shipment shows evidence of loss or damage at time of delivery to you, insist that a notation of this loss or damage be made on the delivery receipt by the carrier's agent.

B. UNPACKING

Check for Concealed Loss or Damage. When a shipment has been delivered to you in apparent good order, but concealed damage is found upon unpacking, notify the carrier immediately and insist on his agent inspecting the shipment. Concealed damage claims are not our responsibility as our terms are F.O.B. point of shipment.

C. MOVING

In moving or transporting dryer, do not tip dryer onto its side.

D. STORAGE

IMPORTANT - Do not store dryer in temperatures above 130°F, 54.4°C.

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IMPORTANT:
 READ PRIOR TO STARTING THIS EQUIPMENT

1.0 Installation

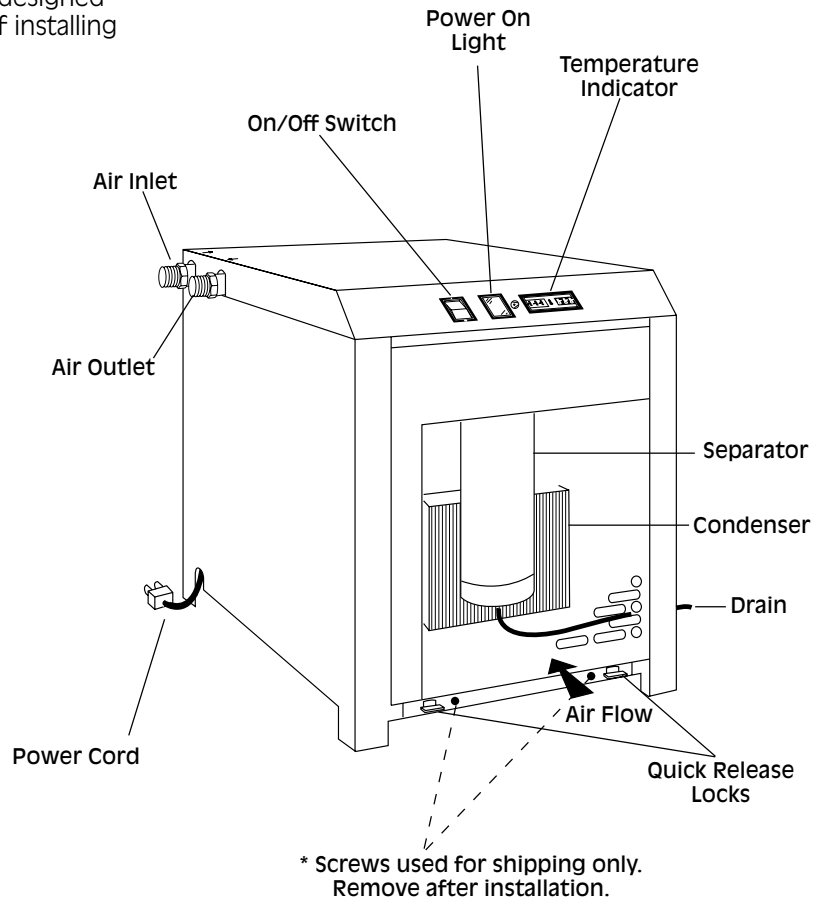
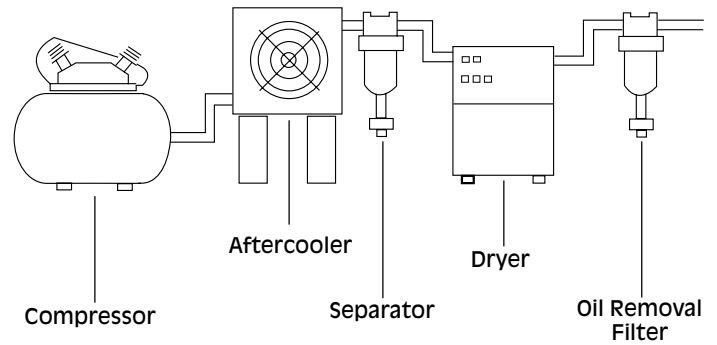
1.1 Location

- A. For typical placement in a compressed air system, see drawing.
- B. Air compressor intake—Locate air compressor so that contaminants potentially harmful to the dryer (e.g. ammonia) are not drawn into the air system.
- C. Clearances
 Free air flow - Allow at least 12 inches (305 mm) on the front and each side of the cabinet and 6 inches (152 mm) at the back of the cabinet for free air flow.
 Service - To facilitate maintenance leave 24 inches (610 mm) of clearance in front of dryer.
- D. Standard units are designed to operate in ambients from 45 to 110°F (7 to 43°C).
- E. Installations in altitudes above 4500 feet (1370 meters)
 – Dryer is adjusted to operate in altitudes up to 4500 feet (1370 meters). If dryer is installed in an altitude above this, and has not been preset at the factory for this altitude, contact manufacturer's Service Department.

NOTE: Outdoor installation—Standard units are designed for indoor installation. Contact manufacturer if installing outdoors.

1.2 Mounting

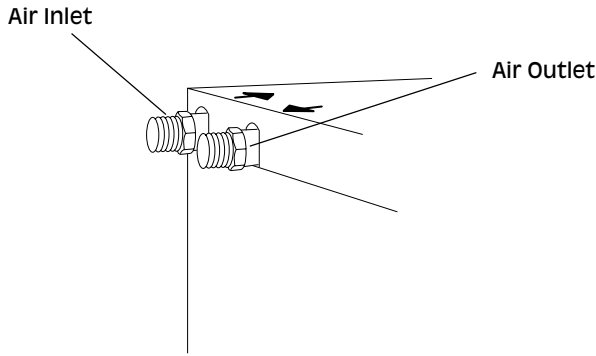
Mount on floor or shelf free from vibration.



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1.3 Piping connections

- A. Air Inlet—Connect compressed air line from air source to air inlet.



WARNING: Refer to Serial Number Tag for maximum working pressure. Do not exceed dryer's Maximum Working Pressure.

NOTE:
Install dryer in air system at highest pressure possible (e.g. before pressure reducing valves).

NOTE:
Install dryer at coolest compressed air temperature possible. Maximum inlet compressed air temperature: 120°F (49°C). If inlet air exceeds this temperature, precool the air with an aftercooler.

- B. Air Outlet—Connect air outlet to downstream air lines.
- C. By-pass piping—
If servicing the dryer without interrupting the air supply is desired, piping should include inlet and outlet valves and an air by-pass valve.
- D. Water cooled models—cooling water inlet and outlet
1. Connect cooling water supply to cooling water inlet.
 2. Connect cooling water return line to cooling water outlet connection.

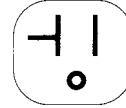
NOTE:
Strainer and water regulating valve are supplied on water cooled models.

1.4 Electrical connections

- A. Dryer is designed to operate on the voltage, phase, and frequency listed on the serial number tag.
- B. Dryer is supplied with a cord and plug. Install in a receptacle of proper voltage.

NOTE:
Refrigeration condensing unit is designed to run continuously and should NOT be wired to cycle on/off with the air compressor.

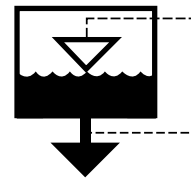
NOTE:
Models 150 (115V only)—install plug in receptacle rated for 20 amps.



1.5 Moisture separator

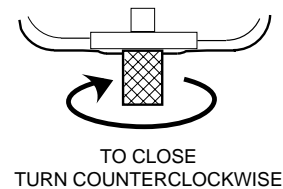
- A. Separator has an internal drain which automatically discharges collected condensate. It may be desirable to pipe the condensate from the Automatic Drain outlet to a suitable drain.

NOTE:
Discharge is at system pressure. Drain line should be anchored.



NOTE:
Condensate may contain oil. Comply with applicable laws concerning proper disposal.

- B. Separator has a knurled fitting with flexible drain tubing attached. Be sure knurled fitting is tightened by turning it counter-clockwise before operating dryer.



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2.0 Operation

2.1 Minimum/Maximum operating conditions

- A. Maximum inlet air pressure: refer to dryer serial number tag
- B. Minimum inlet air pressure: 30 psig (2.1 kgf/cm²)
- C. Maximum inlet air temperature: 120°F (49°C)
- D. Maximum ambient temperature:
Air-cooled models: 110°F (43°C)
Water-cooled models: 130°F (54°C)
- E. Minimum ambient temperature: 45°F (7°C)

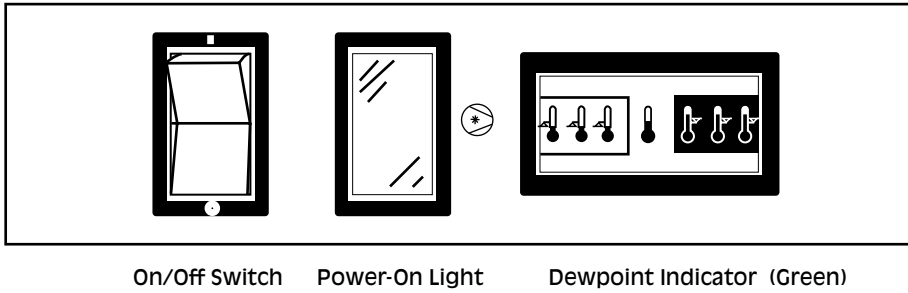
2.2 Start-up

Energize compressor by positioning the on/off switch in the on (I) position. Compressor on light will illuminate.

2.3 Operating check points

Check the following on a periodic basis:

- A. Green power on light is illuminated.
- B. Dewpoint indicator is in green area.
- C. Condensate is discharging from drain.



On/Off Switch

Power-On Light

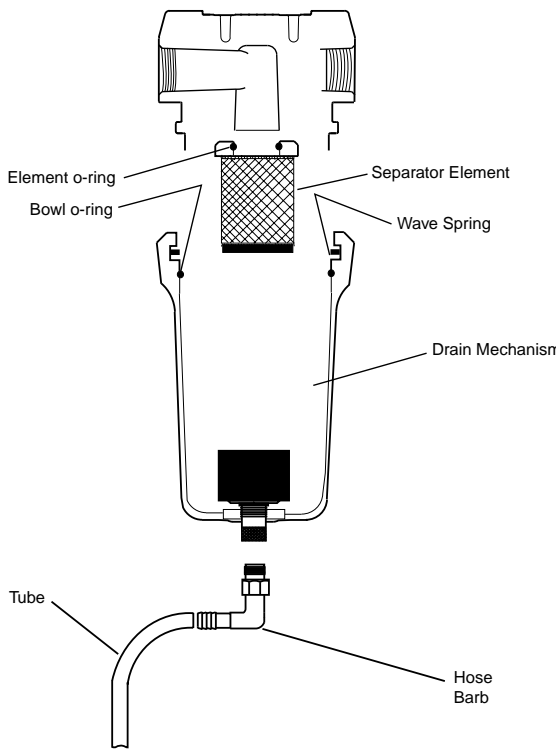
Dewpoint Indicator (Green)

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3.0 Maintenance

- 3.1 Condenser coil—
Clean off accumulated dust and dirt monthly.
- 3.2 Moisture separator—
Replace filter element when pressure drop across dryer is excessive or annually.
- 3.3 Check separator daily to be sure automatic drain is discharging.
- 3.4 Replace drain mechanism annually.

To facilitate service, maintenance kits are available.



Sizing

Determining dryer capacity at actual operating conditions

To determine the maximum inlet flow capacity of a dryer at various operating conditions, multiply the rated capacity from Table 1 by the multipliers shown in Table 2.

Example: How many scfm can an air-cooled model 125 handle when compressed air to be dried is at 80 psig and 90°F; ambient air temperature is 80°F; and a 35°F dew point temperature is desired?

Answer: 125 x 1.17 x 1.12 x 1.0 = 163.8 scfm.

TABLE 1

Rated capacity (scfm) and pressure drop @ 100 psig inlet pressure, 100°F inlet temperature, and 100°F ambient temperature

MODEL	25	35	50	75	100	125	150
Rated capacity of air-cooled models (scfm)	25	35	50	75	100	125	150
	60 Hz	50 Hz					
	21	29	42	63	84	105	125

TABLE 2

Air capacity correction factors (Multipliers)

INLET PRESSURES		INLET COMPRESSED AIR CONDITIONS				
		INLET TEMPERATURES				
psig	kgf/cm ²	80°F 27°C	90°F 32°C	100°F 38°C	110°F 43°C	120°F 49°C
50	3.5	1.35	1.05	0.84	0.69	0.56
80	5.6	1.50	1.17	0.95	0.79	0.66
100	7.0	1.55	1.23	1.00	0.82	0.70
125	8.8	1.63	1.31	1.07	0.91	0.74
150	10.5	1.70	1.37	1.13	0.95	0.80
175	12.3	1.75	1.42	1.18	0.99	0.84
200	14.0	1.80	1.47	1.22	1.03	0.89

COOLING MEDIUM*			OUTLET DEWPOINT		
AMBIENT TEMPERATURE		MULTIPLIER	DEW POINT TEMPERATURE		MULTIPLIER
°F	°C		°F	°C	
80	27	1.12	38	3	1.0
90	32	1.06	40	4	1.1
100	38	1.00	45	7	1.2
110	43	0.94	50	10	1.3

*Air-cooled models; water-cooled models use 1.15 multiplier if cooling water is below 35°C, 95°F.

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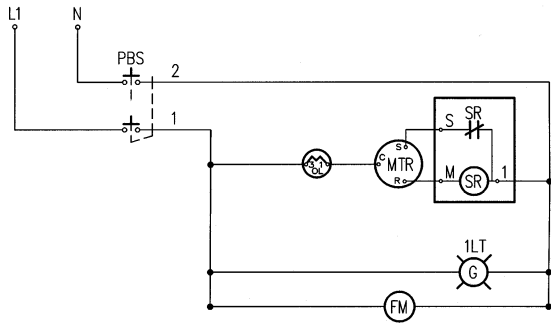
ENGINEERING DATA

Minimum – Maximum Operating Conditions			25	35	50	75	100 / 125	150
Min.-Max. Inlet Air Pressure (compressed air at inlet to dryer)			30 psig (2.1 kgf/cm ²) - 250 psig (17.6 kgf/cm ²)					
Max. Inlet Air Temp. (compressed air at inlet to dryer)			120°F (49°C)					
Min.-Max. Ambient Temperature			Air-cooled 45°F (7°C) - 110°F (43°C) Water-cooled 45°F (7°C) - 130°F (54°C)					
Refrigeration System Data								
Compressor Type			Hermetic - Resistance Start, Induction Run - Non-Cycling					
Refrigeration Compressor Horsepower			1/6	1/5	1/4	1/3	1/2	3/4
BTU/HR – Refrigeration Only @ 35°F Evaporator & 100°F Ambient 60 Hz / 50 Hz			1010 / 842	1380 / 1150	2160 / 1800	2780 / 2317	4430 / 3692	6020 / 5017
Refrigerant Type			R-134a	R-134a	R-134a	R-134a	R-134a	R-134a
Refrigerant Charge			See dryer serial number tag					
Suction Pressure Setting (controlled by hot gas by-pass valve)			31.5 psig	31.5 psig	31.5 psig	31.5 psig	31.5 psig	31.5 psig
Condenser Fan Switch Setting (in-out) (psig)			NA	NA	NA	NA	NA	110-70
Air Flow Across Condenser (cfm) 60 Hz / 50 Hz			105 / 98	235 / 196	275 / 229	220 / 183	350 / 292	530 / 440
Condenser Cooling Water Requirements (gpm @ 85°F) (water-cooled models only) (40 psig min. pressure)			NA	NA	NA	NA	NA	2.2 / 1.8
Electrical								
Nominal Voltages			115/1/60					
Max.-Min. Voltage			127-104	127-104	127-104	127-104	127-104	127-104
Rated Load Amps			3.4	3.9	5.9	7.4	10.3	14.7
Locked Rotor Amps			18.0	22.0	28.0	35.0	48.0	66.3
Minimum Circuit Ampacity			4.0	4.7	7.3	9.1	12.4	18.3
Branch Circuit Fuse Size (amps)			15	15	15	15	20	25
Watts @ 35°F Evaporator & 100°F Ambient			280	290	465	600	815	1060
Resistance (ohms) Single phase		Start C/S	---	---	---	---	---	3.15
		Run C/R	---	---	---	---	---	0.416
Overload			Thermal & Current (Auto reset)					
Nominal Voltages			208-230/1/60					
Max.-Min. Voltage			253-187	253-187	253-187	253-198	253-187	253-198
Rated Load Amps			1.8	2.1	3.0	4.1	5.1	8.3
Locked Rotor Amps			8.5	13.7	14.4	19.0	23.0	33.5
Minimum Circuit Ampacity			2.2	2.6	3.7	5.1	5.2	10.5
Branch Circuit Fuse Size (amps)			15	15	15	15	15	15
Watts @ 35°F Evaporator & 100°F Ambient			280	290	470	600	815	1060
Resistance (ohms) Single phase		Start C/S	---	---	---	---	---	7.92
		Run C/R	---	---	---	---	---	1.55
Overload			Thermal & Current (Auto reset)					
Nominal Voltages			220-240/1/50					
Max.-Min. Voltage			264-198	264-198	264-198	264-198	264-198	264-198
Rated Load Amps			1.6	1.8	2.6	3.5	4.2	7.6
Locked Rotor Amps			8.7	10.7	14.5	15.2	21.0	53.0
Minimum Circuit Ampacity			2.0	2.2	3.2	4.4	5.2	9.9
Branch Circuit Fuse Size (amps)			15	15	15	15	15	15
Watts @ 35°F Evaporator & 100°F Ambient			223	257	395	507	669	930
Resistance (ohms) Single phase		Start C/S	---	---	---	---	---	10.49
		Run C/R	---	---	---	---	---	1.8
Overload			Thermal & Current (Auto reset)					

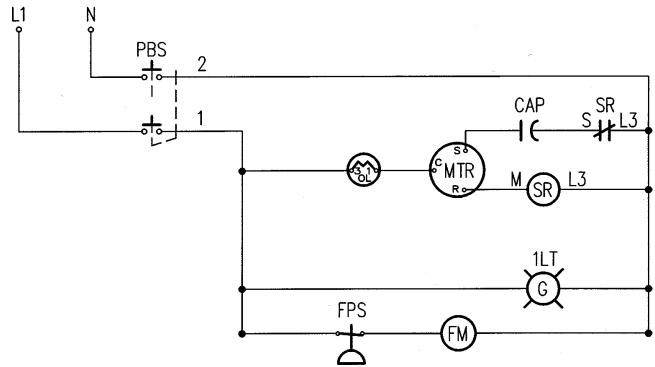
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ELECTRICAL SCHEMATIC

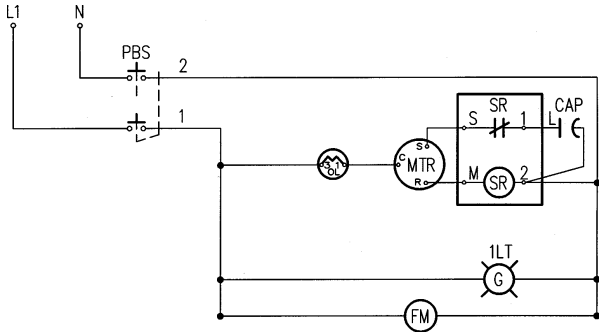
Models 25, 35 - 115V/60 Hz; 208-230V/60Hz; 220-240V/50 Hz
 Model 50 - 115V/60 Hz; 220-240V/50 Hz
 Model 75 - 115V/60 Hz



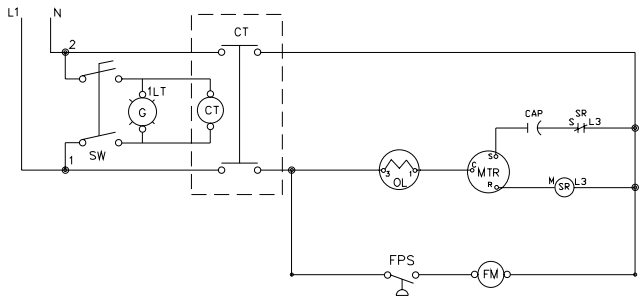
Model 150 - 230V/60 Hz



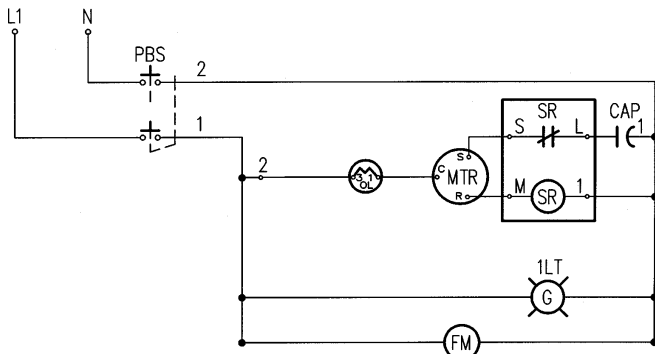
Model 50 - 208-230V/60Hz
 Model 75 - 208-230V/60 Hz; 220-240V/50 Hz



Model 150 - 115V/60 Hz



Models 100, 125 - All Voltages

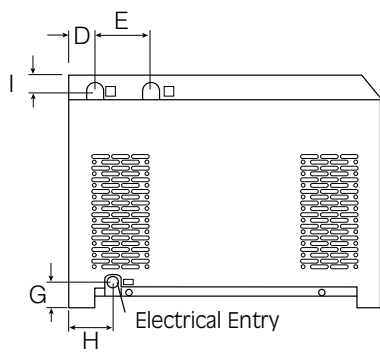


Legend

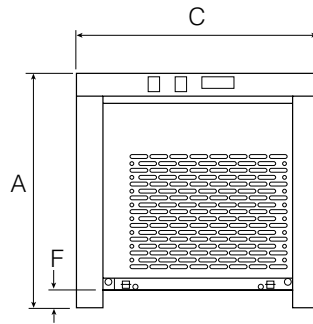
- PBS - Push button switch
- 1LT - Power-on light
- SR - Start Relay
- CAP - Start Capacitor
- MTR - Compressor
- FM - Fan Motor
- OL - Overload
- FPS - Fan Pressure Switch (Only on 150 scfm)
- CT - Contactor w/115v coil
- SW - On/Off Switch

DIMENSIONS/WEIGHTS

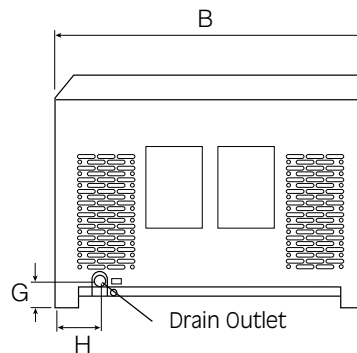
Model	Dimensions inches						
	25	35	50	75	100	125	150
A	17	17	19-15/16	21-9/16	21-9/16	26-15/16	26-15/16
B	22	22	24-7/16	28-11/16	28-11/16	30-1/8	30-1/8
C	17	17	17	20	20	23-3/4	23-3/4
D	1-13/16	1-13/16	1-15/16	1-15/16	1-15/16	2-3/16	2-3/16
E	4	4	5	5	5	5	5
F	15/16	15/16	15/16	15/16	15/16	15/16	15/16
G	1-7/8	1-7/8	1-7/8	1-7/8	1-7/8	1-7/8	1-7/8
H	3	3	3	3	3	3	3
I	1-3/16	1-3/16	1-3/16	1-3/16	1-3/16	1-3/16	1-3/16
Inlet/Outlet Connections	3/4	3/4	1	1	1	1-1/2	1-1/2
Weights lbs	105	118	156	180	198	229	230



Left Side View



Front View



Right Side View

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TROUBLESHOOTING GUIDE

SYMPTOM	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
A. Water downstream of dryer	<ol style="list-style-type: none"> 1. Residual free moisture remaining in downstream pipelines 2. Air by-pass system is open 3. Inlet and Outlet connections are reversed 4. Temperatures surrounding air lines downstream of dryer have dropped below dryers dew point rating 5. Excessive free moisture (bulk liquid) at dryer inlet 6. Condensate not being automatically drained Drain mechanism is clogged or inoperative. Drain line is restricted or frozen. Electric drains–timer not set to allow for sufficient condensate removal 7. Dryer overloaded resulting in elevated dew point. 8. Refrigeration system not functioning properly resulting in elevated dew point. 	<p>Blow out system with dry air</p> <p>Check valve positions Check for correct connection</p> <p>Insulate or heat trace air lines exposed to low ambients or dry air to lower dew point</p> <p>Install separator ahead of dryer</p> <p>Replace drain mechanism if inoperative</p> <p>Open drain line Electric drains–reset time so that all liquid is discharged</p> <p>Check inlet air temperature and pressure, flow rate (compressor capacity) and ambient air or water temperature. See D below</p>
B. High pressure drop across dryer	<ol style="list-style-type: none"> 1. Excessive air flow 2. Freezing of moisture in evaporator because of refrigeration system improperly functioning. 3. Separator filter element clogged. 	<p>Check flow rate See D below</p> <p>Replace filter element.</p>
C. Dew point indicator in red area	<ol style="list-style-type: none"> 1. Dryer overloaded resulting in high air outlet temperature. 2. Refrigeration system not functioning properly resulting in high air outlet temperature. 	<p>See A 7</p> <p>See D below</p>
D. Refrigeration system not functioning properly	<ol style="list-style-type: none"> 1. Power on light off <ol style="list-style-type: none"> a. Power failure b. Line disconnect switch open c. Blown fuses, open breaker d. Faulty wiring, loose terminals 2. Refrigerant compressor cycles on and off <ol style="list-style-type: none"> a. High or low ambient conditions b. Air-cooled models–Dirty, clogged condenser fins, obstructed air flow across condenser, or non functioning fan motor or fan control switch. c. Water-cooled models–Cooling water temperature too high, or flow too low, faulty water regulating valve, clogged water strainer. 	<p>Check power to unit Close disconnect switch Check for continuity Have electrician check electrical connections</p> <p>Check min./max. temperature ranges Clean condenser and check for free air flow, if problem persists contact qualified refrigeration repairman or manufacturer’s service department.</p> <p>Clean strainer, check water flow and temperature, if problem persists contact qualified refrigeration repairman or manufacturer’s service department.</p>

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PARTS LIST

PARTS DESCRIPTION	25			35			50		
	115/1/60 100/1/50	208-230/1/60	220-240/1/50	115/1/60 100/1/50	208-230/1/60	220-240/1/50	115/1/60 100/1/50	208-230/1/60	220-240/1/50
Condensing Unit (air-cooled)	4130.120.7	4130.120.8	4130.120.9	4130.121.8	4130.121.9	4130.121.10	4130.122.10	4130.122.11	4130.122.15
Compressor Only	4130.108.34	4130.108.61	4130.108.35	4130.108.38	4130.108.39	4130.108.40	4130.108.41	4130.108.42	4130.108.43
Overload	5925.570.2	5925.578.24	5925.570.3	5925.578.1	5925.578.2	5925.578.3	5925.578.4	5925.578.5	5925.578.6
Start Relay	5945.655.5	5945.683.24	5945.655.6	5945.683.1	5945.683.2	5945.683.3	5945.683.4	5945.683.5	5945.683.6
Start Capacitor	—	—	—	—	—	—	—	5910.103.23	—
Fan Motor	6105.239.1	6105.237.4	6105.237.4	6105.238.27	6105.238.28	6105.238.28	6105.238.29	6105.238.30	6105.238.30
Fan Blade	4140.228.2	4140.228.2	4140.228.2	4140.227.17	4140.227.17	4140.227.17	4140.227.18	4140.227.18	4140.227.18
Condenser (air-cooled)	4130.110.26	4130.110.26	4130.110.26	4130.111.18	4130.111.18	4130.111.18	4130.111.19	4130.111.19	4130.111.19
Dryer	4130.165.14	4130.165.14	4130.165.14	4130.165.14	4130.165.14	4130.165.14	4130.165.14	4130.165.14	4130.165.14
Hot gas by-pass valve	9802-1	9802-1	9802-1	9802-1	9802-1	9802-1	9802-1	9802-1	9802-1
By-pass valve strainer	4130.701.8	4130.701.8	4130.701.8	4130.701.8	4130.701.8	4130.701.8	4130.701.8	4130.701.8	4130.701.8
Light assy., green	6350.457.11	6350.457.4	6350.457.4	6350.457.11	6350.457.4	6350.457.4	6350.457.11	6350.457.4	6350.457.4
Dew Point Indicator	6685.283.1	6685.283.1	6685.283.1	6685.283.1	6685.283.1	6685.283.1	6685.283.1	6685.283.1	6685.283.1
On/off switch	6110.706.6	6110.706.6	6110.706.6	6110.706.6	6110.706.6	6110.706.6	6110.706.6	6110.706.6	6110.706.6
Maintenance Kit	RDMK2C	RDMK2C	RDMK2C	RDMK2C	RDMK2C	RDMK2C	RDMK3C	RDMK3C	RDMK3C
Element	DVE9-16	DVE9-16	DVE9-16	DVE9-16	DVE9-16	DVE9-16	DVE9-20	DVE9-20	DVE9-20
Drain	4460.151.10	4460.151.10	4460.151.10	4460.151.10	4460.151.10	4460.151.10	4460.151.10	4460.151.10	4460.151.10

PARTS DESCRIPTION	75			100 & 125			150		
	115/1/60 100/1/50	208-230/1/60	220-240/1/50	115/1/60 100/1/50	208-230/1/60	220-240/1/50	115/1/60 100/1/50	208-230/1/60	220-240/1/50
Condensing Unit (air-cooled)	4130.122.12	4130.122.13	4130.122.14	4130.123.12	4130.123.13	4130.123.14	4130.134.31	4130.134.32	4130.134.33
Compressor Only	4130.108.44	4130.108.45	4130.108.46	4130.108.47	4130.108.48	4130.108.49	4130.108.50	4130.108.51	4130.108.52
Overload	5925.578.7	5925.578.8	5925.578.9	5925.578.10	5925.578.11	5925.578.12	5925.578.13	5925.578.14	5925.578.15
Start Relay	5945.683.7	5945.683.8	5945.683.9	5945.683.10	5945.683.11	5945.683.12	5945.683.13	5945.683.14	5945.683.15
Start Capacitor	—	5910.103.26	5910.103.27	5910.103.28	5910.103.29	5910.103.29	5910.103.37	5910.103.38	5910.103.39
Fan Motor	6105.238.31	6105.238.32	6105.238.32	6105.238.33	6105.238.34	6105.238.34	6105.238.35	6105.238.36	6105.238.36
Fan Blade	4140.227.19	4140.227.25	4140.227.25	4140.227.20	4140.227.20	4140.227.20	4140.227.21	4140.227.21	4140.227.21
Condenser (air-cooled)	4130.111.20	4130.111.20	4130.111.20	4130.111.21	4130.111.21	4130.111.21	4130.111.22	4130.111.22	4130.111.22
Dryer	4130.165.14	4130.165.14	4130.165.14	4130.165.14	4130.165.14	4130.165.14	4130.165.14	4130.165.14	4130.165.14
Fan Pressure Switch	—	—	—	—	—	—	4130.138.13	4130.138.13	4130.138.13
Hot gas by-pass valve	9802-1	9802-1	9802-1	9802-1	9802-1	9802-1	9802-1	9802-1	9802-1
By-pass valve strainer	4130.701.8	4130.701.8	4130.701.8	4130.701.8	4130.701.8	4130.701.8	4130.701.8	4130.701.8	4130.701.8
Light assy., green	6350.457.25	6350.457.23	6350.457.23	6350.457.25	6350.457.23	6350.457.23	6350.457.25	6350.457.23	6350.457.23
Dew Point Indicator	6685.283.1	6685.283.1	6685.283.1	6685.283.1	6685.283.1	6685.283.1	6685.283.1	6685.283.1	6685.283.1
On/off switch	6110.706.6	6110.706.6	6110.706.6	6110.706.6	6110.706.6	6110.706.6	6110.706.6	6110.706.6	6110.706.6
Contactors	—	—	—	—	—	—	5910.134.11	—	—
Maintenance Kit	RDMK4C	RDMK4C	RDMK4C	*	*	*	RDMK5C	RDMK5C	RDMK5C
Element	DVE9-24	DVE9-24	DVE9-24	**	**	**	DVE9-28	DVE9-28	DVE9-28
Drain	4460.151.10	4460.151.10	4460.151.10	4460.151.10	4460.151.10	4460.151.10	4460.151.10	4460.151.10	4460.151.10

* Model 100 - RDMK4C
Model 125 - RDMK5C

** Model 100 - DVE9-24
Model 125 - DVE9-28

For Sales or Service Call: 705-722-5747 Ext.1

Warranty

The manufacturer warrants the product manufactured by it, when properly installed, operated, applied and maintained in accordance with procedures and recommendations outlined in the manufacturer's instruction manuals, to be free of defects in material and workmanship for a period of one (1) year from date of purchase at the retail level by the end user, not to exceed eighteen (18) months from the date of manufacture, provided such defect is discovered and brought to the manufacturers attention within the aforesaid warranty period.

The manufacturer will repair or replace any product or part determined to be defective by the manufacturer within the warranty period, provided such defect occurred in normal service and not as the result of misapplication, misuse, abuse, neglect, incorrect maintenance, accident, or normal wear. Normal maintenance items requiring routine replacement are not warranted.

The warranty covers parts and labour for the warranty period. Repair or replacement shall be made at the sole option of the manufacturer. Any service performed on the product by anyone other than the manufacturer must first be authorized by the manufacturer. Unauthorized service voids the warranty and any resulting charge or subsequent claim will not be paid.

Products repaired or replaced under warranty shall be warranted for the unexpired portion of the warranty applying to the original product, based on the original date of purchase and/or date of manufacture, as outlined above.

There is no other expressed warranty. Implied warranties including those of merchantability and fitness for a particular purpose are limited to one (1) year from date of purchase to the extent permitted by law and any and all implied warranties are excluded. This is the exclusive remedy. Liability for consequential damages under any and all warranties are excluded to the extent exclusion is permitted by law.

This warranty gives you specific legal rights, and you may also have other rights within your jurisdiction.

This warranty does not cover:

1. Merchandise that has become inoperative because of ordinary wear, misuse, negligence, accident, or improper and unauthorized repair or alteration.
2. Costs occasioned by the removal, replacement, or repair of merchandise (other than by Devair) without previous written authorization.
3. Expenses incurred in travel or lodging beyond a 40 kilometer (25 mile) distance from the nearest Devair Authorized Service Centre, unless approved by Devair in advance.
4. Products, parts, materials, components, or accessories manufactured by others or supplied in connection with the sale of the manufacturers products.
5. Repair and transportation costs of merchandise determined not to be defective under the terms and conditions of this warranty.

All decisions by Devair Inc. with regard to this policy shall be final. Devair will not be responsible for any claimed defective materials returned other than in accordance with this statement of policy or without our prior authorization.

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