

RECOVERY VESSELS

FOR 100-150 lb. CHLORINE/SULFUR DIOXIDE CYLINDERS



The Chlorine Institute Recovery Vessel was developed by The Chlorine Institute to contain leaks that may occur in 100 and 150 lb. chlorine cylinders which conform to specification DOT 3A480. The Recovery Vessel is designed to totally encapsulate a leaking chlorine cylinder by inserting and securing the entire cylinder within the Recovery Vessel itself. This design allows the Recovery Vessel to handle most leaks that may occur including leaks in the cylinder neck and foot-ring areas that the Chlorine Institute Kit "A" is not designed to contain. A D.O.T. exempt certificate will be furnished with each Recovery vessel along with a hand wrench, a valve wrench, and two instruction booklets.

The Chlorine Institute Recovery Vessel has been granted an exemption by the D.O.T. for the transporting of leaking chlorine cylinders to an absorption center (part# CRV) exemption #E-9781. The Sulfur Dioxide Recovery Vessel has been granted an exemption by the D.O.T. for transporting leaking Sulfur Dioxide cylinders (part# SRV) exemption #E-11459. *Note, additional DOT exemptions may exist or be granted for uses other than mentioned above. Please contact the U.S. Department of Transportation for information concerning uses other than the above mentioned exemptions.*

Part# **CRV**: Chlorine Institute Recovery Vessel
Part# **CRVW**: above with wheels*

Part# **SRV**: Sulfur Dioxide Recovery Vessel
Part# **SRVW**: above with wheels*

*Wheels consist of 2pcs fixed and 2pcs swivel (with brakes) 6" x 2" mold-on, rubber wheels.

Design:

Pressure - 250 PSIG
Test Pressure - 375 PSIG
Temperature - 300F to -20F

Vessel is:
Constructed and stamped per latest ASME code
Stress Relieved
100% X-rayed

Approximate Weight

Empty - 325 lbs.
With 150 lb. cylinder - 575 lbs. (approx.)

Material:

Plate - Carbon Steel ASTM A283
Pipe - Carbon Steel ASTM A106
Grade B Seamless
Welding Fittings - Carbon Steel
ASTM A234 WPB.
O-Ring: Viton (#CRV) or EPDM (#SRV)
Hinged Head - Carbon Steel
Hub - ASTM A106 Grade B
Head - ASTM A515 Grade 70
Bolts - ASTM A193 Grade 87
Nuts - ASTM A194 Grade 2H