

Balloon Gas

Helium is a non-flammable, non-toxic gas, which is lighter than air and therefore an ideal gas for filling balloons.

Balloon gas is an asphyxiant, it should not be inhaled.

The range

BOC offers a range of balloon gas cylinders to suit customers' needs. There are 3 standard sizes small, medium and large, known 'V', 'T', and 'L' cylinders.

All of our high-pressure cylinders should be offered with a standard filling kit to ensure the customer can regulate the gas flow to a usable level.

The chart below details the specification of each cylinder size, and the number of balloons that can be filled from them (the number of balloons will vary according to degree of fill, manufacturer and shape).

Due to a new European standard (EN 1089-3), cylinder shoulder colours are changing. Balloon gas cylinders will gradually change from having cream shoulders, to brown shoulders. Whilst this change is happening it is likely that both cylinder types will be in circulation.



Cylinder Size Selection Table

Balloon Size	L	T	V
9"	1250	500	250
10"	1000	400	200
11"	790	315	160
12"	625	250	125
18" foil	620	250	125

Cylinder Specification Table

	L	T	V
Volume m ³	9.00	3.6	1.81
Weight kg	76.5	29.5	16.0
Height mm	1510	910	970
Diameter mm	230	203	140
Pressure bar	200	200	200

Filling kits

A filling kit must be attached to a cylinder for balloon inflation. A customer can either rent a basic filling kit or purchase any kit outright on their account. The prices for either option are shown on the balloon gas price list.

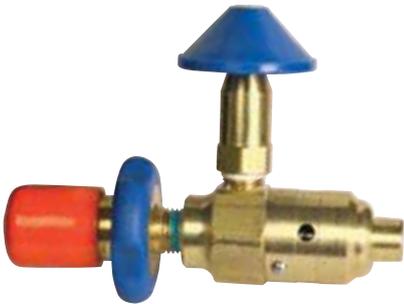
It is recommended that the filling kit is replaced within 5 years of the date of manufacture. Because of this you should check the manufacture date on filling kits before handing them to the customer. Replacement kits can be ordered through Agent Support.



Foil filling kit with gauge



Automatic filling kit with gauge



Foil filling kit



Latex filling kit

BOC Agent Inspection Procedure for BOC Balloon Gas Filling Kits

It is common for customers renting balloon gas cylinders to also rent a balloon gas filling kit. To ensure customer safety it is essential that these filling kits are in good condition and within their serviceable life when rented. To ensure this is the case the attached inspection procedure must be completed by all agents before renting a balloon gas filling kit.

It is advisable that current stock of rental balloon gas filling kits is checked immediately to ensure compliance with the attached guidelines, any equipment failing should be scrapped and replacements ordered from agent support.

If you have any concerns or questions on this issue please call agent support.

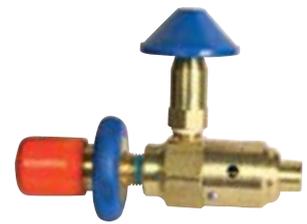
Balloon Gas Filling Kit inspection procedure for BOC Agents renting kits to customers

BOC are obliged to check that rental balloon gas filling kits are safe for customers to use. Because the equipment is usually rented on a short-term basis, significant levels of wear and tear can occur. Therefore, it is vital to ensure inspections are completed to confirm that equipment is safe for reuse and, when necessary, is replaced at the end of its serviceable life.

Only the following types of balloon gas filling kit are approved for issue to customers for rental. These are available from agent support:



Latex Filling Kit 520 LA



Foil Filling Kit 520 FO/ Icarus Filling Kit 520 IC

Step	Action
1	Check the manufacturing date code (MMYY), stamped on the inflator body, which must not exceed 5 years of age
2	On the fitting that screws into the cylinder valve, visually check the condition of the: <ul style="list-style-type: none"> • O-ring to ensure there are no faults, such as cuts or gouges which could cause leakage • Thread to ensure it is free from deformation or cracks
3	Visually check the general condition of the equipment for obvious faults. Pay particular attention to the: <ul style="list-style-type: none"> • Hand nut which must be easy to rotate • Balloon connection which must be secure (push valve or tilt nozzle) • Body components which must not be damaged
4	Carefully attach the inflator to a balloon gas cylinder and slowly open the cylinder valve. Check that the: <ul style="list-style-type: none"> • Thread engages well into the cylinder valve • Inflator provides gas when required and there are no leaks
5	For foil filling kits, check that the correct screw in nozzle attachment is in place 520-FO requires a foil attachment, part number 3628 520-IC requires an Icarus attachment, part number 3647 These nozzles are available from agent support

Any equipment failing to meet any of these checks must be scrapped and a replacement ordered from agent support.

For further information contact Agent Support.