HYDRAULIC CHLOR-SCALE® 150

For Chlorine, SO2 and Ammonia Cylinders

+ Safely monitor amount used and remaining chemical
+ Prevent under and overfeed conditions
+ Hydraulic — no power required
+ Non-corrosive PVC platform
+ Optional 4-20mA outputs and level alarms

The CHLOR-SCALE 150 is designed to monitor 150 lb. chlorine, sulfur dioxide and ammonia cylinders commonly used at water and wastewater treatment plants, well heads, booster stations and industrial plants. A low overall height of only 1 5/8” allows cylinders to be easily rolled on and off without lifting and a wall mounted chaining bracket provides the safest possible installation by securing the cylinder to the building structure itself.

A large dial indicator with convenient tare adjust knob allows easy operation and provides plant operators with critical information at a glance. Optional remote mounted indicators (up to 25’) provide operators with an added level of convenience and safety by preventing unnecessary entry into the chlorine building.

Because the CHLOR-SCALE 150 has an all PVC platform with corrosion resistant fasteners and fittings, you can forget about corrosion normally associated with chlorine and sweating cylinders. In addition, our incredibly simple “pivoted platform” design has no moving parts. This means that there are no flexures, levers or mechanical links that are susceptible to corrosion, bending or breaking.

A full 5-year warranty backs each and every CHLOR-SCALE 150 including the platform, load cell and dial indicator. Buying a CHLOR-SCALE 150 means buying the best!
**Models and Ordering Information**

Models include platform assembly, load cell with 6 feet of tubing, chaining bracket/tool rack and dial indicator. For tubing lengths over 6 feet, additional chaining brackets, 4-20mA and low-level alarms please consult factory. Metric models are available at no extra charge.

**Chlor-Scale 150 – For 150 lb. Chlorine, SO2 & Ammonia Cylinders**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>4D150-1</td>
<td>4D100K-1</td>
</tr>
<tr>
<td>4D150-2</td>
<td>4D100K-2</td>
</tr>
<tr>
<td>4D400-1AS</td>
<td>4D200K-1AS</td>
</tr>
</tbody>
</table>

**Scale Dimensions**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>4D150-1, -2</td>
<td>13.5</td>
<td>18.625</td>
<td>16.5</td>
<td>1.625</td>
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<tr>
<td>4D100K-1, -2</td>
<td>(345)</td>
<td>(473)</td>
<td>(420)</td>
<td>(42)</td>
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<tr>
<td>4D400-1AS</td>
<td>15.75</td>
<td>21.5</td>
<td>18.75</td>
<td>1.625</td>
</tr>
<tr>
<td>4D200K-1AS</td>
<td>(400)</td>
<td>(546)</td>
<td>(476)</td>
<td>(42)</td>
</tr>
</tbody>
</table>

Chlor-Scale 150 accommodates most international cylinder sizes. Example: 33kg, 68kg, 70kg, 100kg.

**Technical Data**

- **Display**: 4.5" Century Dial
- **Platform**: Solid PVC with Tuf-Coat Finish
- **Input**: Hydraulic Load Cell
- **Tare Adjustment**: Tare Adjust Knob
- **Outputs**: Optional 4-20mA Output, Optional Dry Contact Level Alarm
- **Remote Dial Mounting**: Optional quick connects with additional tubing for routing through conduit or wall

**Options & Accessories**

- **SOLO XT®**
- **SOLO G2®**
- **WIZARD 4000®**

**Specifications**

Cylinder scale shall be of the hydraulic cell type. Scale platform shall be constructed of non-corrosive 1 inch PVC plastic and sized to accept one (1) 150 lb (68kg) cylinder. A total of _____ chlorine/SO2/ammonia cylinders shall be weighed. Platform height shall be no more than 1-5/8" to allow easy loading of cylinder. Platform scale coating system shall be a minimum dry thickness of 80 mils and be resistant to moisture, chemicals, abrasion, impact and UV light.

Load cell shall be of the temperature-stable, rolling diaphragm type. Flexible PVC coated copper tubing shall connect dial to load cell for easy placement of the dial and shall be _______ ft. in length (6 ft standard). Load cell system shall require no electric power and shall be immune to all RFI/EMI, power failures and lightning strikes. Cylinder chaining bracket shall be wall mounted and shall use a double coil chain and a spring loaded snap hook to secure cylinder. Chaining bracket shall have an integral tool rack for storing cylinder change-out tools.

Dial diameter shall be at least 4.5" and read zero to 200 lbs. (100kg) net with provision for tare adjustment. Dial shall be temperature stable with damper installed to prevent shock damage during cylinder loading.

Scale shall carry Full Five (5) Year Factory Warranty. “Limited” Warranties shall be considered unacceptable.

Full scale accuracy shall be better than 1%. Scale shall be CHLOR-SCALE® 150 with TUF-COAT™ coating and CENTURY® dial indicator, Model 4D______AS manufactured by FORCE FLOW, 2430 Stanwell Drive, Concord, CA 94520 USA (www.forceflow.com).

**SAFETY**

- **CHAIN**

**See Bulletin 204**

**www.forceflow.com**