

JCS Industries Inc.

Innovative Chemical Feed Solutions

ROBO-CONTROL®

OPERATION

The Model RC-TVR is an actuator that REMOTELY CLOSES the valve on compressed gas containers such as chlorine, ammonia and sulfur dioxide. The actuator is battery-operated with an electric motor that rotates the valve stem toward closed position for alignment, tests, and remote operation. The actuator is designed to mount without interfering with cylinder mounted hardware such as chlorinators, regulators etc. No yoke modifications or additional adapters are required. The motor, gears and controls are assembled as one unit.

CAPABILITIES

- Battery operated with automatic charger
- NO heavy or large signal cables
- Remote close by leak detector, panic button or other digital signals such as PLC or computer
- Easily attaches to valve
- Eliminates the need for scrubbers in certain applications per the Uniform Fire Code

FEATURES

The system includes a remote power supply enclosure for trickle charge of the SLA battery. Engaging the actuator is accomplished by tilting the actuator, resting actuator on valve and repositioning to the same plane as the valve stem. Monitor and controls are accomplished with a microprocessor and integral LED lights for CLOSED, ALIGN, OPEN and CLOSE. Setup is accomplished through an integral keypad. Valve position is transmitted to the microprocessor from a direct-coupled potentiometer.

ADDITIONAL INFO

For information on more actuators that open and close ton cylinders, refer to Specification Model 2000C and Model U.

For information on inexpensive leak detectors to interact with the actuators, refer to Specification JCS Model 4500.

MODEL RC-TVR AUTOMATIC CLOSURE TON CONTAINER



DETAILS

Enclosure	NEMA 4X
Battery	12/24-Volt SLA 5AH or 7AH
Charger	120/240 VAC
Indicator	Automatic Four LEDs
Inputs	Close from Remote Contact Close from RCP
Remote	Battery and Charger
Rotation	Programmable up to 360 degrees
Materials	Polycarbonate, stainless steel, steel, brass, RF Nylon
Actuator wt.	6 Pounds
Torque	40 ft/pounds
Compatibility	Chlorine Institute 110 and Conforms to CI Publication

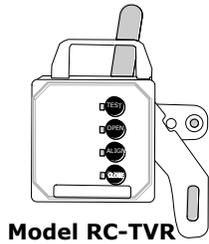
"RECOMMENDATIONS FOR EMERGENCY
CLOSURE DEVICES FOR CONTAINER VALVES"

Technical Specifications for Model RC-TVR Actuator

A LIQUA FLOW PRODUCT

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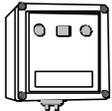
SYSTEM COMPONENTS



Model RC-TVR

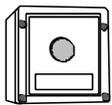
The model **RC-TVR** actuator is packaged as an independent actuator that closes the ton container valve by using an integral membrane keypad. The actuator mounts to the valve independently from any hardware that may be mounted to the valve. The Model RC-TVR is designed to fit the gas valve on a ton container when a vacuum regulator is mounted on the valve. A 30-foot, four wire shielded signal cable is included with a connector that attaches to the actuator. The loose end of the cable is terminated in the control panel for battery power and a close signal that is created by a remote contact from another device, such as a leak detector or panic button.

ACCESSORIES



JCS MODEL 4500

The Model **JCS Model 4500** is a remote leak detector and is powered by a 120/240 source. The leak detector has a contact closure that will close all actuators if the ambient air contains chlorine or sulfur dioxide. Alarm points are adjustable in increments of 1 PPM from 1 to 10 PPM. The enclosure is NEMA 4X and includes a 4-20mA output, a power light, alarm light and acknowledge pushbutton to clear the output contact closure. Mounting holes and cable entries are created by the installer. The Model JCS 4500 weighs 2 pounds. The leak detector and instruction book are included.



MODEL RPB001

The Model **RPB001** is a remote pushbutton that can be used to close all actuators. It has one dry contact that can be connected to the DL terminals of the control panel. Mounting holes and cable entries are created by the installer.



MODEL RCP006RC

The Model **RCP006RCC** is an optional control panel for Model RC actuators. This control panel has a battery for Model RC actuators, charger and terminal for up to 6 actuators. The enclosure includes a power light, input/output isolation relay and a panic button for operator interface.

The Model **RCP012RCC** is an optional control panel for Model RC actuators. This control panel has a battery for Model RC actuators, charger and terminal for up to 12 actuators. The enclosure includes a power light, input/output isolation relay and a panic button for operator interface.

BA012-5 - Spare Battery - 12 Volts 5AH

BA012-7 - Spare Battery - 12 Volts 7AH