

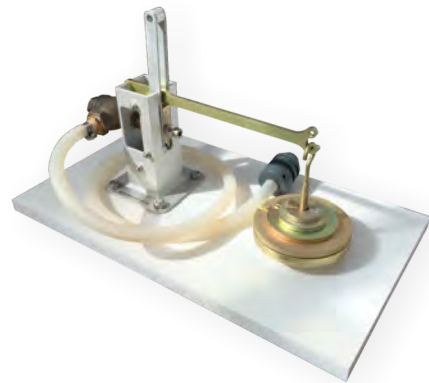


# Automatic Inflation Kit

## For Meteorological Balloons

### Operating Principle

The automatic inflation kit is connected to the gas supply and allows the meteorological balloon to be automatically inflated to the correct buoyancy by shutting off the gas flow when the balloon is able to lift the counter balance weight. The buoyancy of the balloon can be adjusted according to the payload and ascent rate requirements by adding or removing counterweights from the lift arm.



### System Overview

Operating principle	Automatic regulator valve
Capacity	100 - 1000 g balloons
Nozzle size	44 to 70 mm
Compatibility	Helium, non-flammable
Operators required	1 person
Useful life	10 years

### Dimensions

Dimensions	47 x 36 x 19 cm
Total weight	5 kg
Counter weights	50, 100, 200, 400 (2), 600 gram

### Key Features

- For meteorological balloons
- Suitable for all balloon sizes up to 1000g
- Rugged construction
- Portable
- Easy to use

*This automatic inflation kit enables accurate, automatic filling of meteorological balloons with gas to the correct buoyancy. This ensures the correct ascent rates during soundings and helps in achieving consistent burst altitudes.*

Specifications subject to change without notice



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