

CLAIMS

1. A cartridge for storing and releasing compressed gas which comprises a regulator valve between a high pressure gas storage chamber and a gas discharge chamber, the regulator valve being arranged to permit the flow of gas from the storage chamber into the discharge chamber but being operable in response to the resulting increase in gas pressure in the discharge chamber to shut off such flow when the pressure in the discharge chamber reaches a predetermined value, whereby the gas discharged from the cartridge in successive discharges is maintained at a substantially constant pressure despite the falling pressure in the storage chamber as the cartridge empties.
2. A cartridge as claimed in Claim 1 wherein the regulator valve is provided with means for adjusting operation of the valve to vary the pressure in the discharge chamber at which the valve shuts off the flow of gas from the storage chamber into the discharge chamber.
3. A cartridge as claimed in Claim 1 or 2 wherein the regulator valve comprises a piston slidable in a bore in a body of the cartridge and provided with a hollow stem which together with a hole in the piston forms a passageway through which gas can flow from the storage chamber into the discharge chamber, the stem being movable in one direction under the pressure of gas in the discharge chamber into contact with a seal which closes the passageway and thereby shuts off the flow of gas into the storage