

## What is a Filter Regulator Lubricator Boxset?

A filter regulator lubricator, also known as an FRL boxset, is a pre-assembled air preparation kit, which includes a range of components, designed to offer a complete air treatment solution. The boxset commonly includes a filter/regulator and a lubricator, with the associated fittings and wall mounting brackets. Other accessories can also be added to a combined FRL boxset, including pressure switches and 3/2-Way Shut Off Valves. [MGA Controls](#) stock a selection of combined FRL boxsets and provide need to know information regarding the **function of a filter regulator lubricator**.

### How a filter regulator lubricator works

The FRL boxset combines three of the major functions of a pneumatic machine. **The functions of the filter regulator and lubricator** are all vital to the efficient working of a machine and they all have their separate purpose in the **workings of an frl**.

#### The function of a filter

The function of the filter is to clean the compressed air by straining the air and trapping solid particles such as dust, dirt and rust and separating liquids such as water and oil. The filter is the first element in the boxset and is used to clean the air before it travels through pipework. For more information on the workings of a pneumatic filter, [read our pdf here](#).

#### The function of a regulator

Pressure regulators control the air pressure to: air tools, air gauging equipment and cylinders etc. The regulators have a spring which acts on a diaphragm to regulate the air pressure. The pressure regulator is predominately a safety feature and helps cut costs.

#### The function of a lubricator

A lubricator controls the quantity of oil in a compressed air system in order to reduce the friction between moving components. Most machinery requires extra lubrication in order to extend their working life, making this feature extremely important. For more information on the function of a lubricator, [read our pdf here](#).

### FRL or filter regulator lubricator maintenance

As the FRL boxset comprises three different components, the maintenance will vary depending on the feature. Maintenance guidelines will be provided when you purchase a combined FRL boxset and the correct maintenance of the valves will depend on the make and model you choose.

### Benefits of a combined FRL boxset

The filter regulator and lubricator are all important components for air preparation. Listed are some of the benefits of purchasing a FRL boxset:

- Cost Efficient
- Ease of Access
- Prolong System Life
- Optimum Function
- Wall Brackets allow system to be mounted
- Shut off Valve allows system to be isolated

[MGA Controls](#) stock a wide range of combined FRL boxsets for your convenience. If you require further information on any of the air preparation products, please contact our technical team today on **+44 1704 898980** or email <mailto:sales@mgacontrols.co.uk>, they will be happy to help.

