

**CURTIS-TOLEDO, INC.**  
**1905 KIENLEN AVENUE**  
**ST. LOUIS, MO 63133**

**WARRANTY REGISTRATION**  
**START-UP CHECKLIST – ROTARY SCREW COMPRESSORS**

COMPRESSOR MODEL NUMBER _____	FACTORY SHIP DATE _____	MO	DAY	YEAR
SERIAL NUMBER _____	(If Known)			
AIR END MODEL/TYPE _____	START DATE _____			
AIR END SERIAL NO. _____	CURTIS-TOLEDO ORDER NO. _____			
	(If Known)			

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**THIS CHECKLIST DOES NOT REPLACE THE INSTRUCTIONS CONTAINED IN THE CURTIS-TOLEDO SERVICE MANUAL. ALWAYS REFER TO THE SERVICE MANUAL FOR PROPER PROCEDURES, METHODS, OPERATING SPECIFICATIONS AND SAFETY PRECAUTIONS.**  
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**PRE-START:**

- CHECK ALL PIPING, PIPE COUPLINGS AND HYDRAULIC HOSE CONNECTIONS (NOTE: FITTINGS MAY LOOSEN IN HANDLING AND SHIPPING).
  
- CHECK MOTOR AND COMPRESSOR MOUNTING BOLTS FOR PROPER TIGHTNESS.
- CHECK COUPLING AND/OR BELT DRIVE ALIGNMENT (INSPECT V-BELT DRIVE FOR PROPER TENSION).
  
- CHECK OIL LEVEL WHILE THE UNIT IS TURNED OFF AND OIL HAS SETTLED TO ITS LEVEL: ADD OIL ONLY IF THE OIL GAUGE READS IN THE "ADD OIL" RANGE.
- CHECK AIR END INLET FILTER. INSPECT FOR OBSTRUCTIONS AND PROPER MOUNTING.
  
- CHECK MOISTURE SEPARATOR AND AUTO DRAINS FOR INSTALLATION AND FUNCTION.
  
- CHECK WATER PIPE CONNECTIONS AND SERVICE (IF WATER COOLED).

**SAFETY:**

- FAN, COUPLING, BELT DRIVE GUARDS IN PLACE WITH NO INTERFERENCE.
- SAFETY RELIEF VALVES UNOBSTRUCTED AND OPERATIONAL.
  
- SAFETY SHUTDOWN DEVICES FOR PROPER FUNCTION AND OPERATION.
- ELECTRICAL CONNECTIONS TO CODE AND PROPERLY WIRED TO CURTIS-TOLEDO WIRING REQUIREMENTS.
  
- CHECK TO MAKE SURE UNIT IS LEVEL AND BOLTED TO FLOOR.
  
- READ COMPRESSOR OPERATING AND/OR INSTRUCTION MANUAL AND UNDERSTAND COMPRESSOR OPERATION AND CONTROLS PRIOR TO STARTING UNIT.

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**START UP**

- WITH POWER OFF AND LOCKED OUT, CHECK ALL MOTOR WIRING AND ALL PANEL TERMINAL CONNECTIONS.
  - CHECK CORRECT ROTATION OF DRIVE MOTOR. NOTE; MOMENTARILY BUM START TO CHECK ROTATION. IF ALLOWED TO RUN IN WRONG ROTATION, AIR END DAMAGE WILL OCCUR.
  - CHECK CORRECT ROTATION OF AIR/OIL COOLER FAN.
  
  - CHECK OPERATING PRESSURE ON THE UNIT. OBSERVE AND ADJUST CONTROLS FOR PROPER OPERATION OF THE COMPRESSOR UNIT AND SYSTEM PRESSURE.
  - CHECK WATER SERVICE AND WATER FLOW RATES/TEMPERATURES NOT TO EXCEED 110° F.
- CHECK FOR UNUSUAL NOISE.
  - CHECK FOR NORMAL VIBRATION LEVEL.
  - CHECK UNIT FOR ANY AIR, WATER AND OIL LEAKS AND CORRECT AS NECESSARY.
  
  - CHECK FOR PROPER VENTILATION THROUGH AND AROUND THE UNIT.

**OPERATIONAL INFORMATION:**

MEASURE LINE VOLTAGE L1. \_\_\_\_\_ L2. \_\_\_\_\_ L3. \_\_\_\_\_  
(BEFORE STARTING)

MEASURE AT FULL LOAD:  
LINE VOLTAGE L1. \_\_\_\_\_ L2. \_\_\_\_\_ L3. \_\_\_\_\_  
DRIVE MOTOR AMPS L1. \_\_\_\_\_ L2. \_\_\_\_\_ L3. \_\_\_\_\_  
FAN MOTOR AMPS L1. \_\_\_\_\_ L2. \_\_\_\_\_ L3. \_\_\_\_\_

NOTE: SET OVERLOADS ACCORDING TO MEASURED AMPS.

AMBIENT ROOM AIR TEMP \_\_\_\_\_ °F  
AIR/OIL TEMP AS SHOWN ON \_\_\_\_\_ °F  
STARTER PANEL GAUGE \_\_\_\_\_ °F  
SUMP AIR PRESSURE FULL LOAD \_\_\_\_\_ PSIG  
UNIT DISCHARGE AIR PRESSURE \_\_\_\_\_ PSIG  
AT FULL LOAD \_\_\_\_\_ PSIG  
PRESSURE SETTING: LOAD \_\_\_\_\_ PSIG  
UNLOAD \_\_\_\_\_ PSIG  
MODULATION SET \_\_\_\_\_ PSIG

NOTE: REVIEW COMPRESSOR NAMEPLATE FOR MAXIMUM DISCHARGE AIR PRESSURE SETTING.

**INSTALLATION INFORMATION:**

LOCATION:  INDOOR-HEATED  INDOOR-NON HEATED  CLEAN  DUSTY  ADVERSE  
NOTE: FREEZE PROTECTION MAY BE REQUIRED TO VALIDATE WARRANTY.

OUTDOOR LOCATION  PROTECTED FROM THE ELEMENTS  CLEAN  DUSTY  ADVERSE  
NOTE: WARRANTY MAY BE VOID IF UNIT IS INSTALLED WITHOUT OUTDOOR AND FREEZE PROTECTION PACKAGES.

SUMMER AMBIENT TEMPERATURE RANGE \_\_\_\_\_ °F TO \_\_\_\_\_ °F  
WINTER AMBIENT TEMPERATURE RANGE \_\_\_\_\_ °F TO \_\_\_\_\_ °F  
SYSTEM AIR RECEIVER SIZE \_\_\_\_\_ GALLONS

- REVIEW WITH OWNER OR DESIGNATED PERSONNEL CORRECT OPERATING PROCEDURES, ROUTINE MAINTENANCE SCHEDULES AND OIL SAMPLING REQUIREMENTS.
- CUSTOMER HAS PURCHASED ANNUAL MAINTENANCE KIT AND OIL.  
-IF RS10-30 EITHER STANDARD OR HEAVY DUTY INTAKE FILTER MUST BE SPECIFIED. REFER TO PARTS MANUAL OR CONTACT DISTRIBUTOR FOR ASSISTANCE.
- OPTIONAL EXTENDED WARRANTY COVERAGE REVIEWED. CONTACT DISTRIBUTOR OR GO TO [www.fscurtis.com](http://www.fscurtis.com) FOR DETAILS.
- OVERALL CONDITION AND APPEARANCE OF UNIT IS GOOD EXCEPT AS NOTED:

COMPANY NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIPCODE: \_\_\_\_\_  
OWNER'S REPRESENTATIVE: \_\_\_\_\_  
CURTIS DISTRIBUTOR: \_\_\_\_\_  
INSTALLED BY: \_\_\_\_\_

KEEP ORIGINAL – SEND COPY TO THE CUSTOMER SERVICE DEPT.

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