INSTRUCTIONS

NR1000 Nitrogen Regulator

SAFETY AND OPERATING INSTRUCTIONS

▪ REGULATOR SET–UP

1. Carefully inspect the suitable cylinder valve and regulator threads and mating surfaces for traces of oil or grease.
   Make sure the regulator has the correct pressure rating for the cylinder being used.

> **⚠ WARNING**
>
> **DO NOT use the regulator if oil, grease or damaged parts are detected on the regulator or the suitable cylinder valve or if the inlet filter is missing or dirty. Inform your gas supplier of this condition immediately. Have a qualified repair technician clean or repair the regulator.**

2. Momentarily open and close (called "cracking") the cylinder valve. This dislodges any loose contaminant that is present.

> **⚠ CAUTION**
>
> **Open the cylinder valve only slightly. If the valve is opened too much the cylinder could tip over. When "cracking" the cylinder valve, DO NOT stand directly in front of the gas valve discharge portion. Stand behind or to one side. Crack the cylinder valve only in a well ventilated area.**

3. Attach the regulator to the suitable cylinder valve. Tighten securely.

4. Before opening the cylinder valves, release the tension on the regulator adjusting screws by turning counterclockwise until all spring pressure is released.

▪ TURNING ON CYLINDERS

1. Be certain that tension on the regulator adjusting screws is released. Stand so the cylinder valve is between you and the regulator.

> **⚠ WARNING**
>
> **Never stand in front or behind a regulator when opening the cylinder valve. Always stand so that cylinder is between you and the regulator.**

2. Slowly and carefully open the cylinder valve until the maximum pressure registers on the high pressure gauge. Now, open the cylinder valve completely to seal the valve packing.

▪ OPERATING INSTRUCTIONS

The instructions above are for experienced operators. They assume that the user has knowledge or training in operating oxy-acetylene equipment. If you do not have any knowledge or training, we urge you to take a course or relevant training.

Remember that your regulator is a precision instrument designed to control gas at high pressures. If used in accordance with these instructions and given reasonably good care, it should give you satisfactory service for many years.

BRADLEY

Distributed by

Huddleston New Zealand

(+64) 09 283 0583
info@huddleston.nz
huddleston.nz

Huddleston Australia

(+61) 08 7077 4600
info@huddleston.com.au
huddleston.com.au

INSTRUCTIONS

NR1000 Nitrogen Regulator

WARNING

NITROGEN GAS CAN BE DANGEROUS
THESE INSTRUCTIONS MUST BE GIVEN
TO THE END USER OF THE
NITROGEN REGULATORS

WARNING: Nitrogen cylinders contain high-pressure gas which can be hazardous if not handled properly. Make sure you **READ** and **UNDERSTAND** the following procedures for nitrogen cylinders **BEFORE** installation.

1. **ALWAYS** connect the nitrogen cylinder to a regulator in a dispensing system. Failure to do so could result in an explosion with possible death or injury when the cylinder valve is opened.
2. **NEVER** connect the nitrogen cylinder directly to the product container.
3. **ALWAYS** follow correct procedures when cylinders are changed.
4. **ALWAYS** secure the cylinder in an upright position with a chain.
5. **NEVER** drop or throw a nitrogen cylinder.
6. **ALWAYS** keep a nitrogen cylinder away from heat. Store extra cylinders in a cool place. Securely fasten with a chain in an upright position when storing.
7. **ALWAYS** check the test date on the cylinder before using.
8. **NEVER** connect a product container unless there are two (2) safety's in the pressure system:
(a) one at or on the nitrogen regulator.
(b) one at or on the product coupler or in the pressure gas line.

SAFETY FIRST

How to Install a Nitrogen Regulator or Replace an Empty Nitrogen Cylinder.

1. To shut off gas pressure to regulator always close cylinder valve. Then proceed with step 2.
2. Unscrew (counter clockwise) regulator control knob "B" as far out as it will go. (The regulator is now in the off position).
3. Remove regulator from empty cylinder at "E".
4. Remove dust cap from new cylinder at "E". Open and close valve "A" quickly to blow dust from outlet
5. With cylinder valve "A" in closed position, re-attach regulator to cylinder at "E".
6. Open valve "A" all the way. (This is important because this cylinder valve seals in two places).
7. Screw regulator knob control "B" in (clockwise) until required pressure is reached "D".

A NITROGEN CYLINDER CONTAINS EXTREMELY HIGH PRESSURE REGARDLESS OF SIZE, AND THEREFORE, SHOULD BE HANDLED WITH CARE!

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