

Troya II Cylinder Filling Control System



The New Wave in Weigh Scale Control and Monitoring



The Troya II system offers maximum control over weigh scale filling operations, providing real-time data for each individual scale and for the complete platform. This system is equipped to prevent and report any event that may disrupt normal filling. The user can know, at any time, the number of cylinders filled by size, the number of both successful and failed fillings and the total quantity of LPG used, with minimum error. The Troya II is like having a computer terminal at each scale.



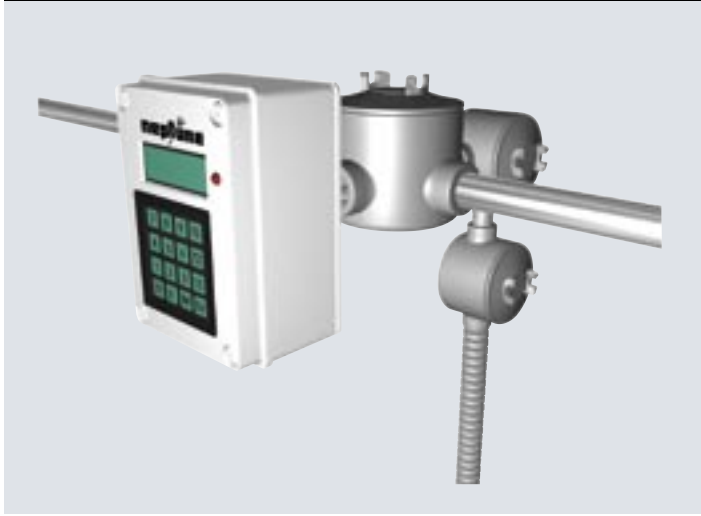
Features and benefits

- Easy and fast installation without modifications to existing facilities
- “Monitor System” Microsoft® Windows®-based software for real-time control of up to 99 scales from a central location
- Alphanumeric LCD screen
- Automatic control of pumps and valves
- Express filling functions
- Daily reports with activity data per scale or group of scales
- Alarms against fraudulent filling and leaks
- Compatible with electronic or mechanical scales
- Works with average cylinder tare or individual cylinder tare
- Manufactured under strict quality and security controls
- Hermetically sealed electronic enclosures for reliability under varying ambient conditions

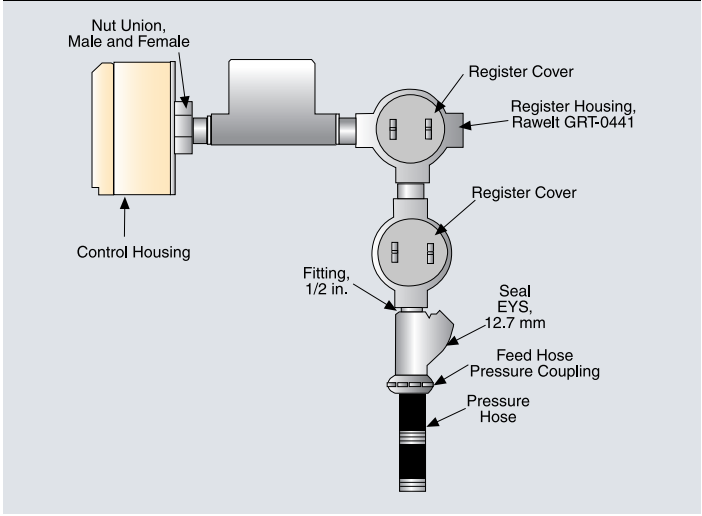
TS-361 Troya II Cylinder Filling Control System



The Troya II captures activity data per scale or group of scales.



End view.

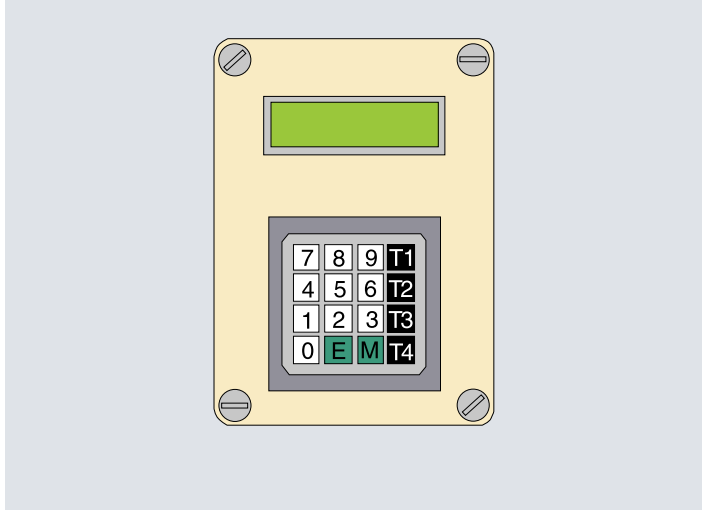


Troya II System Components

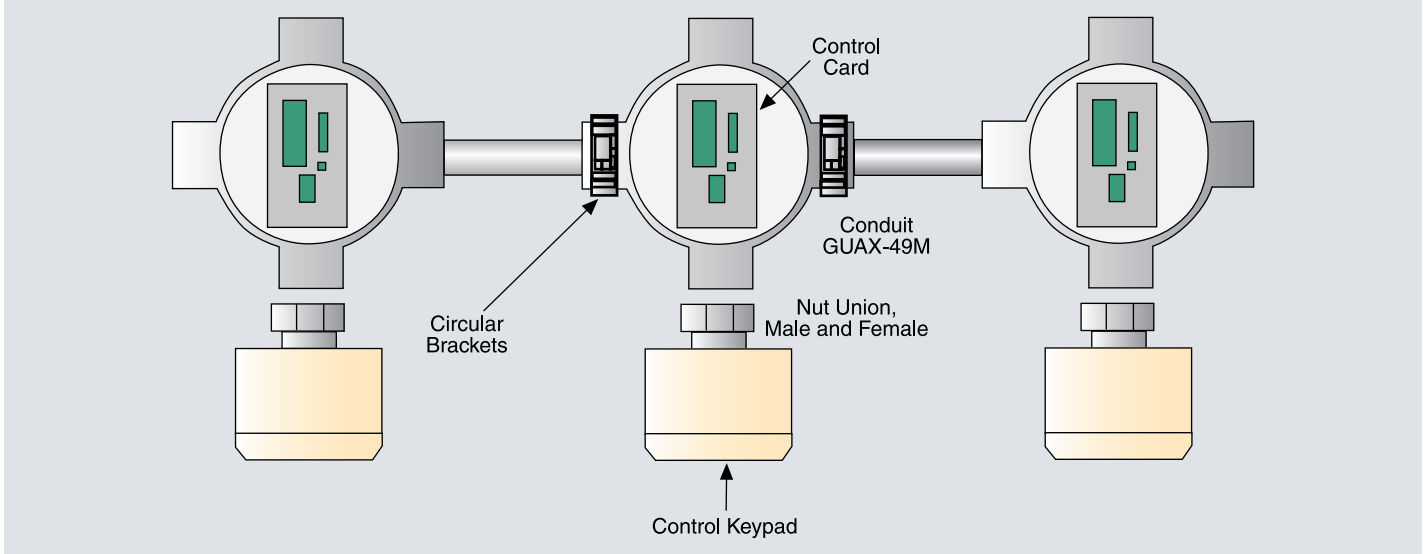
Key Identities

- 0-9** Numerical keypad
- T1-T4** Quick Keys, user-programmable for common repetitive functions
- M** To enter the Option menu
- E** Enter or Accept

Control keypad with back-lit alphanumeric display.



Plan view.



Electrical Specifications Troya II

Power Rating, Nominal	120 VAC, 0.35 A, 50–60 Hz
Communications	RS-232

Operational Modes

Minimal Mode (0). This mode is for multiple identical cylinders. Initial (tare) weight, maximum weight and programmable weight for the cylinder are preset. The keypad is disabled, preventing incorrect data being entered. If a placed cylinder fails to match the preset parameters, the system will not activate and will return the message, “OUT OF RANGE.”

Normal Mode (1). In this mode the numerical keys are functional and allow entry of a programmed final weight, provided the initial weight is not less than the percentage of initial minimal weight. If the initial weight does not comply with the value established, the system shows the message, “CHECK WEIGHT.”

Inhibited Mode (2). In this mode the Troya II shows the weight of the cylinder but will not permit filling. Both numerical and Quick Keys are disabled, but Menu and Enter keys remain functional.

Box Mode (3). For this prepaid delivery mode to be functional, an optional program must be installed on the PC, enabling the Troya II to query the PC to confirm a valid order number and prepaid weight. The Troya II then enables the numerical keyboard for the delivery to proceed.

Secure Mode (4). As with the Box Mode, a program must be installed on the PC so that the Troya II can access by order number the prepaid transaction record from the PC. Both the numerical keyboard and the Quick Keys are enabled to enter an order number and/or to register the minimal initial weight, maximum weight and the preset weight.

Exact Tare Mode (5). In this mode only the numerical keys are enabled for the user to enter the tare weight of the cylinder, according to the following sequence:

1. Place cylinder and connect hose
2. Enter the tare weight of the cylinder and press “E.”
3. The Troya II displays that the tare weight entered must be within the range defined by the quick key entries for minimum weight and maximum weight, T1 to T4. If the tare weight is within the quick key range, the Troya II will correct for the weight of the hose and then proceed to calculate the weight of gas to be delivered to reach the “TOTAL WEIGHT.” Cylinder filling will then commence. If the tare weight entered does not fall within the T1 to T3 range, the Troya II will display “OUT OF RANGE,” and the transaction will be aborted.

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Troya II dimensions.

