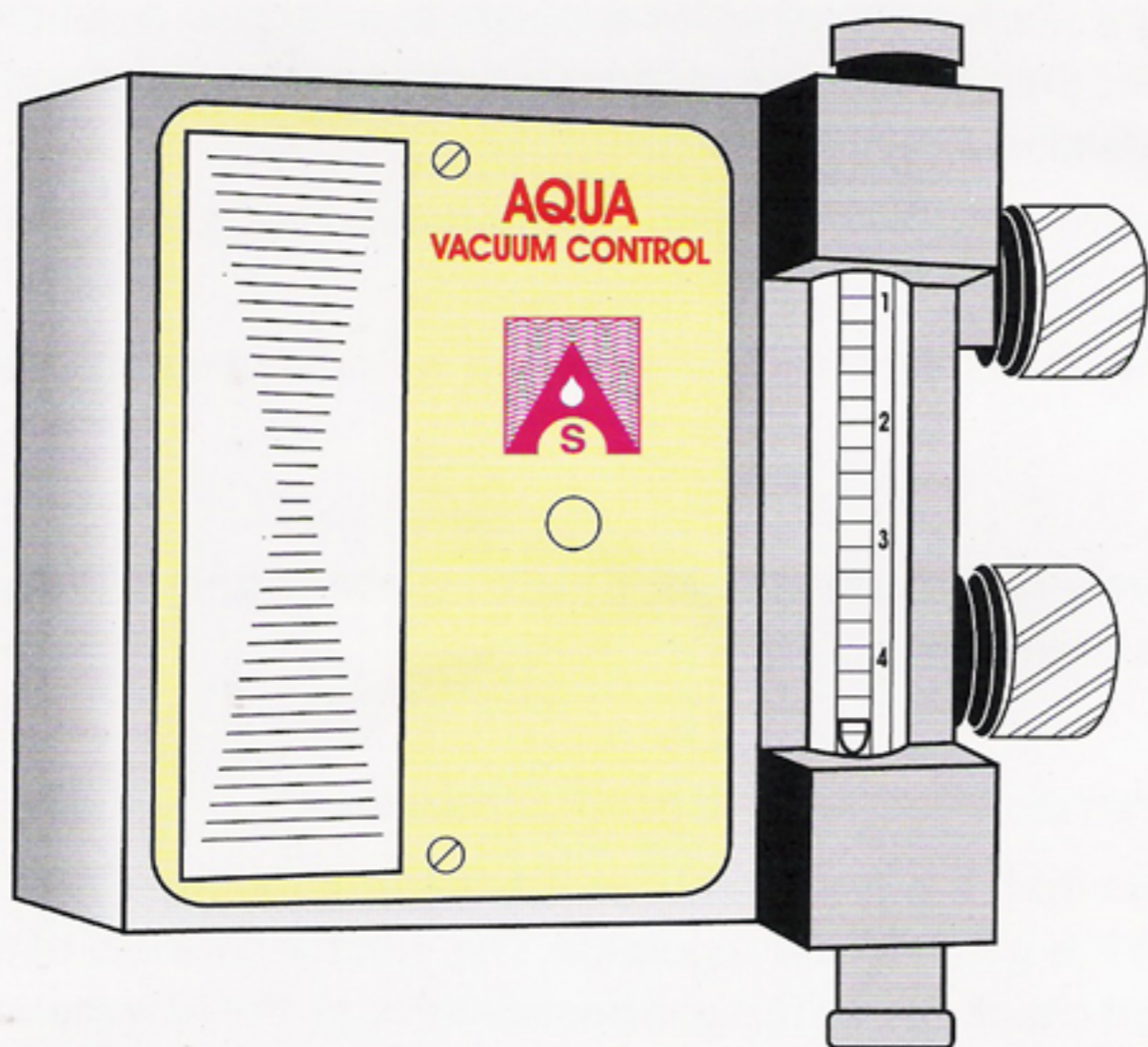


# AQUA II

## VACUUM CONTROL

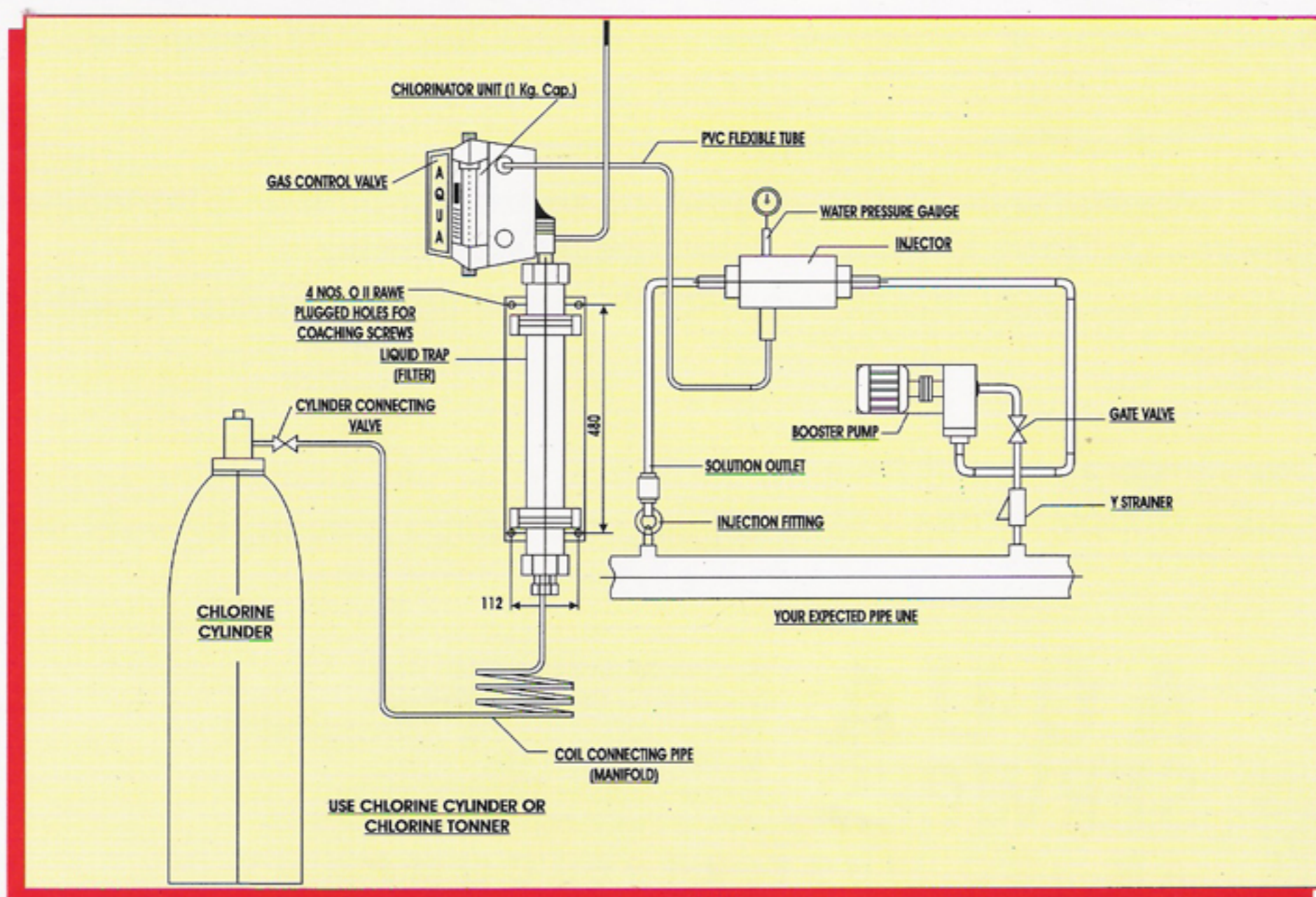
Direct Cylinder Mounted Gas Chlorinator



**Safe, Clean, Disinfected  
Water for Community Health**

For :

- ▶ Water & Waste Treatment
- ▶ Industrial Wastes
- ▶ Food Processing
- ▶ Swimming Pools
- ▶ Water Conditioning
- ▶ Recirculating Water System
- ▶ Control of Algae, Odor & Slime



# AQUA-II VACUUM TYPE GAS CHLORINATOR

The use of chlorine for strilising water is widely practised throughout the world. Chlorination is generally accepted as a very efficient and economical means of rendering water supplies safe to drink and giving protection against water - borne diseases.

The technique involves mixing chlorine gas and water to form hypochlorous acid. This kills the harmful bacteria and viruses.

## GENERAL SPECIFICATION :

AQUA-II instrument represents the latest advance in the design of solution (Vacuum) feed gas chlorination.

## VACCUM CHLORINATORS :

For safety reasons the system widely in use today for the purification of water supplies in a vaccum solution feed gas chlorinator. A vacuum chlorinator is much safer than a pressure chlorinator as any loss of vacuum causes the gas supply to be shut off instantly and automatically.

The principle involves mixing an auxiliary supply of water with chlorine gas. The concentrated solution of chlorine is then ijected into the water.

Operation in this way, with the AQUA-II, provides a very economic means of purifying water suppliers while maintaining a very high degree of safety and reliability.

## FEATURES :

AQUA-II incoporates many technological advanced designed to enhance long term reliability and achieve optimum performance with minimum supervision and maintenance.

## METHOD OF OPERATION :

The chlorine regulator can be mounted either on a wall or on top of the gas cylinder or container.

Correct operation depends on obtaining healthy vaccum from the ejector. Water flowing through the ejector creates a vaccum which opens the inlet valve to admit the gas into the regulator. The ejector consists of a vacuum producing venturi and a spring loaded diaphragm check valve. The gas passes through the flow meter and the rate control valve and then to ejector where it is throughly mixed and dissolved in the water and carried to the application point as a solution.

Any vacuum failure automatically shuts off the chlorine gas and ensures that no gas escapes into the atmosphere.

There is an automatic vent to atmosphere if pressure build up in the regulator.

If the source of chlorine gas is exhausted or the gas line plugged and excess vacuum valve in the regulator closes to prevent any moisture being pulled back into the regulator or the gas supply lines.

AQUA-II gas chlorinator and ejector are constructed fro PVC, VICTOM, Monel, Teflon, Extra duty Borosilicate Glass, Silver and Copper materials.

## GUARANTEE :

For correct performance of our parts for a period of 12 months.

We also supply Chlorine Cylinder 50 & 100 Kg. Cap., Chloroscope to detect chlorine percentage in water, safty



**AQUA  
SERVICES**

**AN ISO 9001:2000 COMPANY**

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