TASCO BLACK
INDUST series

Operating Instructions

NFC Nitrogen Flow Control

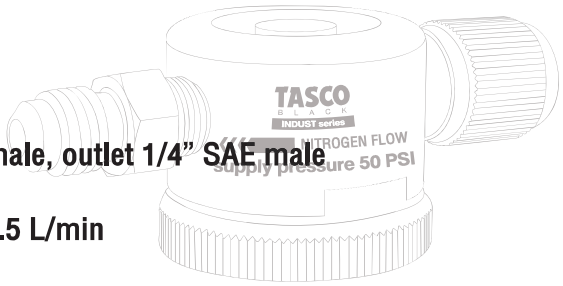
Thank you for purchasing this product. The NFC Nitrogen Flow Control has been designed specifically for use in the HVAC industry by TASCO BLACK. When repairing refrigeration or air conditioning piping, it is important to prevent oxidation around the internal joint. This can be achieved by purging the internal area of the pipe with nitrogen before and during the brazing process.

NFC is a useful solution for this task. The NFC device makes it easy and effective to purge and braze. You can set the flow rate for purging and then switch to the brazing setting for a pre-set flow rate. This device reduces gas usage and prevents any air from entering during the repair process. To use the device, simply connect it to the outlet of a standard nitrogen regulator and use the 1/4 SAE male connection on the outlet for standard HVAC hoses.

WARNING
NFC is intended to be used with a nitrogen regulator and has a maximum supply pressure of 50 PSI.

TECHNICAL DATA

gas : nitrogen
color : black
Connection size : inlet 1/4” SAE female, outlet 1/4” SAE male
maximum supply pressure : 50 PSI
Flow rate : Purge 14 L/min, Braze 3.5 L/min



CLOSE 1 After assembling all the necessary components, insert the required purge device into the pipe and securely twist it to create a seal.

PURGE 2 Before brazing, ensure that the internal pipe system is free from air by purging it for a few minutes. To do this, turn the purge/braze control knob to "PURGE" and slowly open the valve on the nitrogen cylinder and supply pressure 50 PSi.

BRAZE 3 Once the purging process is complete, switch the control knob to "BRAZE" to maintain an inert atmosphere in the pipework by setting the flow rate to a constant 3 L/min. You can now commence with the brazing process.

CLOSE 4 Once you have finished brazing, remove the purge device, turn off the cylinder, and allow all the gas to vent. Finally, disassemble the equipment and pack it away.