

# WORCESTER GAS & SPORT

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**05/11/2025**

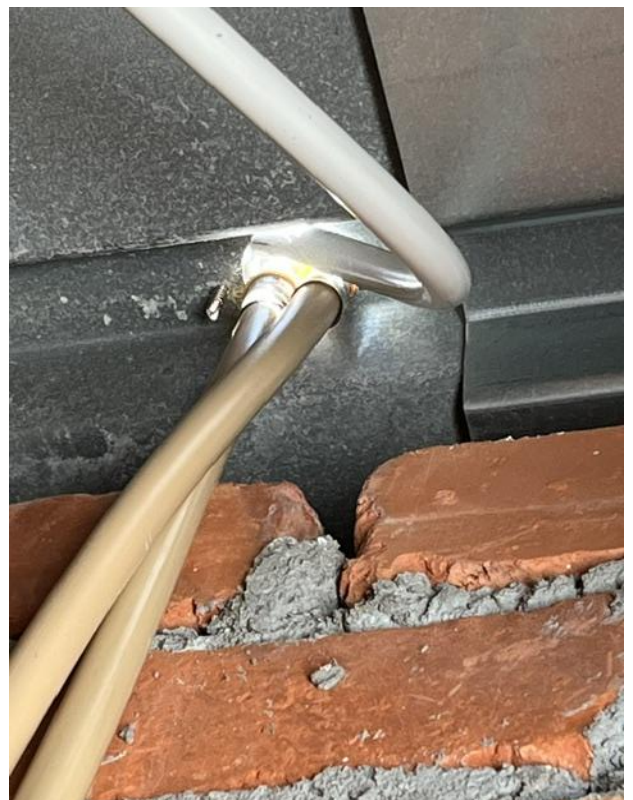
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## TO WHOM IT MAY CONCERN

Gas inspection as 11 Van Goen street , van Riebeeck Park ,Worcester , 6850

There is a problem with the geysers. The geysers that are installed at that premises are as follow : *2 x 20lt Typhoon Fan Forced and 1 x 12lt Totai Battery Operated geyser.*

**1 x Typhoon 20lt Fan Forced** runs three showers and six hand basins. The pipe size to this geyser is 16mm pex pipe that runs 14meters from the cylinders through a hole( pipe not covered in sleeve going through the roof) in the roof over the roof down to the geyser. The regulator is an Astro 704-28 (4kg) inline regulator that was used. Parts of the gas line are not covered in sleeves. The brackets used are not saddles and the gas line can be easily pulled from the wall. The biggest issue on the line is the regulator size. This regulator is too small for the appliance let alone for the distance it has to push the gas to the geyser. The storage room where the bottles are stored is in a small 1meter x 1meter area with a wooden door with no ventilation ( Vents where given to client to install herself but client is not equipped to do so) . (Please see photo below)





Technical Data	
Manufacturer's name	TROJAN TRADING PTY LTD
Model name	TET-25-LPG
Gas type	TYPHOON
Rated pressure	20
Water Load	LPG
Water Pressure	2800pa
Power consumption	40KW
Supply	0.1-1.0MPa
Water Jet	2.55kg/h
Flow rate ( $\Delta t=25k$ )	230Va.c.50Hz
Water Type	$\varnothing 1.1$
	20litres/min
	Outdoor use
	Type D outdoor

INSTALLATION IS INTENDED TO BE PERMANENTLY  
INSTALLATION MUST BE CARRIED OUT BY  
A QUALIFIED INSTALLER AND SUCH AN INSTALLATION  
MUST COMPLY WITH THE SANS 10087-1 OR SANS 827 AS



**The 12 Totai Battery Operated geyser** runs one shower and two basins. The pipe size to the is geyser is 16mm pex pipe that runs 16.5meters from the cylinders through a hole( pipe not covered in sleeve going through the roof) in the roof over the roof down to the geyser. The regulator is an Astro 704-28 (4kg) inline regulator that was used. The brackets used are not saddles and the gas line can be easily pulled from the wall. The biggest issue on the line is the regulator size. This regulator is too small for the appliance let alone for the distance it has to push the gas to the geyser. The storage room where the bottles are stored is in a small 1meter x 1meter area with a wooden door with no ventilation (Vents where given to client to install herself but client is not equipped to do so). The geyser is not in a geyser weather box and is open to the outside. It only has a flue on top. There are also no shut of sign at the shut off valve next to the geyser. See photos below.



**The other 20 Typhoon Fan Forced Geyser** runs three shower and 5 basins. The pipe size to the is geyser is 16mm Pex pipe that runs 5 meters. The regulator is an Astro 704-28 (4kg) changeover regulator that was used. The brackets used are not saddles and the gas line can be easily pulled from the wall. The problem here is the regulator as well. The gas consumption on this geyser is 2.55kg/hr on its highest temperature. The regulator must be 50% more than your gas consumption. So even if this is not set on its highest temperature the regulator is still less than that 50% it must be. (See photos below)





The gas lines itself is done very sloppy and not neat at all.( See photos)

The solution to this is to correct the gas line and then it will most likely solve the problem that the client has with her geysers. I spoke to someone at Trojan that supplies the Typhoon geysers about this and they agreed with me that the problems with the geyser are most likely because of the wrong pipe sizing and the incorrect regulator size.

***Kind Regards***

***René Koen***

***Worcester Gas & Sport***

**Registered Domestic gas installer**

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