

NG/LPG/Gasoline tri-fuel Generator Operation Manual

Table of contents

1	Foreword	1
2	Technical description	2
3	Operation instructions of the gas system	2
4	General Terms	3

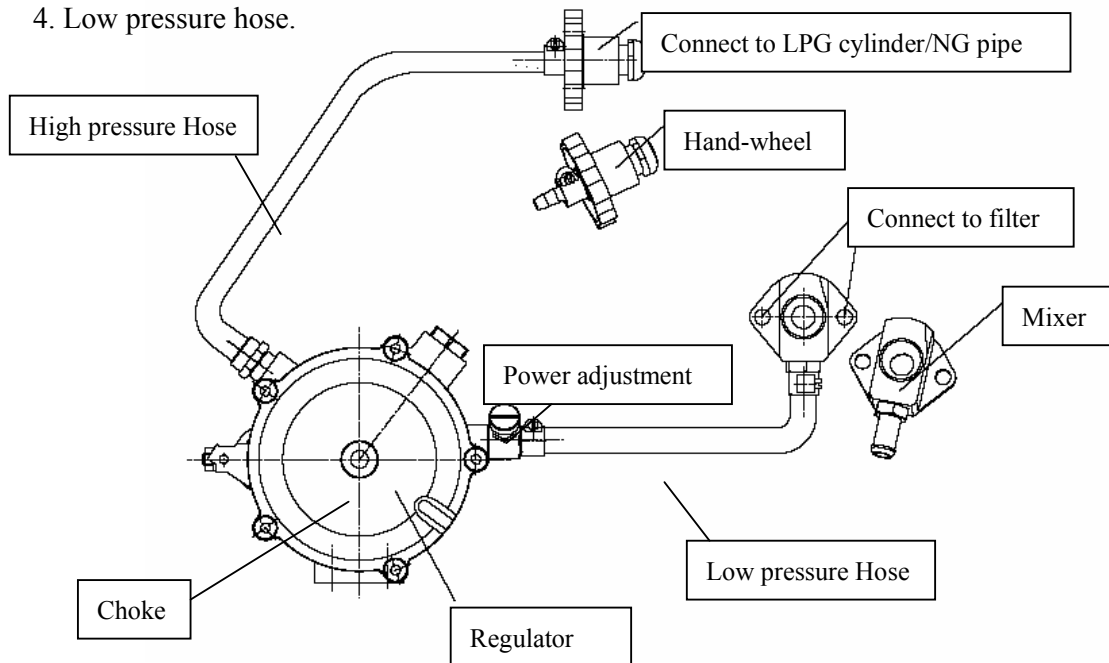
ATTENTION

Only the persons who read completely and understood this technical information are authorized to install and to use the generator

1. Foreword

This generator (only 4-stroke) runs on both LPG/NG and gasoline. The gas generator choke system includes:

1. Regulator and power adjustment;
2. Mixer; choke
3. High pressure hose and hand-wheel;
4. Low pressure hose.



2. Technical Description

Working temperature	-10°C – 60°C
Working pressure	0.5bar – 25bar
Application	Butane, propane or mixture of both (LPG)
Inlet connection	M 22 x 1.5 left (other connections available on request)

3. Operation instructions of the gas system

The regulator is assembled to a steel plate (10cm×5cm) which is fixed to the generator support frame. The regulator is connected to the LPG cylinder or the NG pipe by the High pressure Hose with a hand-wheel.

3.1 Usage

Turn off the gasoline switch, exhaust the remaining gasoline in the carburetor (P1). Manually press the Choke two or three seconds before usage (P2). Start and use the generator manually in the same way than a standard generator (P3). If the engine fails to start, please repeat the operation above.



P1



P2



P3

Attention :

- 1) The generator should be operated in the following Temperature range: -5□ to 45□ if using LPG., while for the NG using, the temperature can be within-30 □ to 40□
- 2) The HP hose should not be exposed to temperatures exceeding: -40□ to 80□.
- 3) The LP hose should not be exposed to temperatures exceeding: -40□ to 80□.
- 4) For 4KW generators, we recommend that the end user connects 2 LPG cylinders in parallel (inner diameter≤30cm)in order to guaranty a sufficient LP-gas supply.
- 5) Start the generator using single fuel (LPG or Gasoline or NG). Do not switch the LPG/Gasoline/NG fuel supply while the generator is working.
- 6) Users can remove the mixer when using gasoline as a sole fuel in order to maximize the power output.
- 7) Compare to gasoline, LPG can reach 90% power efficiency, while NG can reach 95%.
- 8) In winter, users should use the choke for several seconds in order to facilitate startup.

4. General Terms

4.1 For the sake of continuous product improvement. The manufacturer has the right to change the design, material, specification and products information without prior

notice.

4.2 The manufacturer has the sole intellectual property right of the technology and design as well as information given to the customers from this product. Nobody has the permission to alter or use parts or the complete latter document without prior written authorization of the manufacturer.

4.3 Intermediates should forward the essential content of these instructions to his customer.

ATTENTION!

- 1) The manufacturer declines all responsibility for accidents and injuries occurred if not operated strictly according to the instructions above.
- 2) Users or operators have the responsibility for maintenance the generator and gas supply system.
- 3) According to the safety maintenance terms, only skilled workers who have received specific professional technical training should maintain and repair the generator and gas supply system.
- 4) If any malfunction of the gas system is detected, users should return the deficient product to the vendor or manufacturer.
- 5) For safety reasons nobody has the permission to change the product or parts of the product without prior written authorization of the manufacturer.