

Why Condition and operational service of the BEV85 Oil Free Air Compressor

Time required 20 minutes to complete

Hazard icons  Compressed Gas/Air/Liquid  Electricity  Hot Surfaces  Chemicals

Tools and supplies



Videos are available to support this equipment from Hoshizaki Lancer. Please see: www.lancerbeverage.com

Overview:
<https://youtu.be/-pKwifqzQEY>


Troubleshooting:
<https://youtu.be/OobMs8csyj0>

Service:
https://youtu.be/_jS9Mm8xmXQ

Procedure

- 1 Change Over to CO2 supply**
Switch main Beverage Control Panel over to back-up CO2 supply.



- 2 Isolate Air Compressor – Electrical**
 Electricity
Press the red button on the pressure switch to turn off the compressor.




Isolate and disconnect the electrical lead from the wall socket.



- 3 Isolate Air Compressor – Air Supply**
Turn the supply air tap off, ¼ turn. The red handle will be 90 degrees to the hose when off.




- 4 Drain air tank**
 Compressed Gas/Air/Liquid
Drain the air tank through the Drain Cock on the base of the receiver tank.



Turn Clockwise, slowly loosen Drain Cock to release compressed air. Monitor for excessive moisture draining from the tank.



 **Equipment Alert**
Compressed air use of Gloves & safety glasses is required.

Replace Tank Drain Cock
Wipe drain cock clean.



Refit drain cock, turning anti-clockwise, ensure finger tight fitment.

continued ▶

- 5 Inspect and Drain Regulator Filter bowl.**
Check the condition of the condensation bowl at the base of the Filter Regulator. If dirty and/or more than 10mm of moisture present remove & clean.



Remove Regulator Filter Bowl

Turn Clockwise and pull down to remove.

Clean with warm soapy water.



Remove Regulator Brass Filter

Turn the Brass Cartridge Clockwise to loosen and remove.

Clean with warm soapy water.

Clean by placing in sanitiser alcohol to soak and shake.

Refit by turning anti-clockwise once cleaned or replaced.



Replace Regulator Filter Bowl

Push up and turn anti-clockwise to replace bowl.

6 Access Air filters (2 of)

Twist anti-clockwise and pull on the filter casing cap to expose the filter element inside.



Inspect & Clean air filter

Clean filter by Tapping or dust off from back direction.

Inspect behind filter, if housing is dirty or oily wipe clean.



Equipment Alert

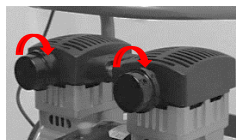
Replace filters every quarter where installed outdoors, in damp, dusty or oily environments.



Replace air filter & Cap

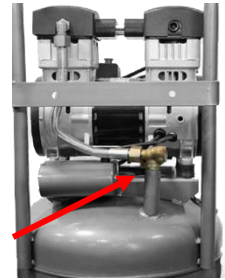
Replace air filter.

Locate filter cap onto the housing and twist clockwise to replace and lock into place.



7 Inspect the Non-Return Valve Seal

 Hot Surfaces




With the use of a Spanner turn the nut anti-clockwise to loosen.



Remove and expose the spring & seal.



 **Tip**
Note orientation of parts as removing them.


Inspect & wipe Clean face of seal & NRV body.



Replace Seal & Spring, and nut. Tighten using only fingers, in a Clockwise direction.



8 Re-connect and energise the electrical supply to the air compressor

 Electricity
Plug electrical lead into socket outlet and lift red button on pressure switch to turn on the air compressor.



9 Check for air leaks

Monitor the tank pressure gauge, listen for leaking air (hissing) and/or use soapy water to inspect air fittings, pipe joints & connections.



Tip
Compressor will run for about 1 minute 30 second before cycling off.



Check the NRV Operation
When the compressor reaches its cut-out pressure there should be a shot of air from underneath the pressure switch. If this shot of air is not evident or the air continually leaks replace the Non-Return Valve Seal & Spring.

10 Test auto-drain

Press the "TEST" button on the Auto Drain which should release a burst of air and then stop.
If this does not work have the compressor checked by an approved service agent.



11 Re-connect air supply

Turn the supply air tap on, 1/4 turn. Handle will be in line with the hose.
This is the red handle.



12 Change Over to

Compressed Air supply
Switch main Beverage Control Panel over to Compressed air supply from CO2 supply.

