

Air Compressor Kit



Features

- High performance, top of the line 12V air compressor
- 2 liter or 3 liter accumulator (bottle)
- Pressure switch (8.5 bar ON, 9.5 bar OFF)
- Low pressure warning switch
- Overload safety valve (pressure relief)
- Pressure regulator (2 - 8 bar)
- Integrated relay with fuse

MME
MOTORSPORT
Gearbox Shifting Technology

Technical specifications

	Air bottle 2L	Air bottle 3L
Dimensions L x W x H	145 x 130 x 270 mm	145 x 130 x 360 mm
Weight	2060g	2300g
Voltage	12V	12V
Operating temperature	-20 ... 80°C	-20 ... 80°C
Max pressure	14 bar	14 bar

	Compressor
Dimensions L x W x H	210 x 100 x 180 mm
Weight	3900g
Voltage	12V
Operating temperature	-20 ... 80°C
Duty cycle	100% @ 7bar
Max Pressure	14 bar
Max Amp Draw	23 amp (@ 13.8 volts)

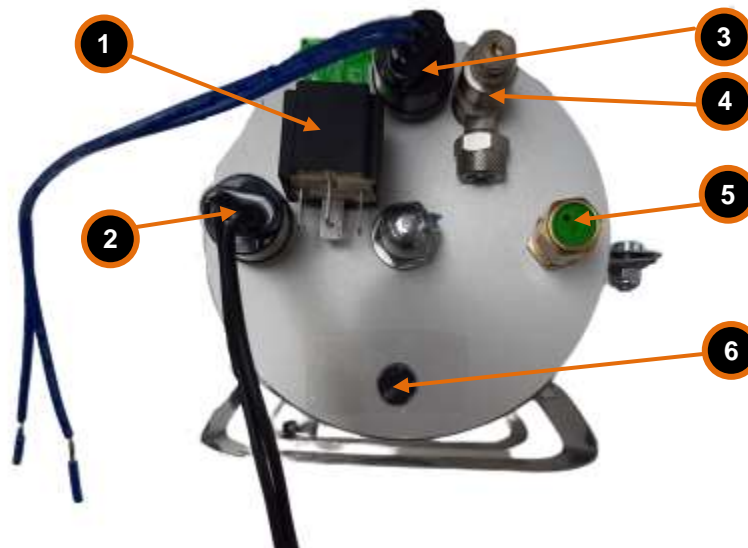
Pressure (bar)	Fill Liter / Minute	Amps
0	44.7	12
1	38.1	13
2	33.3	15
3	30.6	16
4	29.1	17
5	27.1	18
6	25.3	19
7	24.0	20
8	22.4	21
9	21.0	23
10	19.5	21
11	18.2	20
12	16.7	19
13	15.2	19
14	13.5	18

Safety rules

- Before assembling please read general rules. You received air bottle and compressor which must be assembled and connected together. All parts shall not be exposed to heat and water.
- Never allow children to operate this compressor kit. Close supervision is necessary when this compressor is being used near children.
- This compressor will become very HOT during and immediately after use. Do not touch any part of this compressor with bare hands, during and immediately after use.
- Do not use this product near flames or explosive materials or where aerosol products are being used. - -
- Do not pump anything other than atmospheric air.
- Never use this product while sleepy or drowsy.
- Do not use any tools or attachments without first determining maximum air pressure for that tool or attachment.
- Never point any air nozzle or air sprayer toward another person or any part of the body.
- This air compressor is equipped with an Automatic Reset Thermal Protector, and can automatically restart after the thermal protector resets. Always cut off power source when thermal protector becomes activated.
- Wear safety glasses or goggles when operating this product.
- Use only in well ventilated areas.

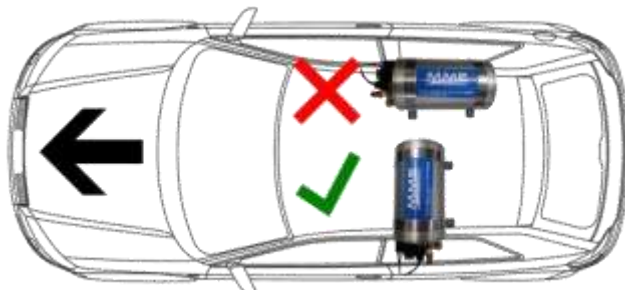
Air bottle content

- ① Relay with fuse (30A)
- ② High pressure switch (8.5 bar ON, 9.5 bar OFF)
- ③ Low pressure switch (6 bar)
- ④ Output pressure with regulator
- ⑤ Overload safety valve
- ⑥ Pressure input (from compressor)



Assembling

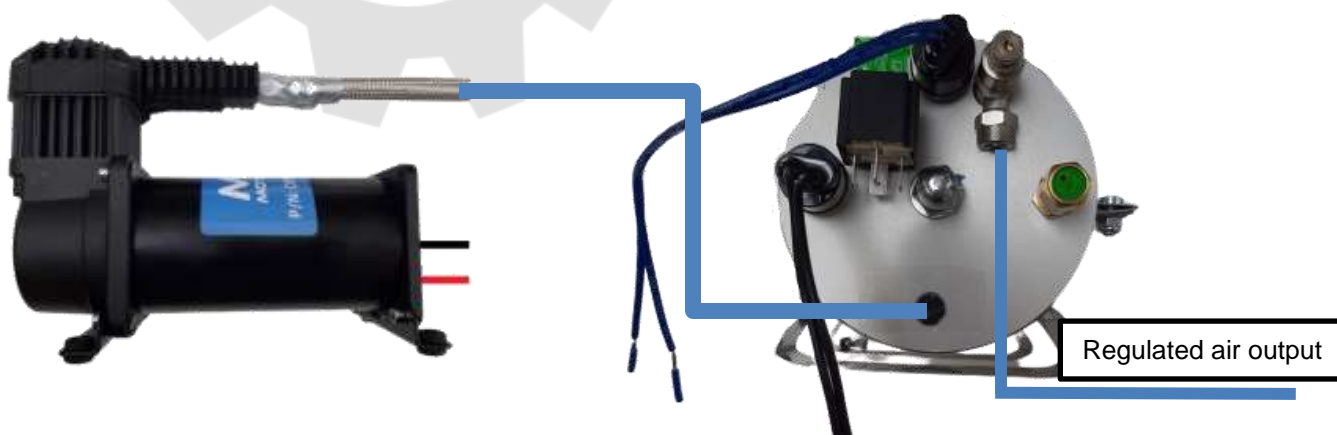
The installation of air bottle in the car must be cross direction of driving. In case of accident we prevent air bottle from slipping from mounting clamps.



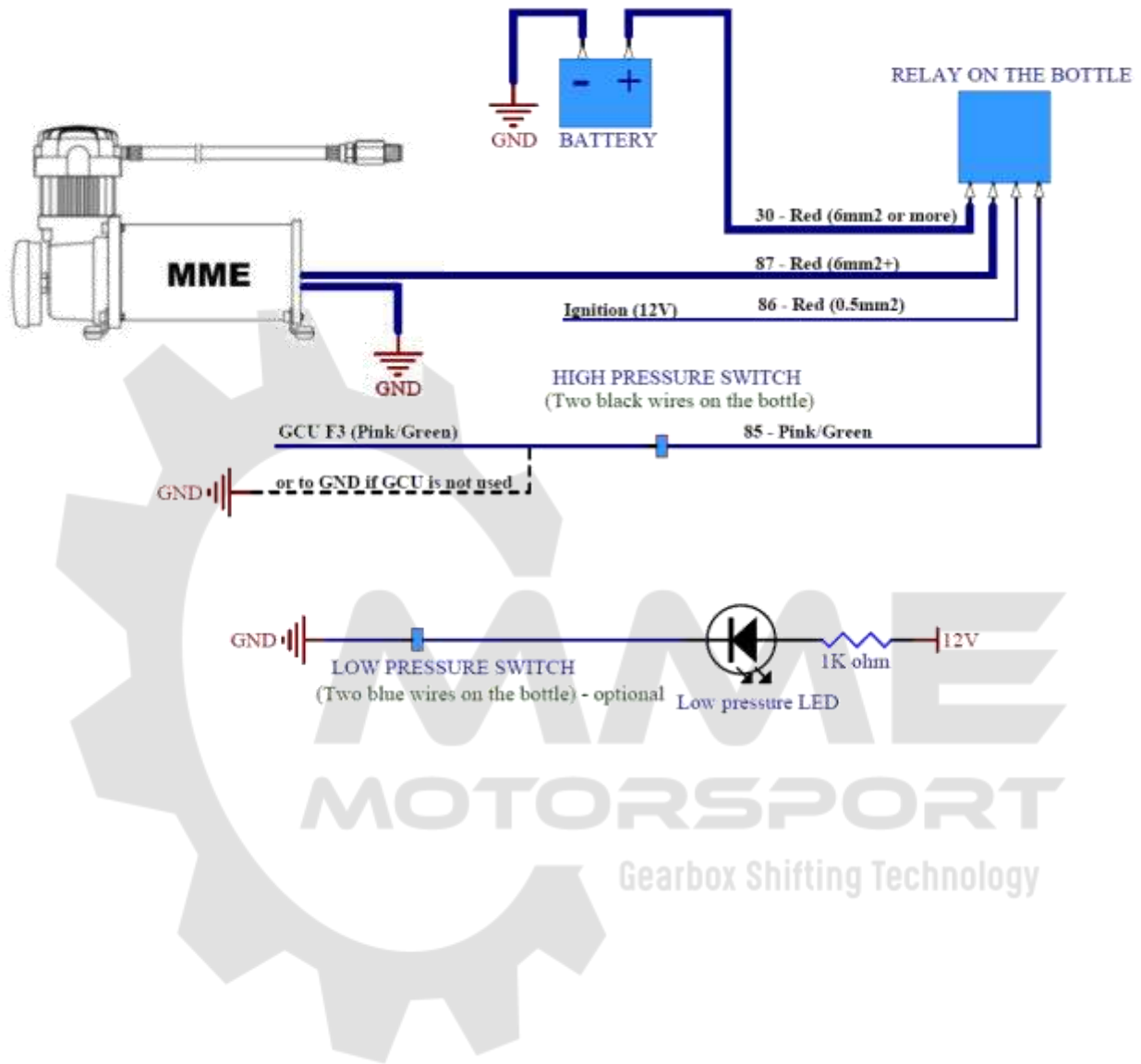
To compressor we attach air filter which can be mounted directly or away from compressor. Air filter should be in dry area away from heat the elements.



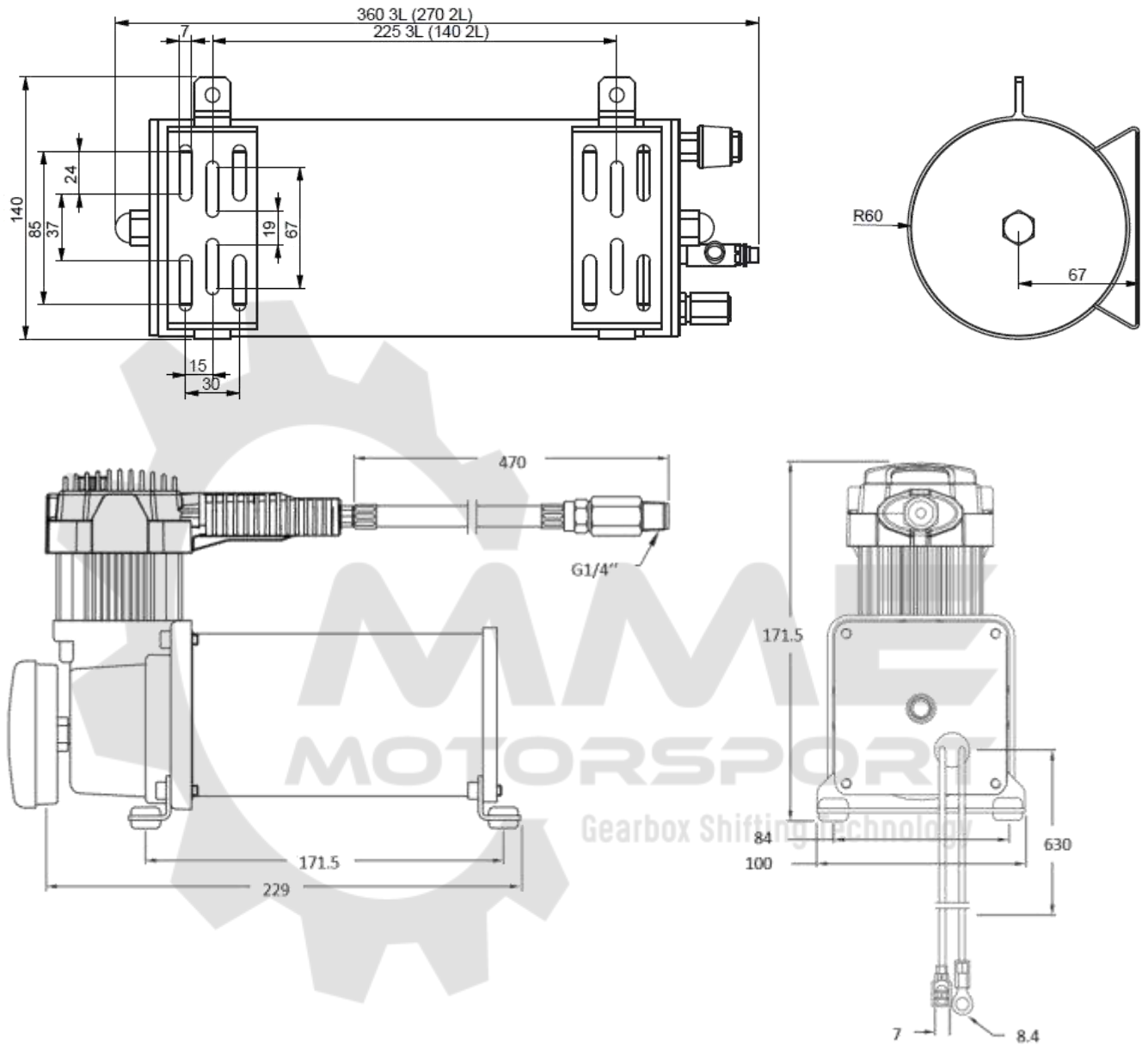
Compressor and air bottle we connect with pneumatic pipe which is mounted on compressor. Output pneumatic tube is Ø8 mm.



Wiring diagram



Technical drawing



Servicing

1. Periodically check all electrical, fittings connections. Clean and tighten as needed.
2. Periodically check all mounting screws. Tighten as needed.
3. Replace Air Filter Element periodically. Replacement frequency depends on operating frequency and operating environment. For frequent use in dusty environment, we recommend that you replace air filter element at least once a month.
4. Regularly clean dust and dirt from compressor cooling fins and motor housing.
5. Your air compressor is equipped with a permanently lubricated, maintenance-free motor. Never try to lubricate the compressor.
6. All repairs should be performed by Manufacturer.
7. Once per year air bottle should be opened and drained of excess water.

Ordering

Compressor: **COMP-01-12V-14BAR**

Air Bottle 2L: **ARBT-01-2L-KIT-8MM**

Air Bottle 3L: **ARBT-01-3L-KIT-8MM**

