

**TYPICAL SPECIFICATION
SOLO® XT
150 LB. CYLINDER SCALE**

SPECIFICATION SECTION 11261 - Chlorination Equipment

A quantity of _____ chlorine cylinder scales shall be provided and shall be of the digital readout/hydraulic load cell type. For redundancy, each weighing platform shall have a sole and separate weight indicator with no shared components. Scale platform shall be constructed of non-corrosive PVC plastic and sized to accept one (1) 150 Lb. cylinder. Platform scale coating system shall be a minimum dry thickness of 80 mils and be resistant to moisture, chemicals, abrasions, impact and UV light.

Scale shall be of the single hydraulic load cell design. Load cell shall be of the temperature stable, rolling diaphragm type. Flexible PVC coated copper tubing shall connect load cell to indicator to allow easy remote installation of the digital indicator. Tubing length shall be _____ ft. (meters) (6'2M standard) in length. Cylinder chaining bracket shall be wall mounted and use a double loop 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 utilize CROSS TECHNOLOGY to convert the hydraulic load cell signal into a digitally displayed weight value. Indicator shall be battery operated and shall not rely on any type of external power for display operation. Batteries shall provide approximately 4000 hours of display time. Indicator shall be housed in a NEMA 4X enclosure with 6 function keys for indicator operation. Net weight shall be displayed in two ways; a numeric display with .81 inch high characters, and an analog 0-100% bar graph display. A third display line shall prompt the user through routine user operations.

User shall be able to set the net weight either by scrolling in the net chemical weight, or scrolling in the tank tare weight. A menu key shall provide access to the following 5 functions: 1) Zero Indicator; 2) Set bar graph & 4-20mA capacity, 3) Set display auto-off time, 4) Set alarm relay values and 5) Set decimal point.

OPTIONAL 4-20mA ANALOG OUTPUT:

Indicator shall have a Loop-powered (12-36 volts DC by others) 4-20mA output proportional to Net Weight. An 18 inch flying lead shall be provided for termination in a user supplied junction box.

OPTIONAL LEVEL ALARM RELAY:

Indicator shall have a .5 amp level alarm set point that can be configured for either a high or low level alarm condition. An 18 inch flying lead shall be provided for termination in a user supplied junction box.

Scale shall carry a Full Five (5) Year 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 SOLO™ XT digital display, Model XT_____-_____, as manufactured by FORCE FLOW, 1150-D Burnett Avenue, Concord, CA 94520 USA (www.forceflow.com), or equal.

PLATFORM & INDICATOR:	Model No	Metric Model	No. of Cylinders
<u>BATTERY POWERED:</u>	XT150-1	XT100K-1	1
	XT150-2	XT100K-2	2
<u>WITH 4-20mA:</u>	XT150-1MA	XT100K-1MA	1
	XT150-2MA	XT100K-2MA	2
<u>WITH 4-20mA & RELAY:</u>	XT150-1MAR	XT100K-1MAR	1
	XT150-2MAR	XT100K-2MAR	2



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