

Chantek®

air



AIR REGULATOR

MODEL NO: CAT865

PART NO: 3120167

OPERATING & MAINTENANCE INSTRUCTIONS

INTRODUCTION

Thank you for purchasing this CLARKE Air Regulator.

Before attempting to use this product, please read this manual thoroughly and follow the instructions carefully. In doing so you will ensure the safety of yourself and that of others around you, and you can look forward to your purchase giving you long and satisfactory service.

Your Air Regulator has been designed to give long and trouble free service. If, however, having followed the instructions in this booklet carefully, you encounter problems, take the unit to your local CLARKE dealer.

SPECIFICATIONS

Dimensions (D x W x H)	113 x 70 x 149 mm
Weight	0.8 kg
Air Inlet /Outlet Size	1/2" BSP (female)
Max Operating Pressure	140 psi / 9.7 bar (9.9 kgf/cm ²)
Max Supply Pressure	213 psi /14.7 bar (15 kgf/cm ²)
Regulating range	0.5 - 8.3 bar (7.25-120 psi)
Ambient/Media Temperature	5-60 deg C

GUARANTEE

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt which will be required as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

GENERAL SAFETY RULES



CAUTION: FAILURE TO FOLLOW THESE PRECAUTIONS COULD RESULT IN PERSONAL INJURY, AND/OR DAMAGE TO PROPERTY.

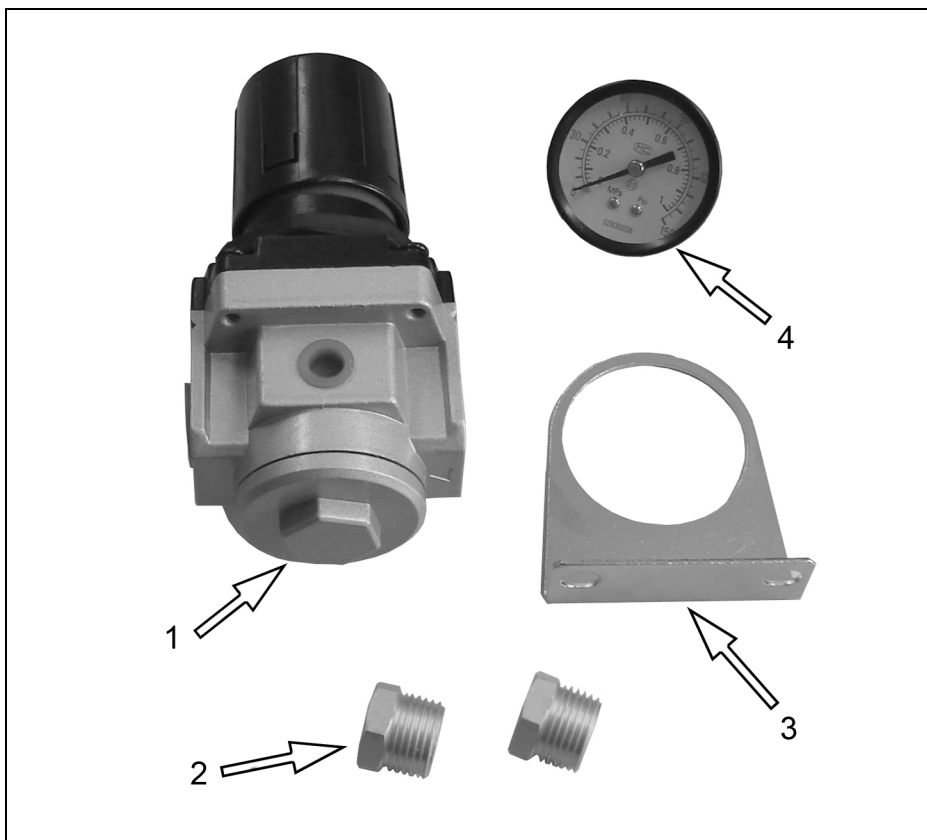
WORK ENVIRONMENT

1. Keep the work area clean and tidy.
2. Dress appropriately - do not wear loose clothing or jewellery. Tie long hair out of the way.
3. Keep children and visitors away - do not let children handle the tools.
4. Do not operate air tools where there are flammable liquids or gases.

USE OF AIRLINE EQUIPMENT

1. Stay alert and use common sense - do not operate an air tool when you are tired or under the influence of alcohol, drugs or medication.
2. Do not overreach - Keep proper footing and balance at all times.
3. Never use oxygen, CO₂, combustible gasses or any type of bottled gas as a source of power for air tools.
4. Do not exceed the maximum pressure for the airline component stated in the specification.
5. Check airline hoses for leaks or worn condition before use and ensure that all connections are secure.
6. Keep the air supply hose away from heat, oil and sharp edges.
7. Avoid damaging the component for example by applying excessive force of any kind.
8. Always maintain the air tool with care. Keep it clean for the best and safest performance.

OVERVIEW



When opening the carton for the first time, check against the following list that all the items are present. Any damage or deficiency should be reported to your CLARKE dealer immediately.

NO	DESCRIPTION
1	In-line Air Regulator
2	2 x 1/2" to 1/4" BSP adaptors

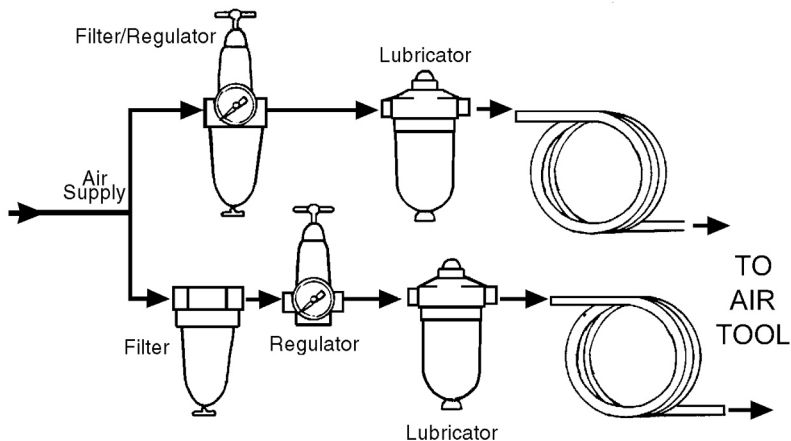
NO	DESCRIPTION
3	1 x Wall Bracket
4	1 x Pressure Gauge

COMPRESSED AIRLINE REQUIREMENTS



WARNING: COMPRESSED AIR CAN BE DANGEROUS. ENSURE THAT YOU ARE FAMILIAR WITH ALL PRECAUTIONS RELATING TO THE USE OF COMPRESSORS AND COMPRESSED AIR SUPPLY.

- Use only clean, dry, regulated compressed air as a power source.
- Air compressors must comply with the appropriate European Community Safety Directives.
- A build-up of moisture in the air compressor will accelerate wear and corrosion in the air tool. Ensure any moisture is drained from the compressor daily and the airline filter is kept clean.
- If an unusually long air hose is required, (over 8 metres), the line pressure or the hose inside diameter may need to be increased.
- The air hose must be rated at least 150% of the maximum operating pressure of the air tool.



- A typical air line layout is shown above. If an automatic in-line filter/regulator is used, it will keep the tool in good condition, but should be regularly checked and topped up with oil. SAE 10 oil should be used, and the lubricator adjusted to approx 2 drops per minute.
- Never exceed the maximum operating pressure for the air tool. Ensure that air pressure does not exceed that stated in the specification for the tool when running. Higher pressures and contaminated air will shorten the life of the air tool due to faster wear and is a possible safety hazard.

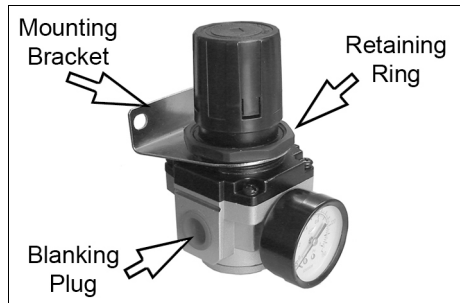
INSTALLATION



WARNING: COMPRESSED AIR CAN BE DANGEROUS. ENSURE THAT YOU ARE FAMILIAR WITH ALL PRECAUTIONS RELATING TO THE USE OF AIR COMPRESSORS AND COMPRESSED AIR SYSTEMS.

Ensure the compressor is turned off.

1. Fit the mounting bracket to a suitable support, situated in line with the compressed air supply.
 - Ensure sufficient free space above the regulator for future adjustments.
2. Remove the retaining ring and fit the regulator to the mounting bracket.
 - Note the arrow mark underneath the regulator body, indicating the direction of air flow.



3. Fit the pressure gauge to the threaded port on the front of the regulator.
4. Remove the blanking plugs from the connection ports and connect to the supply and delivery hoses.

NOTE: Note that a pair of 1/2" to 1/4" BSP adaptors are supplied.

5. Use PTFE tape if required, to ensure airtight connections.
6. Your regulator is now ready for use.

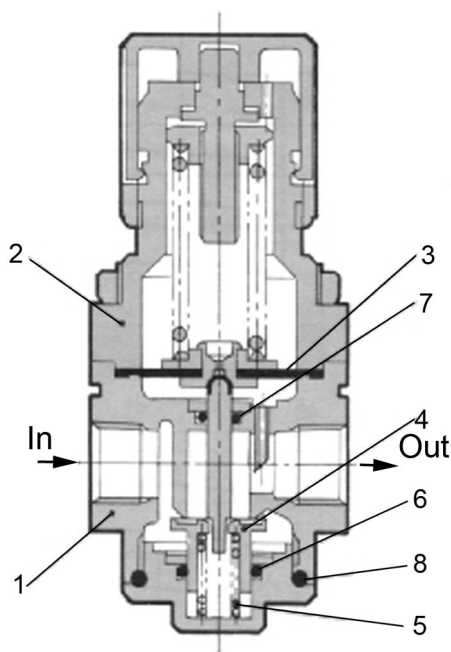
SETTING

1. The adjustment knob is of the locking type. Pull the knob away from the body until the red band is visible. Adjust the air supply as required and push the knob back down to its locked position to prevent accidental setting changes.
 - Turning the adjustment knob clockwise increases the pressure. Turning counter clockwise will reduce the pressure.
 - **+ and - are marked on the knob.**

AIRLINE MAINTENANCE

1. Before using the airline, drain water from the air reservoir at the compressor.
2. Check the supply airline filter for blockage and clean if necessary.

PARTS LIST & DIAGRAM



No	Description
1	Body
2	Bonnet
3	Diaphragm Assembly
4	Valve Assembly

No	Description
5	Valve Spring
6	Valve O-Ring
7	O-Ring
8	O-Ring

ACCESSORIES

A wide range of accessories is available including filter/regulators, lubricators, high-pressure hoses (5 to 50 metres) etc.

Contact your CLARKE dealer for further information or CLARKE International Service Department.

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