



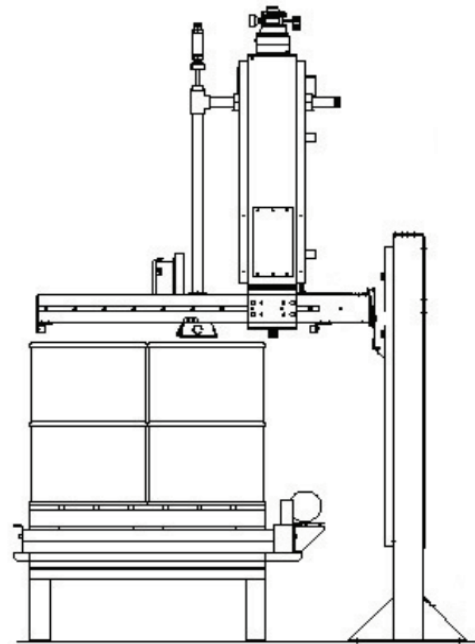
129 Clinton Ave.
Parkersburg, WV 26101
304-482-1433

MODEL 4S-55

The Velcon Model 4S-55 is designed to provide accurate, subsurface, liquid filling of 55-gallon palletized drums and larger totes. Velcon subsurface fillers provide a unique programmable product level tracking system to minimize foaming, reduce drips and maintain a clean lance. The model 4S-55 is made up of a robust 304 stainless steel structural construction or powder coated carbon steel. It incorporates an Allen Bradley PLC and HMI based KSS5069 control system. It has built in safety features to guarantee a safe clean and accurate filling.

Standard Features

- **General Purpose Non-Hazardous Area Electrical Classification**
- **KSS5069 Controller Hardware**
 - Allen Bradley CompactLogix PLC with Ethernet IP
 - Allen Bradley PanelView 7 Graphical or 15" touch screen user interface with Ethernet IP
 - 24V DC controls
- **Software**
 - User friendly menu driven system
 - Recipe programming and saving of all fill set points
 - Slow-Fast-Slow fill mode programming
 - Automatic Preact calculation
 - Resume capability to continue filling aborted fill cycles
 - No Drum-No fill feature prevents product spillage
 - Flow rate monitoring
 - Cycle time monitoring
 - Net weight Over/Under fill monitoring
 - System alarm display plus historian
 - Weight indicator control, Zero, Tare, Gross/Net
- **Air motor and ball screw driven SUB-SURFACE FILL RAISE BY WEIGHT SYSTEM.** This system will fill in subsurface mode keeping the lance at programmable position. Filling using this method eliminates foaming and keeps the lance clean.
- **Two ball valve system for Slow-Fast-Slow fill modes**
- **Hand operated lever for Fill Start/Stop operation**



*Conveyor Optional

Standard Construction

- **304 stainless steel structural construction or powder coated carbon steel**
- **316 stainless steel wetted parts (lance and pipe).**
- **304 stainless steel control NEMA-4X-enclosures**
- **Two-piece 316 stainless steel ball valves**
- **Foot valve at end of lance for minimizing drips**
- **Pneumatic stainless steel drip cup**
Fume collection hood with sight glass and 2" hose connection
- **Teflon seals and seats**
- **Sealed bearings and cam followers**
- **Carbon steel ball screw drive system**
- **Carbon steel low profile scale case**
 - Raised platform
 - Sealed load cells
 - 1 part in 5,000 resolution (5,000 Lb X 1.00 LB)
 - 5,000 LB capacity