KING TONY

FILTER-REGULATOR-LUBRICATOR

NO.799A0 / 799A1

www.kingtony.com

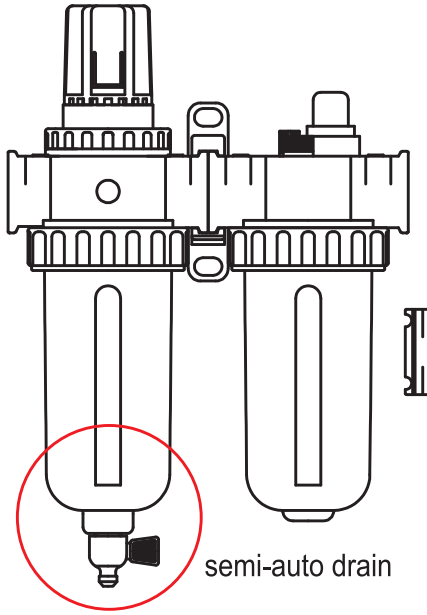
Enjoy your work

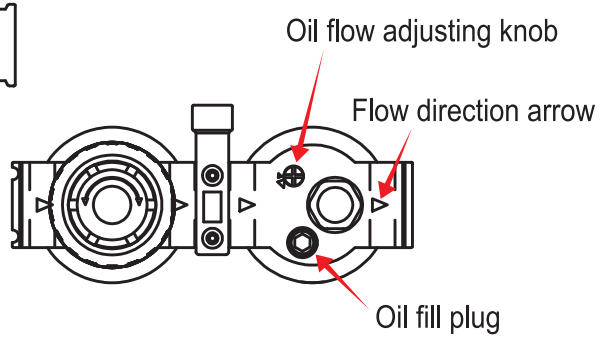
Description

The filter/regulator/lubricator is a three part system.
The filter is designed to remove most liquid and solid particles from the air supply.
The self-relieving pressure regulator is used to adjust the outlet pressure.
The lubricator provides oil to the air tool and increases the life of the tool.

Specifications

Model	0799A0-23C 0799A1-23C	0799A0-33C 0799A1-33C	0799A0-43C 0799A1-43C
Port size	1/4"	3/8"	1/2"
Filter element	5μ		
Max input pressure (psi/mpa)	215/1.5		
Max output pressure (psi/mpa)	7~150/0.05~1		
Max flow (l/min)	1750	2500	3000
Operation temperature range	5~60˚C		
Drain capacity	80 ML		
Oil capactity	150 ML		
Recommendable lubricants	ISO VG-32		





Unpacking

After unpacking the unit, inspect carefully for any damage that may have occurred during transit. Make sure to tighten fittings, bolts, etc., before putting unit into service.

Safety Guidelines

This manual contains information that is very important to know and understand.
This information is provided for SAFETY and to PREVENT EQUIPMENT PROBLEMS.
To help recognize this information, observe the following symbols.

⚠ DANGER

Danger indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING

Warning indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION

Caution indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

General Safety Information

This product is a part of a high pressure system and the following safety precautions must be followed at all times along with any other existing safety rules.
Read this instruction manual before installing this device to the air supply system. Be thoroughly familiar with the controls and the proper use of the equipment.

1. Safety glasses must be worn during operation. Always work in a well ventilated area.
2. Do not exceed any pressure rating of any component in the system.
3. Protect air lines from damage and/or punctures.
4. Check air hoses for weak or worn condition before each use. Make sure all connections are secure.
5. Keep all nuts, bolts and screws tight and ensure equipment is in safe working condition.

⚠ DANGER

This product is specifically designed for compressed air service ONLY. Use with any other material (liquid or gas) is a misapplication and not permitted.
Use or injection of certain hazardous liquids or gases in the system (such as oxygen, alcohol or liquid petroleum gas) will harm the unit and result in a combustible condition or hazardous external leakage.
Misapplication will void all warranties and manufacturer's responsibilities.

⚠ DANGER

The relief flow capacity of regulators is limited. Install additional pressure relief devices to alleviate over pressurized conditions. Written approval must be obtained from manufacturer if this device is to be used for life support systems or other non-industrial applications.

Installation

1. The assembly of all calibration shall meet the maximum flow requirement.
2. Direction air flow in the triangle "►" on the primary unit.
3. Site as close to the unit to be protected as possible.
4. Place free of direct sun shine, hot area , and hazardous chemicals.
5. The water drainage shall be deployed beneath the water discharge for outlet of water into proper area.
6. Site as close to the unit to be lubricated as possible.
7. Direct installation of filter pressure regulator before the lubricator.
8. Add the lubricant into the oil cup.

Operation/Maintenance

A. Filter-Regulator

1. Before pressurizing system, make certain the bowl is securely locked in place by hand tightening the bowl ring until it is snug.
2. Unlock the regulator adjusting knob by pulling knob away from the regulator.
3. Turn the regulator adjusting knob counterclockwise until no load is on the regulating spring.
4. Turn on the air pressure supply and turn the adjusting knob clockwise until the desired outlet pressure is reached. Push the regulator adjusting knob toward the regulator to lock in desired pressure.
5. Inspect and replace cracked, damaged or deteriorated seals. wipe bowls with a soft, dry cloth to clean.
6. Replace filter element moment:When filter element dirty bring flow and filter effect become less.
7. Drain bowls at least once per work shift. to avoid spray or splatter, cover bottom of filter with a cloth and turn the manual drain.
8. Before placing the unit in service, make sure the bowl is reinstalled and securely locked in place.
9. Drainage:
   - If no pneumatic pressure, water will discharge.
   - When there is pneumatic pressure coming, discharge will be stopped automatically.
   - When the water level exceeds the maximum limit, please drain off the water to keep optimal dehumidification.

B. Lubricator

1. Before pressurizing system, make certain the bowlis securely locked in place by hand tightening the bowl ring until it is snug.
2. Fill the lubricator bowl with oil.
3. The oil flow is controlled by the narrow cylindrical adjustment screw. Turn counterclockwise for more or clockwise for less oil delivery rate automatically adjust with changes in air flow.
4. The lubricator can be filled while the system is under pressure. Slowly remove the oil fill plug to allow relief of air pressure. After the oil fill plug has been removed . Pour oil into the lubricator and then replace it. Replace the oil fill plug before resuming operation.
   Alternatively, the bowl can be removed once the oil fill plug is removed. If the bowl is removed to replace the oil, be certain the bowl is back in place and bowl ring tight before replacing the oil fill plug.