

**OPERATIVE MANUAL MOD. ECOGAS
GAS (PROPANE OR BUTANE) TORCHES IN COMPLIANCE WITH REGULATIONS ISO EN 9012
FOR BITUMEN MEMBRANE SEALINGS**

a) TECHNICAL DATA:

Burner Head	Stem	Weight (g)	Kcal/h	Kw	Kj/h	Working Pressure bar	Max Consumption Kg/h
50	200/300/400	640/685/725	53550	62,27	224162	2 – 4	4,5
60	200/300/400	745/790/830	64260	74,72	268995	2 – 4	5,4
70	200/300/400	795/840/880	71400	83,02	298883	2 – 4	6,0

ISTRUCTIONS FOR A CORRECT USE

Use exclusively on the outside and in open air

Please make sure that the flexible hose has been correctly connected rigorously in order before to the welding torch and then to gas cylinder.

IGNITION:

- 1-Close both small tap and black knob clockwise
- 2-Open the main tap of the gas cylinder
- 3- Regulate gas pressure through the valve placed on the gas regulator (if provided). **It is recommended not to remove the nut on the throttle in order not to break the membrane with a consequent gas leak.**
- 4- Push button located on security valve (if supplied) until the hose is totally fulfilled with gas
- 5-Slightly open the black torch knob
- 6-Slightly open the small brass tap and provide ignition
- 7-Adjust pilot flame as desired from the same brass little knob
- 8-Pull the lever to get maximum output (the black knob controls lever gas flow).

TURN-OFF:

- 1-Close the main tap on the gas cylinder
- 2-Consume all the residual gas in the rubber hose
- 3-Close the torch taps and knobs.

SAFETY DEVICES:

- 1- An excess flow security valve is placed on the regulator for immediate stop of gas flow in case of rubber hose damage or sudden pressure change due to external causes
- 2- A torch stand is provided in order to lay the torch when in use. This allows the torch to rest in a upright position onto the floor.

b) SAFETY REGULATIONS

- *Always work with a dry powder fire extinguisher at hand
- *Do not ever apply the flame towards flammable material
- * Never lay hot burner head directly on the bituminous mantle
- *Whenever gas cylinder is changed, be sure to also change the gasket in NBR rubber between regulator and gas cylinder itself, where it is necessary.
- *Keep the gas cylinder at the maximum distance possible
- * It is severely forbidden to heat up the gas cylinder with any flame
- *Always check rubber hose is in perfect conditions and strictly avoid to use it as a rope to lift-up other materials
- *Do not ever leave the torch ignited unattended, even for a very short period of time.
- *Do not ever modify any part of the equipment (torch, gas regulator, rubber hose) as it is duty of the manufacturer to test all the material at the end of manufacturing process. In case of assistance, strictly contact authorized personnel only.
- *Wear approved personal protection devices during any long lasting or indoor work (according to each domestic regulations).
- *When checking the equipment for possible leaks, use soapy water
- *Exclusively use gas homologated rubber hoses or in compliance with each domestic rule and specific clamps to tighten torch and regulator connections.



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