

Gas Chlorinator **Series VR7100C**



- Direct cylinder valve mounted type
- Safe and reliable all-vacuum operation
- Superior materials of construction
- Accurate gas metering by integral gas flowmeter
- Automatic changeover capability for uninterrupted gas feeding

The Series **VR7100C** Chlorinators are versatile, high quality, low cost, solution feed units which are vacuum operated at sonic conditions. Proven design, rugged construction and use of the best available materials assure precise gas feeding, low maintenance, dependable operation and long life. The chlorinator connects directly on the cylinder valve by means of a yoke clamp connection. A chlorine gas flowmeter indicates the amount of chlorine being fed. The Series **VR7100C** Chlorinators have maximum feed rates ranging from 25 g/hr. to 10,000 g/hr.

FEATURES

- Fluoroplastic yoke coating gives unequalled corrosion resistance and chlorine will not diffuse through it to cause coating bubbling and peeling.
- All molded parts are fiber-glass reinforced ABS plastic, designed for strength, warp-resistance, and chlorine resistance.
- The rate valve "Seat" is pure fluoroplastic and will not swell, stick or become brittle with age or exposure to liquid chlorine.
- All external bolts and nuts are titanium for complete corrosion resistance. There are no stainless steel or monel nuts and bolts to corrode and freeze up in the presence of moist chlorine gas.

CAPACITIES

GAS	Capacity (g/hr)	Model No.
Cl ₂	25	VR7101C
	50	VR7102C
	100	VR7103C
	250	VR7104C
	500	VR7105C
	1,000	VR7106C
	2,000	VR7107C
	4,000	VR7108C
	6,000	VR7109C
	8,000	VR7110C
10,000	VR7111C	

OPERATION

The vacuum regulator is securely clamped on the chlorine cylinder valve. The water under pressure flows through the ejector at high velocity which causes a strong vacuum to be created. This opens the check valves in the ejector assembly and transmits a vacuum signal through the meter tube/rate valve panel back to the vacuum regulator. When the vacuum reaches a pre-set level, the diaphragm in the regulator moves to open the chlorine inlet safety valve, permitting gas to flow from the chlorine cylinder. The spring-opposed diaphragm and inlet valve regulate the vacuum at this point. Chlorine gas passes through the flowmeter panel and rate control valve to the ejector. The gas mixes with the ejector water and is discharged through the diffuser into the water being treated.

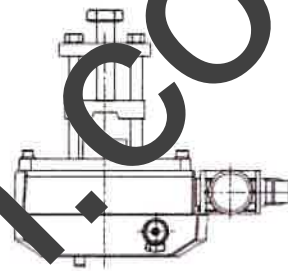
STANDARD ACCESSORIES

- 5m - 3/8" Vacuum tubing
- 10EA - Lead cylinder connection gaskets
- 01EA - Cylinder Wrench

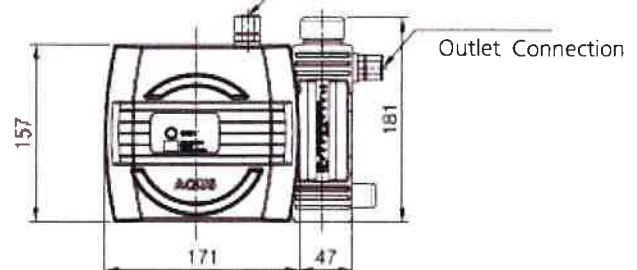
OPTIONAL ACCESSORIES

- Automatic Changeover Module
- Header Valve 3/4"
- Flexible Connector 1.5m
- Manual Ball Valve 3/4" or 1" NPT
- Pressure Gauge
- Ammonia Union

DIMENSIONS



NPT 1/4" Vent Connection
Connections shall be provided for tubing vented gas away from the pressure relief (vent) port of each vacuum regulator to atmosphere outside the building.



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