FOR CHEMICAL INVENTORY MANAGEMENT

- Prevents systems from running empty
- Non-intrusive and non-contacting
- Excellent for documenting chemical usage
- Low profile
- Corrosive resistant Epoxy Powder Coating
- Low-level alarms and 4-20mA signals available
- 5-year warranty performance guarantee (no finger pointing, no fine print)

Fluoride
Polymer
Sodium Hypochlorite
Sodium Bisulfite
Potassium Permanganate
Sodium Hydroxide
Caustic
Alum
Etc.

DRUM & CARBOY SCALE
FOR MUNICIPAL & INDUSTRIAL CHEMICAL FEED SYSTEMS

Strict Federal and State reporting requirements have created a need for municipal plant operators to easily and accurately track chemical feed rates and usages in water and wastewater treatment plants. Also, by knowing exactly how much chemical remains, plant operators can be assured that the drum will not run empty during their absence.

Our low profile corrosion resistant platform allows operators to load and unload drum packaged chemicals safely and easily.

Monitors chemical level

Century hydraulic system requires no power, is virtually maintenance free and is immune to power failure, lightning strikes and RFI/EMI.

Using the DRUMM-SCALE for your inventory management results in an inexpensive, non-contacting, highly reliable method of measuring level. Weight (or mass) is an inherently accurate means of measuring vessel contents because it is independent of vessel shape, temperature, corrosive characteristics of the contents. The DRUMM-SCALE is easily installed by regular plant personnel and with our full 5-YEAR warranty, requires virtually no maintenance.

*See also Wizard, Solo and XT Bulletins
## Hydraulic Drum-Scale™

### Models and Ordering Information

Standard models are sized to accept drums or carboys from 18" to 24" in diameter (approximately 30 to 55 gallon drums). Scales come complete with platform, dial stand, load cell with 5 feet of hydraulic tubing and 8-1/2" dial readout. For other dial sizes, capacities and remote dial mounting (up to 50 feet), alarms or transmitters, please call factory. For tanks up to 1,000 gallons, refer to CHEM-Scale brochures.

<table>
<thead>
<tr>
<th>Description</th>
<th>Model Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy Powder Coated:</td>
<td>8D4DS 8D6DS 8D8DS 8D10DS</td>
</tr>
<tr>
<td>316 Stainless Steel:</td>
<td>8D4DSS 8D6DSS 8D8DSS 8D10DSS</td>
</tr>
<tr>
<td>Capacity:</td>
<td>0-400 LBS 0-600 LBS 0-800 LBS 0-1000 LBS</td>
</tr>
<tr>
<td>Drum Size:</td>
<td>18&quot; - 24&quot; 18&quot; - 24&quot; 18&quot; - 24&quot; 18&quot; - 24&quot;</td>
</tr>
<tr>
<td>Platform Size:</td>
<td>27 1/2&quot; x 27 1/2&quot; 27 1/2&quot; x 27 1/2&quot; 27 1/2&quot; x 27 1/2&quot; 27 1/2&quot; x 27 1/2&quot;</td>
</tr>
<tr>
<td>Weight:</td>
<td>103 LBS 103 LBS 103 LBS 103 LBS</td>
</tr>
<tr>
<td>Full Scale Accuracy:</td>
<td>1/2 of 1% 1/2 of 1% 1/2 of 1% 1/2 of 1%</td>
</tr>
<tr>
<td>Minimum Increments:</td>
<td>1 LB 2 LB 2 LB 2 LB</td>
</tr>
</tbody>
</table>

**Specifying Guidelines:**
A) Size scale capacity to match gross weight (chemical & tank tare weight). B) Tank diameter should not exceed 24". C) Supply connections must be flexible & preferably connected at pivot end of platform.

**Metric Models Available**
At no extra charge

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**Dimensions:** Inches (millimeters)

**Typical Specification For Hydraulic Drum Scales**

- Drum Scale shall be of the hydraulic load cell type. Scale shall be sized to accept drums or carboys from 18" to 24" in diameter. Platform height shall be no more than 2" to allow easy loading and unloading of drums. Platform shall be constructed of (epoxy powder coated or 316 stainless steel).
- Load cell shall be of the temperature stable, rolling diaphragm type. A 5" flexible length of PVC coated copper shall lead from the load cell to allow easy installation of the dial on the platform mounted dial stand. Load cell system shall require no electric power and shall be immune to all RFI/EMI, power failures and lightning strikes.
- Dial diameter shall be 8 1/2" and read 0—800 LBS with provision for tare adjustment. Dial shall be temperature stable with damper installed to prevent shock damage. Dial accuracy shall be better than 1/2 of 1% of full scale.
- Scale shall be DRUMM-SCALE model 8D as manufactured by FORCE FLOW EQUIPMENT, 1150-D Burnett Ave., Concord, California 94520 USA.

**Optional Features**

- 4-20mA Transmitter (Model MA-420) - Loop powered 4-20mA transmitter (requires 12-45 volts DC power)
- Level Alarm (Model RS-5) - Adjustable high/low level alarm with 10 amp manual reset relay or (Model PS-10) fixed set point 10 amp pressure switch
- Circular Chart Recorders - Choose 1 or 7 day, electric or wind-up
- Additional hydraulic hose and fittings - Indicators can be remote mounted up to 50' from scale location
- Locking tare adjust knob - Prevents tampering

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1150-D Burnett Ave., Concord, CA 94520 USA, 925.686.6700 Fax 925.686.6713, E-mail: info@forceflow.com

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<table>
<thead>
<tr>
<th>Calibration Grid</th>
<th>DRUM BACKSTOP</th>
</tr>
</thead>
<tbody>
<tr>
<td>27 1/2&quot; (700)</td>
<td>31 1/2&quot; (800)</td>
</tr>
<tr>
<td>(460-610)</td>
<td></td>
</tr>
</tbody>
</table>