

Title of Training	Air Compressor Training		
Equipment Info.	Make/Type/Size/Model	Ingersoll Rand P185 WD Air Compressor	
Material Needed	Operators Manual		
	Open Area to perform Set up- Starting & Shutdown process	Orange cones or barrier tape to demarcate area.	

PERSONAL PROTECTIVE EQUIPMENT



Safety glasses must be worn at all times in work areas.



Long and loose hair must be contained.



Ensure all flammable materials are safely stored.



Safety Work Boots with defined heel must be worn at all times in work areas.



Close fitting/protective clothing must be worn.



Rings and jewellery must not be worn.

SETTING UP

PLACE THE UNIT IN AN OPEN, WELL-VENTILATED AREA. POSITION AS LEVEL AS POSSIBLE. CHOCK THE WHEELS ON THE UNIT TO PREVENT THE MACHINE FROM ROLLING.

BEFORE STARTING



1. OPEN SERVICE VALVES TO ENSURE PRESSURE IS RELIEVED IN RECEIVER-SEPARATOR SYSTEM. CLOSE VALVES IN ORDER TO BUILD UP FULL AIR PRESSURE AND ENSURE PROPER OIL CIRCULATION.

2. CHECK BATTERY FOR PROPER CONNECTIONS AND CONDITION.

3. CHECK THE ENGINE OIL LEVEL. MAINTAIN PER MARKS ON THE DIPSTICK.

4. CHECK THE FUEL LEVEL. ADD ONLY CLEAN DIESEL FUEL FOR MAXIMUM SERVICE FROM THE ENGINE.

5. CHECK THE COMPRESSOR LUBRICATING OIL LEVELS. THE PROPER OIL LEVEL IS MID-WAY ON THE SIGHT GAUGE. ADD OIL IF THE LEVEL FALLS TO THE BOTTOM OF THE SIGHT GAUGE. DO NOT OVERFILL.

STARTING

1. TURN THE POWER SWITCH TO “ON”.

2. TURN THE POWER SWITCH TO START POSITION TO CRANK ENGINE.

Trainee Name (print)		Signature of Trainee	
Instructor Name		Date of Training	
Scan To:	Safety/Training/Equipment/Ingersoll Rand Compressor/YYYY-MM-DD		
Revision # 002-15	Page 1 of 4		

Title of Training	Air Compressor Training		
Equipment Info.	Make/Type/Size/Model	Ingersoll Rand P185 WD Air Compressor	
Material Needed	Operators Manual		
	Open Area to perform Set up- Starting & Shutdown process	Orange cones or barrier tape to demarcate area.	

NOTICE: DO NOT OPERATE THE STARTER MOTOR FOR MORE THAN 10 SECONDS WITHOUT ALLOWING AT LEAST 30 SECONDS COOLING TIME BETWEEN START ATTEMPTS.

COLD WEATHER STARTING: OPEN MANUAL BLOW DOWN VALVE, AND PRESS ETHER INJECT BUTTON (SPARINGLY). CLOSE MANUAL BLOW DOWN VALVE AFTER THE ENGINE IS RUNNING. RELEASE POWER SWITCH, WHEN THE ENGINE STARTS AND SUSTAINS RUNNING. ALLOW ENGINE TO WARM UP 5 TO 10 MINUTES. **CAUTION:** ETHER IS AN EXTREMELY VOLATILE, HIGHLY FLAMMABLE GAS. USE SPARINGLY! IF TOO MUCH IS INJECTED, THE UNCONTROLLED EXPLOSION MAY RESULT IN COSTLY DAMAGE TO THE ENGINE.

STOPPING

1. CLOSE AIR SERVICE VALVE. ALLOW THE UNIT TO RUN AT AN IDLE FOR 3 TO 5 MINUTES TO REDUCE THE ENGINE TEMPERATURES.
2. TURN THE POWER SWITCH TO THE **OFF** POSITION. WHEN THE ENGINE STOPS, AUTOMATIC BLOW DOWN VALVE SHOULD RELIEVE SYSTEM AIR PRESSURE. IF AUTOMATIC BLOW DOWN VALVE MALFUNCTIONS IS SUSPECTED, OPEN THE
3. MANUAL BLOW DOWN VALVE. NEVER ALLOW THE UNIT TO SIT UNDER PRESSURE WHEN THE ENGINE IS NOT RUNNING.

WARNING: SINCE THE SERVICE VALVE IS CLOSED, AIR DOWN STREAM OF THE VALVE MAY BE TRAPPED. A VENT HOLE IN THE SERVICE VALVE WILL SLOWLY BLEED AIR FROM THE HOSE. DO NOT DISCONNECT HOSES UNTIL ALL AIR PRESSURE HAS BEEN VENTED.

WARNING: THIS MACHINE PRODUCES LOUD NOISE WITH DOORS OPEN. EXTENDED EXPOSURE TO LOUD NOISE CAN CAUSE HEARING LOSS. WEAR HEARING PROTECTION WHEN THE MACHINE IS RUNNING. CLOSE THE SIDE DOORS TO MAINTAIN A COOLING AIR PATH AND TO AVOID RECIRCULATION OF HOT AIR. THIS WILL MAXIMIZE THE LIFE OF THE ENGINE AND COMPRESSOR AND HELP PROTECT THE HEARING OF SURROUNDING PERSONNEL.

SAFE OPERATING PROCEDURE

COMPRESSED AIR

- *Before starting the compressor, be sure the manual and all warning signs have been completely read.*
- *Pipes should be properly labeled that carry compressed air and the direction of air flow correctly labeled with an arrow. Shutoff valves should be properly labeled and*

Trainee Name (print)		Signature of Trainee	
Instructor Name		Date of Training	
Scan To:	Safety/Training/Equipment/Ingersoll Rand Compressor/YYYY-MM-DD		
Revision # 002-15	Page 2 of 4		

Title of Training	Air Compressor Training		
Equipment Info.	Make/Type/Size/Model	Ingersoll Rand P185 WD Air Compressor	
Material Needed	Operators Manual		
	Open Area to perform Set up- Starting & Shutdown process	Orange cones or barrier tape to demarcate area.	

- *identified so air can be shut off quickly in an emergency situation.*
- *Hoses, fittings, regulators, and valves should be inspected periodically for leaks, damage, and other defects.*
- *Goggles must be worn over safety glasses when cleaning with compressed air.*
- *Flexible air hoses should be kept as short as possible to minimize tripping hazards and to reduce whipping action in the event a hose would fail.*
- *High pressure jacketed lines should be anchored at several points to prevent them from whipping.*
- *Quick disconnect fittings should be installed on flexible air hoses in high fire hazard areas; the hoses can be disconnected quickly, preventing whipping actions that might not only cause injury and damage but also stoke a fire.*
- *Use a vacuum system rather than compressed air for cleaning whenever possible.*
- *Vacuuuming stirs up less dust and other particles than an air compressor does.*

DO NOT use compressed air to:

- *Transfer flammable liquids.*
- *Static electricity build-up can discharge and ignite the liquid.*
- *Empty containers. The container could rupture due to excessive interna pressure.*
- *Clean clothes, hair, or skin.*
- *When using compressed air, direct air away from eyes and skin.*
- *To reduce noise exposure and prevent exhaust from the equipment or tool, direct the pressure relief valve away from work areas.*

This Safety Training Topic (STT) does not necessarily cover all possible hazards associated with this equipment and should be used in conjunction with equipment manual. It is designed as a guide to be used to compliment training in the field at Brieser Construction and as a reminder to users prior to equipment use.

Trainee Name (print)		Signature of Trainee	
Instructor Name		Date of Training	
Scan To:	Safety/Training/Equipment/Ingersoll Rand Compressor/YYYY-MM-DD		
Revision # 002-15			Page 3 of 4

Title of Training	Air Compressor Training		
Equipment Info.	Make/Type/Size/Model	Ingersoll Rand P185 WD Air Compressor	
Material Needed	Operators Manual		
	Open Area to perform Set up- Starting & Shutdown process	Orange cones or barrier tape to demarcate area.	

EMPLOYEE NAME (Print or Type)	EMPLOYEE SIGNATURE	TRADE	JOB TITLE
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			

Trainee Name (print)		Signature of Trainee	
Instructor Name		Date of Training	
Scan To:	Safety/Training/Equipment/Ingersoll Rand Compressor/YYYY-MM-DD		
Revision # 002-15	Page 4 of 4		