

3: Option - Compressed Air Connection Unit

Note

The compressed air connection unit is fitted as standard to the Triac VMC.

The compressed air connection unit is fitted to the Triac PC when any of the following options are included:

- ATC.
- Hydraulic vice.
- Pneumatic door.

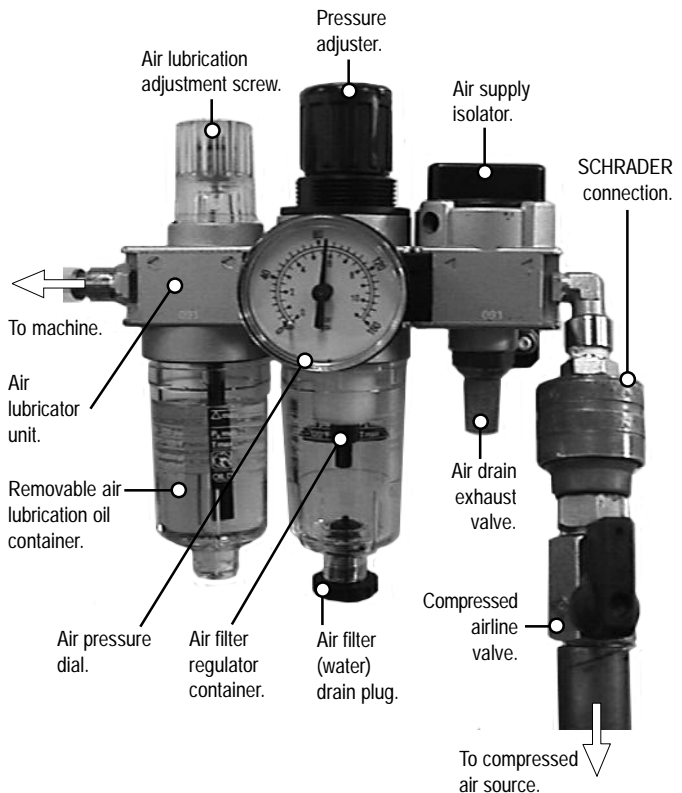
Compressed Air Connection Unit.

A compressed air connection unit is fitted to the back panel of the Triac cabinet, comprising of three main elements:

- The air supply connection and isolator valve.
- The air pressure regulator and air filter regulator unit.
- The air lubricator unit.

The single airline connection supplies compressed air for the standard automatic lubrication system, the optional pneumatic guard door and the optional hydraulic vice.

The air compressor must be fitted with a SCHRADER quick release connector. The connection fitted onto the end of the unit is SCHRADER part number SC 8Ø51-11 1/8 BSP MALE. The female connector required on the 1/4" pipe leading to the air compressor is SCHRADER part number 9793C-12 1/4" BSP FEMALE.



3: Option - Operation of the Compressed Air Connection Unit

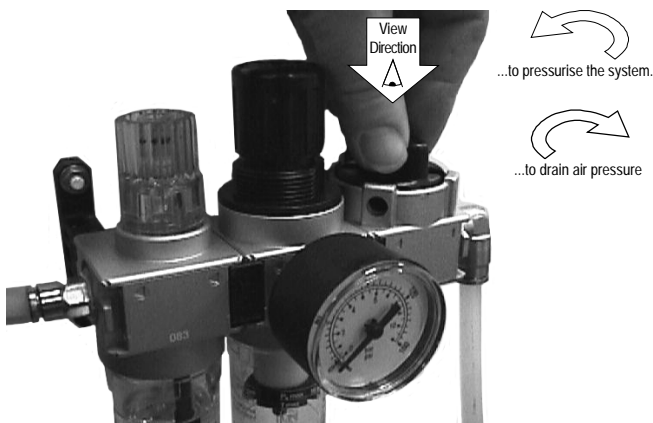
Air Supply Isolator Unit.

The air supply isolator unit is used to pressurise or drain the compressed air system.

To pressurise (switch on) the system, turn the control fully anticlockwise (when viewed from above), until the flat surface of the handle aligns with the general airflow direction.

To depressurise (switch off) the system, turn the control fully clockwise (when viewed from above), until the flat surface of the handle lies at ninety degrees to the general airflow direction.

When the system is depressurised, the conical air drain exhaust valve, positioned directly under the air supply isolator, is used to dump any remaining air pressure.



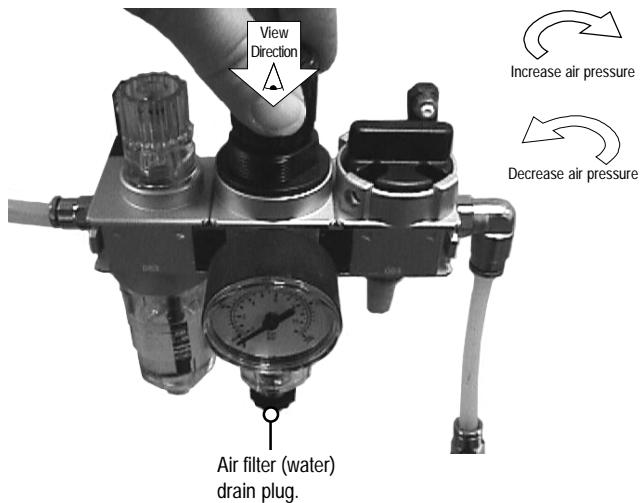
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Air Filter Regulator Unit.

The air regulator unit is used to adjust the air pressure level, with a readout being displayed on the dial gauge.

The normal operating pressure (as supplied, preset on the machine) is 100 PSI (6.6 Bar). Maximum pressure for the air regulator is 150 PSI (9.9 Bar).

Always check the main supply pressure before adjusting pressure at the regulator. To adjust the pressure, pull up the rotary control to unlock it from its current position. Turn the control clockwise (when viewed from above) to increase pressure, or anticlockwise (when viewed from above) to decrease pressure. Push the rotary control down to relock it in its new position.



The air filter unit, positioned below the dial gauge, cleans and removes any water particles from the compressed airstream.

Regularly drain any water collected in the filter container (the bottle below the dial) using the removable plug positioned at the bottom of the container. The interval at which this operation is required will depend on the type and condition of the air compressor being used.

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Air Lubricator Unit.

The oil lubricator unit is used to blend a fine mist of oil with the compressed airstream. The unit eliminates the potential damaging effects of any moisture that may be present and automatically lubricates any hardware within the air system. The amount of oil blended with the pressurised air can be adjusted using the screw, set inside the plastic cap.

To increase the oil flow, use a flat bladed screwdriver to turn the screw anticlockwise (when viewed from above).

To decrease the oil flow, use a flat bladed screwdriver to turn the screw clockwise (when viewed from above).

The rate of flow is preset at the factory, according to the various pneumatic options fitted to your Triac, at the time of manufacture. This rate should NOT require adjustment through normal day-to-day use of the CNC machine.

To refill the air lubricator unit, you must unscrew and withdraw the entire oil container, positioned directly below the oil flow adjustment screw and cap. Refill the container using oil grade - ISO VG 32.

