**TYPICAL SPECIFICATION**

**SOLO® G2**

**150 LB CYLINDER SCALE**

**SPECIFICATION SECTION 11261 - Chlorination Equipment**

A quantity of \_\_\_\_chlorine/SO2 scales shall be provided and shall be of the digital readout/electronic load cell type. Scale platform shall be constructed of corrosion-proof PVC plastic and sized to accept standard 150 lb type chlorine/SO2 cylinders. Platform height shall be less than 2 inches to allow easy handling and unloading of cylinders. Platform shall be resistant to moisture, chemicals, abrasion, impact and UV light.

Scale shall be of the single load cell design. Weight shall be transferred via a pivoted platform to a shear beam load cell of the electronic strain gauge type. Flexible cable shall connect load cell to indicator to allow easy remote installation of the readout. Cable length shall be \_\_\_\_\_ feet (10 ft standard). Cylinder chaining bracket shall be wall mounted and 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.

Indicator shall monitor\_\_\_\_\_\_\_\_\_\_(one or two) scale platform(s). The remote mounted LCD indicator shall carry CE marking and shall be housed in a NEMA 4X, UL approved enclosure. All operations shall be performed via a keypad with menu driven display prompts. No setting adjustment shall require entry into the enclosure to insure the NEMA 4X seal is always maintained. The alphanumeric LCD readout shall have backlighting for readability in low light conditions. Power requirement shall be 110/220 VAC.

A 6-digit numerical display shall give operator the ability to monitor chemical by weight (lb) or volume (gallons). A bar graph display shall read 0-100% for the net contents. A dual mode TARE key shall allow user to enter the tare weight of the vessel or enter the net weight of the chemical depending on application needs. A diagnostics menu shall allow recalibration without the need to apply field test weights. A user adjustable filter function shall stabilize display in the event of local vibration from pumps or mixers.

Indicator shall output net weight via a 4-20mA signal and full scale output shall be user adjustable via the keypad. Indicator shall have four adjustable set points to display low or high level conditions on the indicator.

*OPTIONAL: Set points shall activate \_\_\_\_\_\_ (up to four) Form C dry contact relays rated at 2A@30VDC, 60W max power, 220VDC max voltage.*

Scale shall carry a Full Five (5) Year Factory Warranty. “Limited” Warranties shall be considered unacceptable. Full scale accuracy shall be better than 1%. Scale shall be Electronic CHLOR-SCALE 150® and SOLO® G2 digital display, Model GR150-\_\_\_\_ manufactured by FORCE FLOW, 2430 Stanwell Drive, Concord, CA 94520 USA (www.forceflowscales.com).

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| **MODEL** | **NUMBER OF PLATFORMS** (*cylinders to be weighed*) | **IINDICATOR** *(included)* | **INDICATOR CHANNELS** |
| GR150-1 | 1 | SOLO G2 | 1 |
| GR150-2 | 2 | SOLO G2 | 2 |

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CYL/SOLOG2

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