TEKEDGE

PART NO: TE-NPT NITROGEN PURGE / BRAZE TOOL

When repairing refrigeration/air conditioning piping, the internal area of the pipe should be purged with nitrogen to prevent oxidation around the internal joint, before and during the brazing process. NPT is an engineered solution to do this easily and effectively.

The device allows you to PURGE at a pre-set regulated flow rate and then click the control knob to engage the BRAZE setting for a pre-set flow suited for brazing operation. The device reduces the amount of gas used and limits any ingress of air during the repair.

The device connects to the outlet of a standard nitrogen regulator and has a 1/4 SAE flare connection on the outlet for standard HVAC hoses.

NITROGEN PURGE TOOL

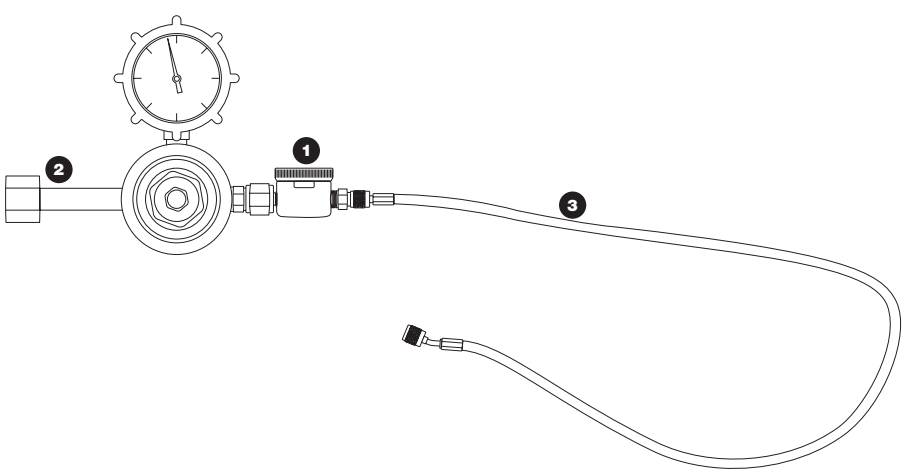
- **TE-NPT**

ASSEMBLY

Fit ❶ the purge and braze device to the outlet of nitrogen regulator.

With the cylinder valve turned off, fit ❷ the regulator to the cylinder valve and tighten using an appropriate spanner.

Connect ❸ the hose with 1/4 SAE flare connections to the outlet of the purge/braze device.



OPERATION

With the assembly complete, the required purge device can be fitted into the pipe and twisted to make a seal.

With the purge and braze device control knob in the "OFF" position, open the valve on the nitrogen cylinder slowly.

Before brazing, the internal pipe system should be purged of air for a few minutes, to expel all air. Turn the purge/braze control knob to "PURGE" for this process.

Once purging is complete, to maintain an inert atmosphere in the pipework, Turn the purge/braze control knob to "BRAZE" for a constant 3 L/min. You can now commence the brazing process.

Once the operation is complete, remove the purge device, turn off the cylinder and allow all gas to vent. The equipment can now be disassembled and packed away.

WARNINGS

Only qualified persons should use this equipment.

SPECIFICATIONS

Materials of construction Body Inlet, outlet and internals	 Aluminum Brass
Gas service	N_2
Performance Maximum working pressure Outlet	350 kPa Purge : 15.3 ± 20% Lpm Braze : 3.0± 20% Lpm
Operating temperature	-20°C to +50°C
Weight	0.110kg
Dimensions	(W) 38 x (L) 80 x (D) 30 mm
Markings	TEKEDGE Maximum working pressure Flow direction
Warranty	1 Year (manufacturer's defect)
Country of origin	Taiwan