



RELIABILITY SOLUTIONS

Remote Service Area Dispensing Unit

The increasing demand for Industry to provide storage and dispensing of fuelling, lubricants, coolants and grease in remote areas have resulted in Integrated Reliability Solutions developing a range of solutions.

Our solutions have been developed as a result of observing some of the following issues with conventional methods to resolve remote storage issues:

1. Non Compliance with Australian Standards
2. Inadequate Fluid Cleanliness and Filtration
3. Air Cleanliness & Ingress issues to storage systems
4. Climatic / Environmental Conditions
5. Poor storage systems not purpose designed
6. Slow service times
7. Reduced plant availability and efficiencies



Figure 1 – IRS Remote Storage, AS1940 Compliant System



Figure 2 – IRS 20 Foot Remote storage with Hose Reels

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

1. Compliance with Australian Standard AS 1940
2. Fluid Cleanliness levels required for specific equipment in accordance to AS ISO 4406
3. Tank Air Cleanliness
4. Tank overfill protection
5. Water/Moisture Ingression to storage systems
6. Structural integrity of tanks & support system
7. Reduced service times
8. Reduced plant availability and efficiencies
9. Ease of operation and maintenance

Remote Service Area Dispensing Unit

Specifications

- 20ft Dangerous Goods Shipping Container
- Self Bunded Floors @ 2500 litre capacity
- Oil Pump – Diaphragm or Piston Typically
- Coolant Pump - 3/4" Diaphragm Pump – 30 L / Min
- Thermal relief on pressure lines
- Air Service Units - Filter Regulator and Water Drain
- Filter in 3, 5, 7, 12, 10, 15 or 25 micron
- 1" or 3/4" x 20 meters Hose Reel - options
- 3/4"NPT Control Nozzle
- Tank Capacity – 500, 1000 or 2000 litre SFL- Heavy Duty Steel construction with fork tines and certified lifting hugs

Features

- Double doors at end and on side wall.
- Lockable Ball Valves for pump Isolation.
- Filter DP Visual Indicator.
- Filter Housing Pressure Bleed Down and Drain
- Tank Over Fill Protection.
- Pump Labeling.
- Dispensing-options Counter weighted tower or Hose Reels.
- Flush Face Dry Break Couplers on fill and dispensing.
- Fluid Level Sight glasses.
- Tank Breathers Desiccant type.
- Fire extinguisher & lighting options.



Figure 3 – Sealed and Ready of Transport



Figure 4 – Inside the Three Tank Container



Figure 5 – Hose and Gauges Set Up