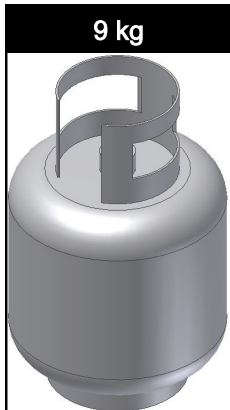


Gas Bottle Consumption Calculation

LPG Gas Bottle Energy Calculation



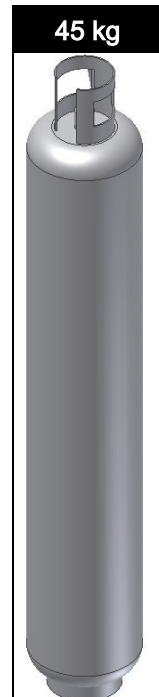
- 1 kg of LPG gas contains 419.16 MJ of energy

This means that a 45kg LPG Gas Bottle has:

- 45 kg x 49.16 MJ/kg = 2212 MJ

This works for the different bottle sizes

- 9 kg Gas Bottle = 442 MJ
- 45 kg Gas Bottle = 2212 MJ
- 2 x 45 kg Gas Bottles (Twin Pack) = 4424 MJ



How to calculate how long your LPG bottle will last:

To work out how many hours burn in a LPG gas bottle, divide the energy (MJ) by the total MJ input of your appliance (MJ /h) - see below for examples. Please note that this is an estimate only and the real gas consumption will vary depending on different external factors like LPG mixture, weather condition, other gas appliance consumption, regulators, plumbing and more.

Warmington Gas Fires (on high flame setting):

SG/EG 700 = 29 MJ/h

for a 9 kg bottle = $\frac{442MJ}{29MJ/h} = 15h$

for a 45 kg bottle = $\frac{2212MJ}{29MJ/h} = 76h$

SG/EG 780 = 38 MJ/h

for a 9 kg bottle = $\frac{442MJ}{38MJ/h} = 11h$

for a 45 kg bottle = $\frac{2212MJ}{38MJ/h} = 58h$

SG/EG 900 = 42 MJ/h

for a 9 kg bottle = $\frac{442MJ}{42MJ/h} = 10h$

for a 45 kg bottle = $\frac{2212MJ}{42MJ/h} = 52h$

SG/EG 1100 = 50 MJ/h

for a 9 kg bottle = $\frac{442MJ}{50MJ/h} = 8h$

for a 45 kg bottle = $\frac{2212MJ}{50MJ/h} = 44h$

SG/EG 1250 = 60 MJ/h

for a 9 kg bottle = $\frac{442MJ}{60MJ/h} = 7h$

for a 45 kg bottle = $\frac{2212MJ}{60MJ/h} = 36h$

SG/EG 1500 = 70 MJ/h

for a 9 kg bottle = $\frac{442MJ}{70MJ/h} = 6h$

for a 45 kg bottle = $\frac{2212MJ}{70MJ/h} = 31h$

SG/EG 780 Twin = 59 MJ/h

for a 9 kg bottle = $\frac{442MJ}{59MJ/h} = 7h$

for a 45 kg bottle = $\frac{2212MJ}{59MJ/h} = 37h$

SG/EG 900 Twin = 72 MJ/h

for a 9 kg bottle = $\frac{442MJ}{72MJ/h} = 6h$

for a 45 kg bottle = $\frac{2212MJ}{72MJ/h} = 30h$

SG/EG 1100 Twin = 76 MJ/h

for a 9 kg bottle = $\frac{442MJ}{76MJ/h} = 5h$

for a 45 kg bottle = $\frac{2212MJ}{76MJ/h} = 29h$