



## RELIABILITY SOLUTIONS

# Counter-Weight Dispensing Tower & Loading Arm

*As dispensing infrastructure is established further away from traditional workshops and service areas, the dispensing equipment may not be installed adequately or maintained to an appropriate standard.*

*Integrated Reliability Solutions has been assisting operator in the area dispensing of fluids in a safe and manageable environment, whilst complying with Australian Standards AS1940.*

Our solutions have been developed as a result of observing some of the following issues with conventional methods for the Operator in Dispensing Fluids:

1. Unable to improve Housekeeping Standards
2. Non Compliance with Australian Standard AS 1940
3. Damaged hoses from misuse
4. Damaged Dispensing Nozzles
5. Hose Reels failure of mechanism and spring
6. Uncontrolled movement whilst retracting
7. Difficult to use
8. Safety issues with pulling out hose from reel



Figure 1 – Counter-weight Dispensing Tower In Use



Figure 2 – Remote Dispensing Container with Weighted Hose Towers.

We have considered some of the following points in our design:

1. Assist Operator to maintain Safe Housekeeping
2. To increase users versatility in the operation of the process
3. To increase Hose and Nozzle Life
4. Inclusion of Breakaway Valve in System
5. Control of Minor Spills
6. Lower Installation and Maintenance Costs
7. Increase Fluid Flow
8. Ease of use

# Counter-weight Dispensing Tower & Loading Arm

## Features

- Greaseable Rollers and Swivels
- Breakaway Couplings
- Surface Coating – Galvanized or Sandblasted and Painted
- FRAS Rated in accordance with ISO 8030 & ISO 8031 testing Standards
- Heavy Duty Construction
- SS316 Wire Cable on Counterweights
- Swaged Counterweight Cable Ends
- Hose Roller Sheave
- Reduce hose damage from bends and drag
- Incorporates Breakaway Valves to Reduce Spillage from drive off
- Ease of use for operator in handling and reduced strains
- Maintain a number of hoses in a restricted footprint
- Reduce Spills
- Easy to maintain and service
- Spare Parts easily available



Figure 3 – Diesel Load Out Boom



Figure 4 – Hose Reel Stand



Figure 5 – Counterweighted Hose Tower