

# GAS VAPORIZER



Gas vaporizer TNP (UNP) is used for vaporizing gas from its liquid form to its gas form. It is usually built into facilities with difficult exploitation conditions, like high consumption and low environment temperature.

It is manufactured in several rated capacities which are divided into categories – hot water and dry electric type.

The dry electric type is equipped with electrical and mechanical implements which enable it to work automatically, continuously and unfailingly.

The maximum work pressure allowed is 16.7 bar (B), and the safety valve is set to that limit.

The heating medium is an aluminum alloy heated by an electrical heater, whose work temperature (of 70-90 °C) is automatically regulated by an A2 thermostat.

The work of electric-magnetic valve is run by an A1 thermostat, which ensures that it stays within the limits of its work temperature.

The hot water vaporizer uses a hot water switch immersed into a liquid along with a gas switch at a temperature of 70/90 °C which enables the transition from liquid to a gas phase.

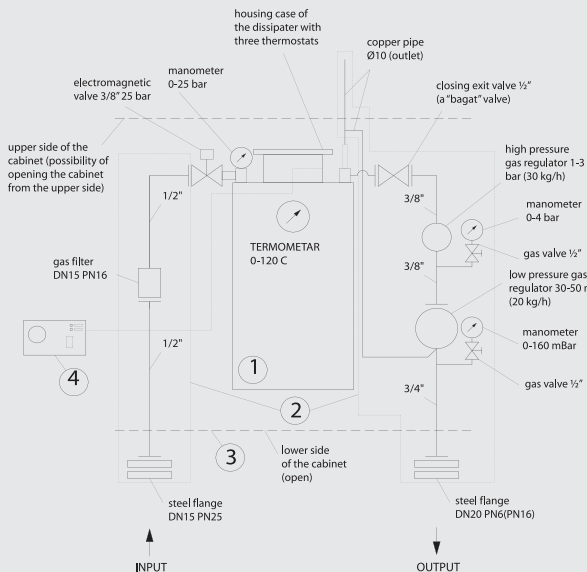
This vaporizer uses an external device for heating the liquid (boiler).

All the in-built parts are anti-corrosive, and the electrical parts are calibrated within standards, and are set in housing units which are tested and marked with “EX-d” in the front of the unit.

# ELECTRICAL GAS VAPORIZER SPI

## Electrical gas vaporizer SPI-24 (12-24 kg/h)

### Single station schematics for model SPI-12 (12-24 kg/h)



#### LEGEND:

- ① Electrical dry gas vaporizer SPI-12 (12-24 kg/h)
- ② Gauge/regulation assembly of the vaporizer station SPI-12 (12-24 kg/h)
- ③ A tin cabinet housing the complete gas vaporizer station SPI 12 (12-24 kg/h) (Dx5xV-850x800X 400MM (Vnogica=400MM))
- ④ Command cabinet IG-UI for SPI-12 (12-24 KG/H)



### TECHNICAL DATA

ELECTRICAL GAS VAPORIZER	
Product type	<b>SPI - 24</b>
Power	to 24 kg/h (200kW installed consumers)
Electric heater	2 x 2 kW
Electrical connection	220 - 250 V 50 Hz
Operating temperature	40 - 80 °C
Ambient temperature	-20 - +40 °C
	Certificate No. ZRN-1 1642
	Certificate No. BB 4 21853
	Certificate No. CA 4 41722
II 2G Ex de IIA T3 Gb	
	<b>2465</b>
Dimensions	700 mm x 1325 mm
Weight	42 kg
Serial number	SPI - 24 -
Number of certificate Ex-Agency	
Number of type certificate	EXA 13 ATEX 0011
Year of production	
Warning	Use screws min. quality 8.8
Manufacturer	Plinotehnika Ltd. Zagrebačka 55, Čakovec Croatia

## QUALITY CONTROL

Plinotehnika has a quality control system for each of its products as well as certificates that insure functionality and reliability. Each product has an internal control identification number. Additionally, each product is sent out to specialized certification firms for analysis. Each product delivery includes certificates, attests and one year guarantee. The certificate ISO 9001:2000 insures that our system of quality managing is in conformance with all the norms and regulations and has been issued by the renowned TUV SUD Company (Germany).



Certificate

**Plinotehnika**  
ČAKOVEC

Čakovec • Zagrebačka 55 • Tel. 040 384 277 • Fax. 040 384 561  
e-mail: plinotehnika@plinotehnika.com • www.plinotehnika.com



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