

SRD SERIES REFRIGERATED DRYER OPERATIONS & MAINTENANCE



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AIR/TAK

Compressed Air System Products

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CHECKLIST FOR SD OR SRD REFRIGERATED AIR DRYERS
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	OK	NOT OK
1. Check dryer for damaged cabinetry.	<input type="checkbox"/>	<input type="checkbox"/>
2. Check the refrigerant analyzer gauge reading. It must be reading a positive pressure. It should be no lower than 100# on a 60°F day for R-22 refrigerant and 57# on a 60°F day for R-134a refrigerant. Please note that this gauge is a compound gauge. Be sure to read the PSIG scale.	<input type="checkbox"/>	<input type="checkbox"/>
3. Are the temperature gauge(s) registering a temperature?	<input type="checkbox"/>	<input type="checkbox"/>
4. Are the air pressure gauge(s) reading zero?	<input type="checkbox"/>	<input type="checkbox"/>
5. Does your plant voltage match the required voltage on the dryer data tag?	<input type="checkbox"/>	<input type="checkbox"/>
6. Have you read the Operation Instruction Manual provided?	<input type="checkbox"/>	<input type="checkbox"/>

DO NOT place the air dryer in service unless you are able to check OK for each of the above items.

Notify the freight carrier and Air/Tak immediately of any problems.

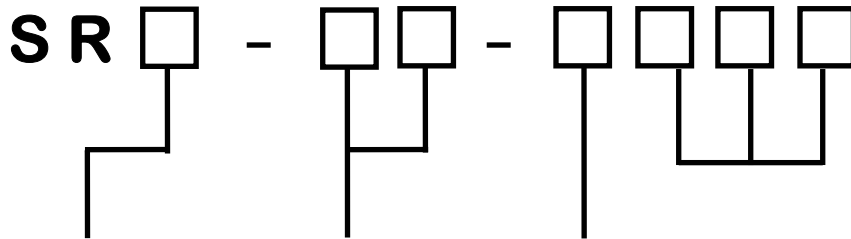
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SECTION 1 GENERAL INFORMATION

MODEL AND SERIAL NUMBER EXPLANATION

MODEL NUMBER CODING



C = CHILLER*
D = DRYER

FLOW (SCFM)
10
15
25
35

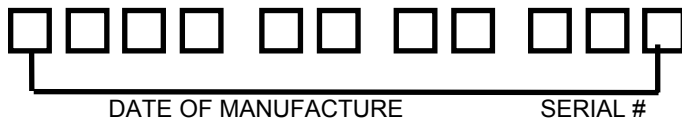
A = Air-Cooled

OPTIONS

D= ELECTRIC DRAIN VALVE
P= INLET/OUTLET AIR PRESSURE GAUGES
T= INLET/OUTLET AIR TEMPERATURE GAUGES

*** Chiller defined as a Dryer that has no "Air-to-Air" Heat Exchanger
It therefore Dries & Chills the Compressed Air**

SERIAL NUMBER CODING



SECTION 2 GENERAL INFORMATION

Start-up



BEFORE STARTING THIS DRYER , FOLLOW THE INSTALLATION INSTRUCTIONS AND PROCEDURES COMPLETELY.

SERIOUS PERSONAL INJURY CAN RESULT IF INSTRUCTIONS ARE NOT CAREFULLY AND COMPLETELY FOLLOWED.

DO NOT REMOVE, REPAIR, OR REPLACE ANY ITEM ON THE DRYER WHILE THE DRYER IS UNDER PRESSURE.

After pushing the start button, the power indicating light will illuminate. The fan will cycle in accordance with head (High Side) pressure on 15-35 SCFM models. On 10 SCFM models the fan will run continuously.

The refrigerant suction pressure gauge reading while running under rated load should read 30.5-32.5 psig.

Running Operation

1. The non-cycling operation of the refrigerated dryer is controlled by a Hot Gas Bypass Valve. The fan control is used in conjunction to maintain head pressure during light or no load running condition.
2. The Hot Gas valve is preset at the factory. The suction pressure gauge should indicate 30.5 PSIG for R-134a with **NO LOAD ON THE DRYER.**

If adjustment is necessary refer to Fig. 1 (Hot Gas Valve Setting & Adjustment)

System Monitor

1. Dryer "Power on" light (GREEN) illuminates to indicate power is on to the dryer.
2. Optional Refrigerant Suction Gauge displays refrigeration system suction pressure.
3. High temperature warning light (RED) indicates the compressor is not running.

Shutdown

1. Isolate dryer by opening bypass valve and closing the inlet and outlet isolation valves.
2. After dryer is depressurized , turn the On/ Off switch to the off position de-energizing the unit.

Hot Gas Valve Setting & Adjustment

With No Load (Air Off) Adjust the valve according to the diagram below. Do not adjust in large increments. Make small adjustment and let dryer equalize. Proper setting is 30.5 PSIG with NO LOAD

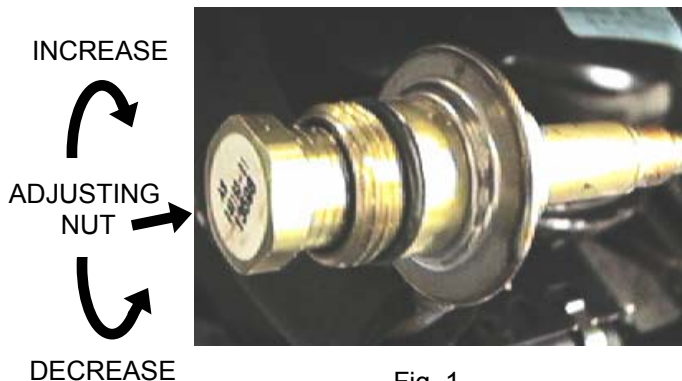
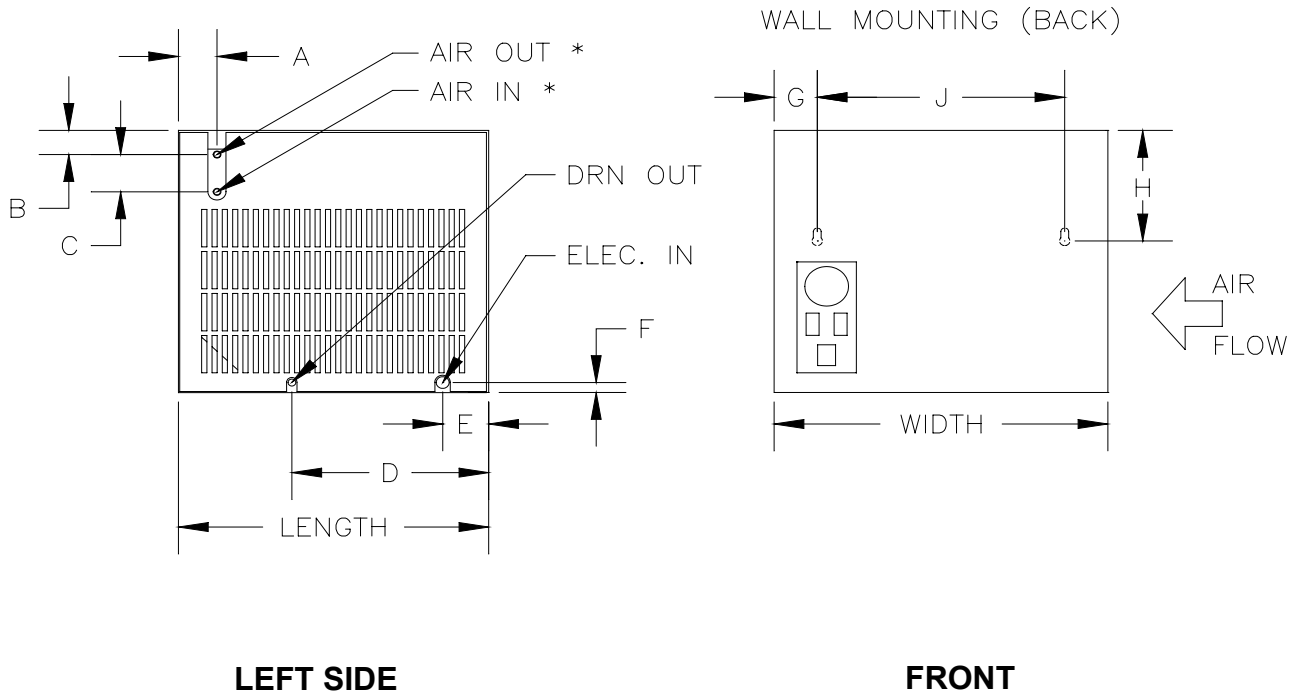


Fig. 1

Temperature (F)	Pressure (PSIG)
28	24.0
30	26.1
32	27.5
34	29.3
35	30.5
36	31.2
38	32.5
40	35.1

SECTION 3 SPECIFICATIONS

3.1 DIMENSIONS



*** SRC IN AND OUT PORTS ARE REVERSED**

MODEL	Capacity SCFM	BTU	Fan CFM	Std Voltage	HP	Kw	Differential Pressure	Length inches	Width inches	Height inches	A	B	C	D	E	F	G	H	J	In/Out Conn. NPT	Wt. lb
SRC-10-A	10	1400	200	115/1/60	.25	.40	1.4	15	16	14	1.88	1.38	2.00	9.50	2.25	.56	2.00	5.50	12.00	1/4"	60
SRD-10-A	10	1400	200	115/1/60	.25	.40	2.4	15	16	14	1.88	1.38	2.00	9.50	2.25	.56	2.00	5.50	12.00	1/4"	65
SRD-15-A	15	1400	200	115/1/60	.25	.40	3.9	15	16	14	1.88	1.38	2.00	9.50	2.25	.56	2.00	5.50	12.00	1/2"	65
SRD-25-A	25	3000	250	115/1/60	.33	.73	2.5	16	21	17	3.38	9.50	3.50	.56	3.50	10.52	2.00	8.00	17.00	1/2"	70
SRD-35-A	35	4000	250	115/1/60	.50	.89	3.5	16	21	17	3.38	9.50	3.50	.56	3.50	10.52	2.00	8.00	17.00	1/2"	75

Air dryers are part of a complete air treatment system that includes filters, moisture separators, etc. To achieve maximum benefit from the dryer, install proper filtration. Coalescing filters should be used in conjunction with a good prefilter. The prefilter is used to extend the life and the function of the coalescing element. Recommended filters are as follows:

DRYER MODEL	PREFILTER Grade GP	COALESCING FILTER Grade C
SRC-10-A	F03-GP30	F03-C30
SRD-10-A	F03-GP30	F03-C30
SRD-15-A	F04-GP60	F04-C60
SRD-25-A	F04-GP60	F04-C60
SRD-35-A	F04-GP60	F04-C60

3.2 SPECIFICATIONS

MODEL	FLOW	VOLTAGE	COMP. RLA	COMP. LRA	COMP. HP	MINIMUM CIRCUIT AMPS	FAN MOTOR FLA (EA)	UNIT FLA	MAX FUSE	CHARGE* (R134a)	STD. INLET AIR TEMP.	STD. INLET AIR PRESS.	STD. AMBIENT AIR TEMP.	LOW SIDE TEST PRESS.	HIGH SIDE TEST PRESS.
SRC-10-A	10 SCFM	115/60/1	3.2	18.0	.20	15	.46	3.6	15	4.5 oz.	100	100	100	190	400
SRC-10-A	10 SCFM	208-230/60/1	2.0	8.5	.25	15	.23	2.3	15	4.5 oz.	100	100	100	190	400
SRD-10-A	15 SCFM	115/60/1	3.2	18.0	.25	15	.46	3.6	15	4.5 oz.	100	100	100	190	400
SRD-10-A	15 SCFM	208-230/60/1	2.0	8.5	.25	15	.23	2.3	15	4.5 oz.	100	100	100	190	400
SRD-15-A	15 SCFM	115/60/1	3.2	18.0	.25	15	.46	3.6	15	4.5 oz.	100	100	100	190	400
SRD-15-A	15 SCFM	208-230/60/1	2.0	8.5	.25	15	.23	2.3	15	4.5 oz.	100	100	100	190	400
SRD-25-A	25 SCFM	115/60/1	5.8	29.0	.33	15	.46	6.3	15	9.0 oz.	100	100	100	190	400
SRD-25-A	25 SCFM	208-230/60/1	3.0	14.0	.33	15	.23	3.3	15	9.0 oz.	100	100	100	190	400
SRD-35-A	35 SCFM	115/60/1	7.2	32.7	.50	15	.46	7.7	15	9.0 oz.	100	100	100	190	400
SRD-35-A	35 SCFM	208-230/60/1	4.0	19.0	.50	15	.23	4.3	15	9.0 oz.	100	100	100	190	400

*** ENSURE UNIT IS COMPLETELY EVACUATED PRIOR TO CHARGING.**

SECTION 4 INSTALLING THE DRYER

4.1 LOCATION



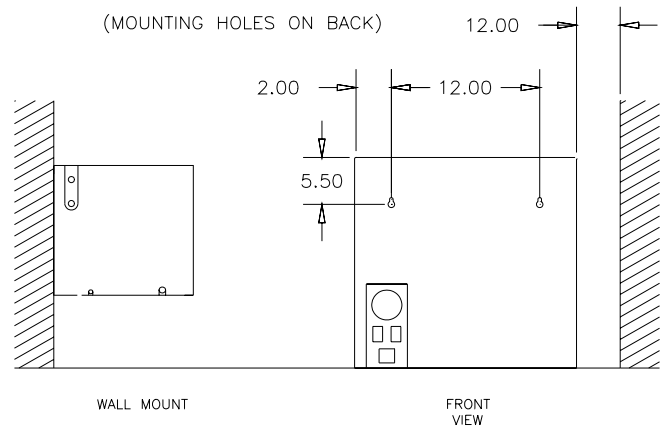
DO NOT INSTALL DRYER IN AN ENVIRONMENT OF CORROSIVE CHEMICALS, EXPLOSIVE GASSES, POISONOUS GASSES, STEAM HEAT, AREAS OF HIGH AMBIENT CONDITIONS, OR EXTREME DUST AND DIRT.

Install the dryer in a protected, well ventilated area where the ambient temperatures are between **40 degrees and 100 degrees F**. The dryer will generate the amount of heat listed in the BTU/HR column of the specification table. It must be installed in an area that has ventilation and air flow sufficient to handle the required heat removal.

FAILURE TO INSTALL DRYER IN THE PROPER AMBIENT CONDITIONS WILL AFFECT THE DRYERS ABILITY TO CONDENSE REFRIGERANT GAS. THIS CAN CAUSE HIGHER LOADS ON THE COMPRESSORS, LOSS OF DRYER EFFICIENCY AND PERFORMANCE, OVERHEATED CONDENSER FAN MOTORS, ELECTRICAL COMPONENT FAILURE, AND DRYER FAILURE DUE TO THE FOLLOWING: COMPRESSOR LOSS, FAN MOTOR FAILURE, AND ELECTRICAL COMPONENT FAILURE. FAILURES OF THIS TYPE WILL AFFECT WARRANTY CONSIDERATIONS.

Install the dryer in a clean, dry, non-corrosive environment. Clearance around the dryer should be no less than **12"** on all sides to ensure room for maintenance and proper air circulation to air cooled components. Some jurisdictions have codes requiring specific clearances around equipment. Check with all local authorities to ensure compliance with all applicable state, local, and national codes.

Refrigerated air dryers have water present in them at all times. Fumes from things such as formaldehyde, carbon dioxide, sulfur compounds, and ammonia will combine with water in the dryer to form acids such as carbonic, sulfuric, and nitric which are extremely corrosive to the dryer. Install the air inlet to the air compressor in a manner that ensures that corrosive fumes are not introduced into the air system.



DRYER FAILURE DUE TO ACID OR CORROSIVE SUBSTANCE ATTACK IS CONSIDERED OWNER ABUSE AND WILL NOT BE COVERED AS A WARRANTY ITEM. IT IS THE USERS RESPONSIBILITY TO ENSURE THAT AIR SUPPLIES ARE CLEAN AND CONTAMINANT FREE.

Install the dryer indoors. Dryers are not meant to be installed outdoors exposed to the weather. If the dryer must be installed outdoors, it must be in a weatherproof enclosure that provides for adequate air flow to the dryer.

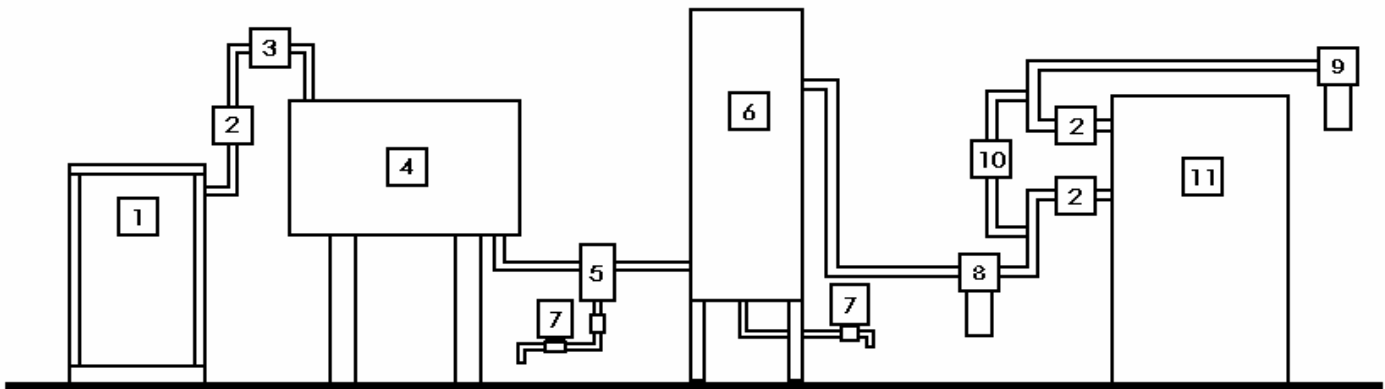
4.2 PIPING AND CONNECTIONS

Connect the inlet and outlet piping to the dryer using the markings on the dryer as a guide. Pipe size for dryer is specified in the dimension table (Section 3). Piping should be full flow if possible with the least amount of turns, bends, or reductions. If the dryer is connected to a machine with excessive vibration, flexible connections should be used to isolate the dryer from the rest of the system. Use Figure 4.2.1 as a suggested guide for the installation of system components.

Use di-electric unions to isolate copper from iron piping and reduce possibility of electrolytic action on pipes and other iron components.

All pipe should be deburred and threaded to a proper depth and length before installation. Threads should be inspected for cleanliness and depth of cut. Good quality pipe compound should be used in the makeup of joints to ensure a good, airtight fit of piping components.

Pipe should be anchored separately from the dryer. At no time should the dryer be expected to support the weight or load of the pipe. Acceptable pipe mounting devices would be unistrut supports anchored to walls, hangers suspended from ceilings, or pedestals mounted from the floor. Be sure all pipe installation conforms to all building and fire codes.



- | | |
|--------------------|---------------------------|
| 1 Air Compressor | 6 Storage Tank |
| 2 Shut-off Valve | 7 Drain Valve |
| 3 Flex Connector | 8 Prefilter |
| 4 Aftercooler | 9 Afterfilter |
| 5 Liquid Separator | 10 By-pass Valve |
| | 11 Refrigerated Air Dryer |

FIGURE 4.2.1 SUGGESTED PIPING CONFIGURATION



SECTION 5 MAINTENANCE AND REPAIR

DO NOT REMOVE, REPAIR, OR REPLACE ANY ITEM ON THE DRYER WHILE THE DRYER IS UNDER PRESSURE.

BEFORE BEGINNING ANY REPAIRS, MAINTENANCE, OR INSTALLATION WORK, ENSURE THAT THE POWER IS OFF AND THE DRYER IS AT ATMOSPHERIC PRESSURE.

BEFORE WORKING ON THE DRYER OR RELATED EQUIPMENT, ENSURE THAT ALL PERSONNEL HAVE READ AND UNDERSTAND THE SAFETY AND OPERATION INSTRUCTIONS IN THIS MANUAL.

CHARGING INFORMATION

Charging Procedure

- 1. Evacuate unit with recovery machine**
- 2. Draw a vacuum on dryer**
- 3. Weigh or measure with “Dial-a-Charge” the proper amount of refrigerant as stated on nameplate.**

**NEVER ESTIMATE THE CHARGE AS THESE DRYERS ARE “CRITICAL CHARGE” MACHINES
IMPROPER REFRIGERANT CHARGE WILL LEAD TO COMPRESSOR AND/OR DRYER FAILURE**

EVACUATE AND CHARGING TO BE DONE ONLY BY A CERTIFIED EPA TECHNICIAN !

PREVENTIVE MAINTENANCE SCHEDULE

This is a suggested schedule based on **Average** dryer conditions. As conditions such as dirty environment, humidity conditions, ambient temperature, etc. change, the frequency and duration of the inspections may change.

DAILY

1. Inspect the dryer for proper operation .
2. Check the control panel for alarms.
3. Verify proper inlet and ambient air conditions.

WEEKLY

1. Assure drain is functioning properly.
2. Inspect and log pressure differential readings across filters. Inspect filters if they are out of range. Change as necessary.

MONTHLY

1. Blow entire unit out with compressed air.
2. Blow condenser coils out with compressed air.
3. Inspect refrigeration compressor for overheating.

SEMI-ANNUALLY

1. Inspect entire assembly for loose connections, screws, panels etc.
2. Inspect refrigeration circuit for signs of oil and refrigerant leakage.
3. Clean fan blades, casing, motors and internal components. Use light mixture of detergent. No oil based cleaning solvents should be used for cleaning the unit.

ANNUALLY

1. Tighten all electrical connections. Look for broken, cracked, or bare wires.
2. Measure and record amperage. Verify that readings are within acceptable parameters as listed in specification table.
3. Clean the condenser coil with a mild detergent mixture and brush

SECTION 6 TROUBLESHOOTING GUIDE

Symptom	Cause
Dryer not running "Power ON" light is ON	<ol style="list-style-type: none">Low voltage to the dryerCompressor over-load openDefective compressor start componentsCompressor windings open
Dryer not running "Power ON" light is OFF	<ol style="list-style-type: none">Switch not turned onNo powerCircuit breaker fuse improperly wiredON/OFF switch defective
High discharge pressure (Above 125 psig)	<ol style="list-style-type: none">Fan not operatingDirty or blocked condenserHigh ambient conditionsexcessive air load exceeding the capacity of the dryer
High suction pressure (30.5-32.5 normal)	<ol style="list-style-type: none">Excessive air load exceeding the capacity of the dryerHGV setting too highHigh ambient temperature
Low suction pressure (30.5-32.5 normal)	<ol style="list-style-type: none">Low or no air loadFan not cycling at low loadHGV setting too lowRefrigerant leak(low on refrigerant)Low ambient temperature and fan not cycling
Moisture in the air system downstream	<ol style="list-style-type: none">Dryer over loaded (air flow)Separator drain not functioningAir bypass valve openRefrigeration system not operatingImproper air piping
High pressure drop in dryer air circuit	<ol style="list-style-type: none">Dryer over loaded (air flow)Heat exchanger cloggedIced evaporator coil
High temperature light ON (Refrigerant compressor OFF)	<ol style="list-style-type: none">Air inlet temperature too highRefrigerant shortageBlocked condenser

SECTION 7 REPLACEMENT PARTS

ITEM	DESCRIPTION	SRC-10-A	SRC-10-A	SRC-10-A	SRD-10-A	SRD-10-A	SRD-10-A
		115/60/1	230/60/1	230/50/1	115/60/1	230/60/1	230/50/1
1	LIGHT,POWER (GRN)	88-008-002	88-008-002	88-008-002	88-008-002	88-008-002	88-008-002
2	LIGHT,HIGH TEMPERATURE (RED)	88-008-000	88-008-000	88-008-000	88-008-000	88-008-000	88-008-000
3	SWITCH, ON/OFF	88-007-000	88-007-000	88-007-000	88-007-000	88-007-000	88-007-000
4	BASE	63-992-000	63-992-000	63-992-000	63-992-000	63-992-000	63-992-000
5	PANEL,INLET (RH)	63-982-000	63-982-000	63-982-000	63-982-000	63-982-000	63-982-000
6	PANEL,EXHAUST (LH)	63-982-001	63-982-001	63-982-001	63-982-001	63-982-001	63-982-001
7	PANEL, TOP	63-983-000	63-983-000	63-983-000	63-983-000	63-983-000	63-983-000
8	COMPRESSOR	52-025-016	51-025-017	52-025-021	52-025-016	51-025-017	52-025-021
9	HEAT EXCHANGER ASSEMBLY	59-225-000	59-225-000	59-225-000	59-226-000	59-226-000	59-226-000
10	CONDENSER	51-025-024	51-025-024	51-025-024	51-025-024	51-025-024	51-025-024
11	FAN MOTOR	51-025-028	51-025-029	51-025-029	51-025-028	51-025-029	51-025-029
12	FAN BLADE	51-025-032	51-025-032	51-025-032	51-025-032	51-025-032	51-025-032
13	FAN CONTROL	N/A	N/A	N/A	N/A	N/A	N/A
14	HOT GAS VALVE	52-173-000	52-173-000	52-173-000	52-173-000	52-173-000	52-173-000
15	FILTER DRYER	54-136-000	54-136-000	54-136-000	54-136-000	54-136-000	54-136-000
16	STRAINER	43-984-000	43-984-000	43-984-000	43-984-000	43-984-000	43-984-000
17	RELAY	51-025-034	51-025-035	51-025-040	51-025-034	51-025-035	51-025-040
18	OVERLOAD	51-025-042	51-025-043	51-025-048	51-025-042	51-025-043	51-025-048

SEPARATOR PARTS

AUTODRAIN W/NUT & SEAL	GRP-95-981	GRP-95-981	GRP-95-981	GRP-95-981	GRP-95-981	GRP-95-981
BOWL W/AUTODRAIN & SEALS	FRP-95-950	FRP-95-950	FRP-95-950	FRP-95-950	FRP-95-950	FRP-95-950

ITEM	DESCRIPTION	SRD-15-A	SRD-15-A	SRD-15-A	SRD-25-A	SRD-25-A	SRD-25-A
		115/60/1	230/60/1	230/50/1	115/60/1	230/60/1	230/50/1
1	LIGHT,POWER (GRN)	88-008-002	88-008-002	88-008-002	88-008-002	88-008-002	88-008-002
2	LIGHT,HIGH TEMPERATURE (RED)	88-008-000	88-008-000	88-008-000	88-008-000	88-008-000	88-008-000
3	SWITCH, ON/OFF	88-007-000	88-007-000	88-007-000	88-007-000	88-007-000	88-007-000
4	BASE	63-992-000	63-992-000	63-992-000	63-992-001	63-992-001	63-992-001
5	PANEL,INLET (RH)	63-982-000	63-982-000	63-982-000	63-982-002	63-982-002	63-982-002
6	PANEL,EXHAUST (LH)	63-982-001	63-982-001	63-982-001	63-982-003	63-982-003	63-982-003
7	PANEL, TOP	63-983-000	63-983-000	63-983-000	63-983-001	63-983-001	63-983-001
8	COMPRESSOR	51-025-016	51-025-017	51-025-021	51-025-018	51-025-054	51-025-023
9	HEAT EXCHANGER ASSEMBLY	59-227-000	59-227-000	59-227-000	59-230-000	59-230-000	59-230-000
10	CONDENSER	51-025-024	51-025-024	51-025-024	51-025-025	51-025-025	51-025-025
11	FAN MOTOR	51-025-028	51-025-029	51-025-029	51-025-030	51-025-031	51-025-031
12	FAN BLADE	51-025-032	51-025-032	52-025-032	52-025-032	52-025-032	52-025-032
13	FAN CONTROL	87-121-000	87-121-000	87-121-000	87-121-000	87-121-000	87-121-000
14	HOT GAS VALVE	52-173-000	52-173-000	52-173-000	52-173-000	52-173-000	52-173-000
15	FILTER DRYER	54-136-000	54-136-000	54-136-000	54-140-000	54-140-000	54-140-000
16	STRAINER	43-984-000	43-984-000	43-984-000	43-984-000	43-984-000	43-984-000
17	RELAY	51-025-034	51-025-035	51-025-040	51-025-036	51-025-037	51-025-041
18	OVERLOAD	51-025-042	51-025-043	51-025-048	51-025-044	51-025-045	51-025-049
19	START CAPACITOR	N/A	N/A	N/A	51-025-050	51-025-051	51-025-051

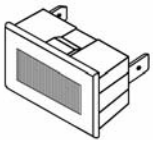
SEPARATOR PARTS

AUTODRAIN W/NUT & SEAL	GRP-95-981	GRP-95-981	GRP-95-981	GRP-95-981	GRP-95-981	GRP-95-981
BOWL W/AUTODRAIN & SEALS	FRP-95-950	FRP-95-950	FRP-95-950	GRP-95-960	GRP-95-960	GRP-95-960

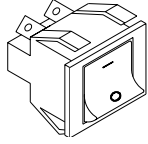
ITEM	DESCRIPTION	SRD-35-A	SRD-35-A	SRD-35-A
		115/60/1	230/60/1	230/50/1
1	LIGHT,POWER (GRN)	88-008-002	88-008-002	88-008-002
2	LIGHT,HIGH TEMPERATURE (RED)	88-008-000	88-008-000	88-008-000
3	SWITCH, ON/OFF	88-007-000	88-007-000	88-007-000
4	BASE	63-992-001	63-992-001	63-992-001
5	PANEL,INLET (RH)	63-982-002	63-982-002	63-982-002
6	PANEL,EXHAUST (LH)	63-982-003	63-982-003	63-982-003
7	PANEL, TOP	63-983-001	63-983-001	63-983-001
8	COMPRESSOR	51-025-019	51-025-020	51-025-022
9	HEAT EXCHANGER ASSEMBLY	59-230-000	59-230-000	59-230-000
10	CONDENSER	51-025-026	51-025-027	51-025-027
11	FAN MOTOR	51-025-030	51-025-031	51-025-031
12	FAN BLADE	51-025-032	51-025-033	51-025-033
13	FAN CONTROL	87-121-000	87-121-000	87-121-000
14	HOT GAS VALVE	52-173-000	52-173-000	52-173-000
15	FILTER DRYER	54-140-000	54-140-000	54-140-000
16	STRAINER	43-984-000	43-984-000	-43-984-000
17	RELAY	-51-025-038	51-025-039	51-025-037
18	OVERLOAD	51-025-046	51-025-047	51-025-055
19	START CAPACITOR	51-025-052	51-025-053	51-025-051

SEPARATOR PARTS

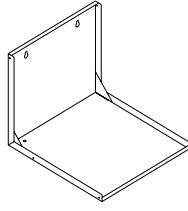
AUTODRAIN W/NUT & SEAL	GRP-95-981	GRP-95-981	GRP-95-981
BOWL W/AUTODRAIN & SEALS	GRP-95-960	GRP-95-960	GRP-95-960



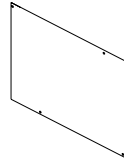
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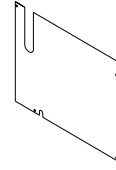
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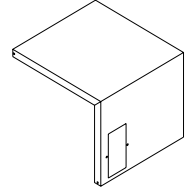
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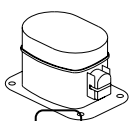
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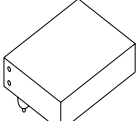
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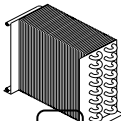
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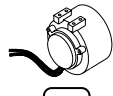
8



9



10

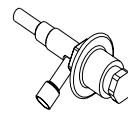


11

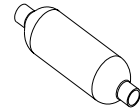


12

13



14



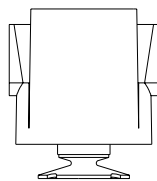
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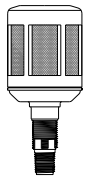
16

ITEMS 17&18 NOT SHOWN

SEPARATOR REPLACEMENT PARTS

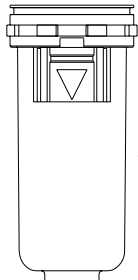


Bowl O-ring



Automatic Drain Assy.

Drain seat O-ring



Bowl

Nut

SECTION 8 WIRING DIAGRAMS

DESCRIPTION OF OPERATION

Power is supplied to Terminal one (1) on Switch - Switch on Power flows to Terminal three (3) on Overload, If Overload is closed (normal), Power goes to Start Relay Coil energizing Compressor. Fan Motor energizes when on/off Switch is closed & runs continuously on 10 SCFM Models. On 15-35 SCFM Models the Fan will cycle according to High Side Pressure. If on/off Switch is closed and Overload Opens, High Temperature Light illuminates indicating a Compressor shutdown/abnormal condition.

SECTION 9 WARRANTY AND WARRANTY CLAIM INFORMATION

The refrigerated air dryer is warranted to be free of defects in materials and workmanship under proper use, installation, and application. This warranty shall be for a period of 15 months from date of shipment from our factory or other stocking facilities or 12 months from date of installation. Proof of installation date will be required. The warranty for parts only shall be for a period of 24 months from date of shipment. All dryers outside the U.S. and Canada carry a parts only warranty.

ALL FREIGHT DAMAGE CLAIMS ARE NOT THE RESPONSIBILITY OF THE MANUFACTURER AND ARE NOT COVERED UNDER WARRANTY AS ALL PRODUCTS ARE SHIPPED F.O.B. SHIPPER.

PLEASE DIRECT ALL FREIGHT CLAIMS TO THE SHIPPER IN QUESTION.

MAINTENANCE AND ADJUSTMENTS

ADJUSTMENTS TO THE HOT GAS BYPASS VALVE AND MAINTENANCE OF FLOAT AND AUTOMATIC DRAINS AND CONDENSER COILS ARE CONSIDERED TO BE ROUTINE MAINTENANCE AND THEREFORE NON-WARRANTABLE ITEMS AND ARE THE SOLE RESPONSIBILITY OF THE END USER. CONSULT THE INSTALLATION, OPERATION AND MAINTENANCE MANUAL FOR THE ADJUSTMENT AND MAINTENANCE PROCEDURES.

This warranty does not apply to any unit damaged by accident, modification, misuse, negligence, or misapplication. Damage to heat exchangers by exposure to ammonia, any other corrosive substance or sub-freezing environment will be considered misuse.

Any refrigerated dryer part or material found defective will be repaired, replaced refunded, at the sellers option free of charge, provided that Manufacturer is notified within the above stated warranty period. **All returns of allegedly defective equipment must have prior written authorization.** Said authorization may be obtained through our refrigerated dryer service department. All refrigerated dryers, parts, materials must be returned **freight prepaid** to the factory within 30 days of return authorization date. Any shipment returned to the factory collect will be refused.

If an item is found to be warrantable, the repaired item or replacement will be returned normal ground freight prepaid within the continental United States and Canada.

Any replacement part or material is warranted only to the extent of the remaining warranty period of the dryer or to the extent as provided by the supplier, whichever is longer.

WHO TO CONTACT IF YOU HAVE A WARRANTY CLAIM:

Phone (724) 297-3416

Fax (724) 297-5189

All freight damage claims should be filed within 15 working days and should be directed to the carrier.

REFRIGERATED COMPRESSED AIR DRYER WARRANTY PROCEDURES

1. Customer (distributor) contacts factory (724) 297-3416
- 2. CUSTOMER PROVIDES MANUFACTURER WITH A P.O. NUMBER AT THIS TIME. THIS IS REQUIRED BEFORE CALL CAN BE ENTERED INTO THE SYSTEM. IF WARRANTY IS VALID, CUSTOMER WILL NOT BE CHARGED FOR SERVICE CALL.**
3. Manufacturer will work with the distributor, end user, etc. to get a service company to be dispatched and assess the dryer and the dryer problems.
4. Prior to repair, a warranty claim number will be issued to authorize service. The service house and the customer (distributor) will receive this number and receive a copy of a claim authorization letter by fax.
5. Service house or distributor submits an itemized invoice showing the work performed. This should be submitted within 30 days of the issuance of a warranty number to ensure prompt processing of the claim. Warranty claim number should appear on all correspondence relating to the claim to further ensure prompt processing of the claim.
6. Wilkerson evaluates the claim and pays the invoice or issues credit if the service house is a Wilkerson distributor.

WHAT IS COVERED:

1. DEFECTS IN MATERIAL.
2. DEFECTS OF WORKMANSHIP IN THE MANUFACTURE OF THE DRYER.
3. A MAXIMUM OF 150 MILES ROUND TRIP FOR ONE SERVICE TECHNICIAN AT A MAXIMUM RATE OF \$45.00/HR. AND .35 PER MILE.

WHAT IS NOT COVERED:

1. TEMPORARY SERVICE ASSISTANT FOR HELP WITH HEAVY ITEMS (ON SITE MAINTENANCE PEOPLE SHOULD HELP WHEN NECESSARY).
2. OVERTIME, WEEKEND LABOR RATES.
3. SALES TAX.
4. AIR FREIGHT OF UNIT OR PARTS.
5. REMOVAL AND REINSTALLATION OF EQUIPMENT.
6. ADDITIONAL PIPING TO BYPASS EQUIPMENT.
7. NORMAL ADJUSTMENT OF HOT GAS BYPASS VALVE.
8. AMPERAGE OR VOLTAGE READINGS.
9. MAINTENANCE OF FLOAT AND AUTOMATIC DRAINS AND CONDENSER COILS.
10. DAMAGE DUE TO MISAPPLICATION.
11. RENTAL CHARGES ON LOANER MACHINES.
12. CONSEQUENTIAL DAMAGES.
13. FREIGHT DAMAGE.

REFRIGERATED DRYER WARRANTY CLAIM INITIATION FORM

FILL IN INFORMATION AND FAX TO (724) 297-5189

UNIT MODEL NUMBER

UNIT SERIAL NUMBER

INSTALLATION DATE

DISTRIBUTOR P.O. NUMBER (INITIATES SERVICE CALL)

FAX NUMBER WHERE WARRANTY CLAIM NUMBER CAN BE FAXED



Compressed Air System Products

107 W. Main Street, Worthington, PA 16262

Phone: 724-297-3416 Fax: 724-297-5189

URL: <http://www.airtak.com> e-mail: airtak@airtak.com

For further assistance contact your local AIR/TAK DISTRIBUTOR.