



# MODEL VR3

**INTEGRAL METER TUBE  
GAS CHLORINATOR**

## **-INNOVATION & QUALITY-**

The Model VR3 Integral Meter Tube Vacuum Regulator is designed for applications ranging from single-cylinder systems to multi-cylinder automatic switchover systems. The design incorporates a built-in meter tube for local feed rate indication.

The VR3 is available for use with Chlorine, Sulfur Dioxide and other gases & for feed capacities up to 500 PPD (10 kg/hr). The VR3 is available for use on upright (150lb) cylinders or on one ton containers. The VR3 incorporates:

- a simple, reliable empty-tank indicator
- built-in relief (vent) valve
- (optional) integral rate valve



Shown above: VR3-25C

### *What sets the VR3 apart?*

- Solid all-machined construction, using only high quality materials:  
Hastelloy-C Inlet Capsule, Silver Inlet Valve, Tantalum Inlet Spring, Tantalum Vent Spring, PVDF Meter Inlet Plug, PVDF Rate Valve Bonnet, PVDF Rate Valve Plug
- Captured rate valve design, providing smooth & precise manual feed rate control.
- Easily removable inlet filter cartridge & porous PTFE (Teflon) filter ( $\leq 100$  PPD)
- 3-year warranty and the most comprehensive list of lifetime-warranty parts:  
front body, back body, inlet capsule, inlet spring, vent spring, inlet plug & diaphragm

<b>Vacuum Tubing (LDPE tubing)</b>			
Model #	Capacity	Vacuum Tubing	Vent Tubing
VR3-10X	100 PPD (2kg/hr)	3/8" OD	3/8" OD
VR3-25X	250 PPD (5kg/hr)	1/2" OD	3/8" OD
VR3-50X	500 PPD (10kg/hr)	5/8" OD	3/8" OD
"X" = <u>C</u> - Chlorine / <u>S</u> - Sulfur Dioxide			



635A Twisted Wrench

### VR3 Materials of Construction

PVC, PVDF (Kynar), PTFE (Teflon), Hastelloy-C276, Monel, Tantalum, Silver, (FKM) Viton, Polyethylene

### Some Examples of Related Products Available From Archer Instruments



MPA-10X Remote Meter Panel



SMA-10X Switchover Module



EOA-10X Ejector



VR3-50C-T Ton Mounted