



# SINGER INSTRUMENTS

A RESPONSIBILITY TO SCIENCE!

## ROTOR – AIR CONNECTIONS

### INTRODUCTION

When moving the ROTOR or performing maintenance it is occasionally necessary to disconnect an air connection either at the ROTOR or at the compressor. These instructions are the same for all types of compressor or air supply although on the enclosed compressors (Jun Air) it might be necessary to open up the door to gain access to the compressor pump itself.

Please follow the instructions and photos closely. If you are not confident in what you are doing please contact a professional for advice.

Make sure the compressor is turned off when doing any maintenance. You are advised to wear eye and ear protection when working with air lines.

If you have any questions do not hesitate to contact Singer Instruments for more information.

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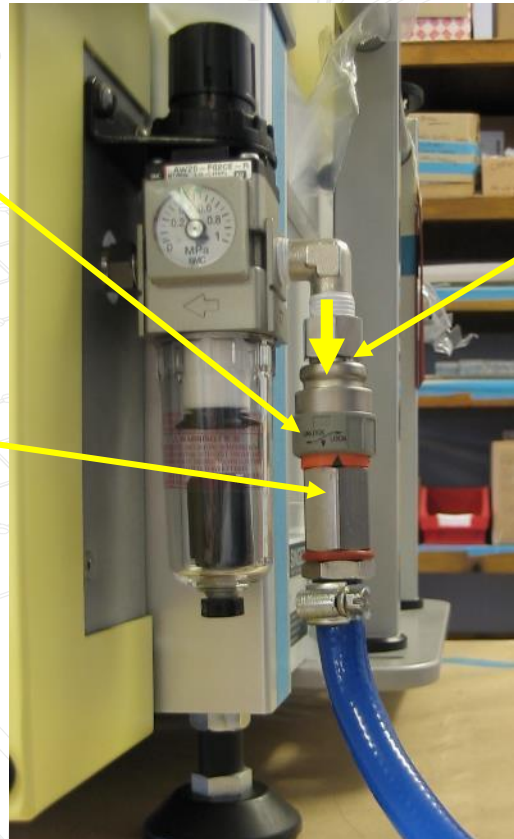
## ROTOR – AIR CONNECTIONS

The airline is connected to the ROTOR at the back left corner (if looking from the front). The connection is the same whether you are using a compressor or your own airline.

**When disconnected an automatic seal is made within the connector which means that there will be air pressure in the line to the compressor.**

Rotate the collar anti-clockwise until the orange band disappears. If the orange band is visible it is not possible to disconnect.

Hold here with some upward pressure



Push down here and remove connection

Please be aware that there is likely to be some air left in the ROTOR when you disconnect so there may be a burst of air. Please keep your face clear.

To **reconnect** make sure orange band is not visible, support the connection with your hand and push up until the connector clicks into place. Rotate the collar to prevent accidental disconnection



## ROTOR – AIR CONNECTIONS

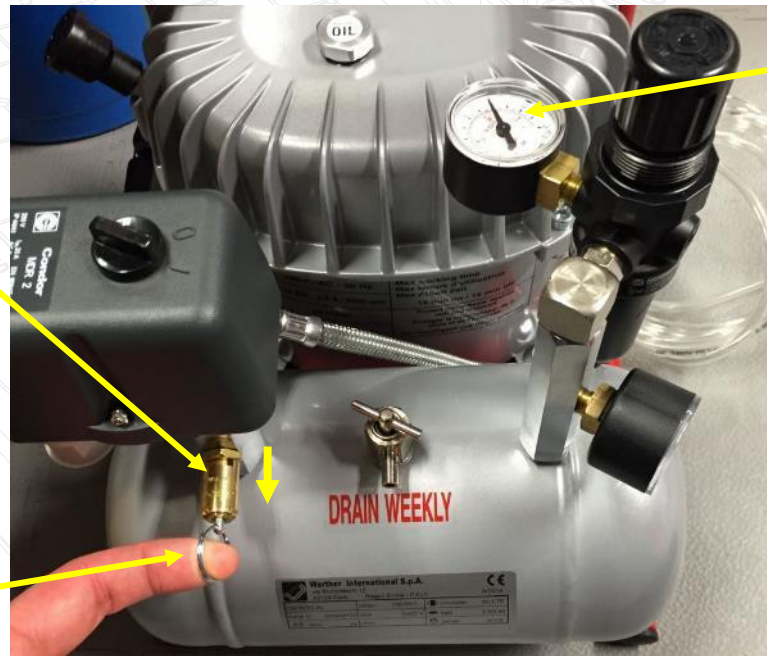
### Disconnection at the compressor end.

It is advised that you disconnect the airline from the ROTOR before disconnecting at the compressor end. These instructions are the same for all compressors although on the Jun Air compressors it will be necessary to open the cabinet to gain access to the compressor pump. This is done by removing 2 locking screws on the catches, open the catch and rotate through 90 degrees.

**When releasing pressure in the compressor there will be a very loud rush of air. You should wear eye and ear protection.**

Locate pressure release valve which will often have a ring attached to it.

Pull ring hard to release pressure until all the air is expelled



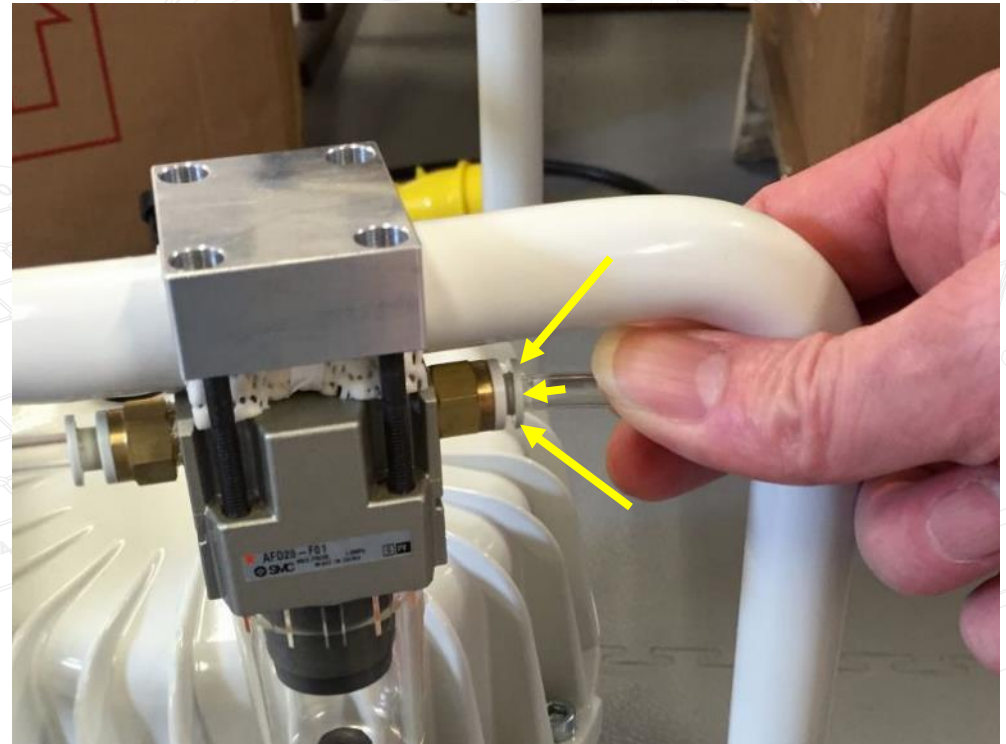
Observe pressure gauge to make sure that the needle returns to 0.



## ROTOR – AIR CONNECTIONS

To disconnect any tubing from the compressor the process is the same. On some compressors the connections may be metal. To be able to release these connections all of the air must be expelled from the compressor.

Grip the tube with one hand and with the other pull/ push the collar indicated by the arrows in the directions shown. This should allow you to pull the tube clear of the connection.



If the tube won't pull out there are 2 possible reasons.

- There is still air in the tube
- The collar has not been pulled/ pushed back far enough

To **reconnect** simply push the tube into the connector as far as it will go. Pull back to make sure that the tube is gripped.