

# Oil Depot Mechanical Bottom Loading Skids

## TANKER BOTTOM LOADING SOLUTIONS

**The cost effective replacement for top loading equipment**



- High flow rates up to 1400 litres per minute, per arm for fast tanker loading
- 1 to 5 product loading arms as standard for optimum flexibility.
- High accuracy metering to +/- 0.15% with high repeatability
- Optional equipment includes "on board or separate" loading pumps, hazardous area light bar, weather canopy, colour coded hose & meter stack covers, manual or semi auto API couplers.

Widely used in the oil distributor market as a cost effective replacement to outdated top loading equipment. Our bottom loading skids do not require the complex and expensive automation commonly found in main line terminals.

**Supplied complete and ready to operate with the minimum of onsite set-up**

S1053 Datasheet

**PETROLEUM TANKER LOADING SOLUTIONS**

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# Leaders in tanker loading systems

## Technical data:

### OIL DEPOT MECHANICAL LOADING SKID OPTIONS

| Data for our popular size skids    | AD80  | AD100         | AD150         |
|------------------------------------|---|---------------|---------------|
| Pipework & meter size              | 3in   | 4in           | 6in           |
| Max, Flow rate in Litres/min       | 800   | 1400          | 2400          |
| Meter Accuracy                     | +0.15%  | +0.15%        | +0.15%        |
| Strainer Protection                | 80 mesh   | 80 mesh       | 80 mesh       |
| System Pres. drop at max flow rate | 1.75 bar  | 1.75 bar      | 1.75 bar      |
| Loading envelope                   | Complies with API RP1004 / IE Petroleum Road tanker design, 3 <sup>rd</sup> edition |               |               |
| Hazardous Area Classification      | Zone 1 & 2 petroleum  |               |               |
| Pump sizes                         | 5.5kw or 7.5kw  | 7.5kw or 11kw | 15kw & 18.5kw |
| API Couplers Choice                | Semi Auto / Manual  |               |               |
| Other Options                      | Canopy, colour coded hose sleeves, register covers, lighting                        |               |               |

Our mechanical skids are designed with 5 main features:-

- High accuracy, high speed positive displacement flow meters in 3" or 4" sizes, dependent on the flow rate required.
- Traditional mechanical counters, printers and preset valves, provide individual registering and mechanical valve control of each meter.
- 4in bore, spring balanced, Petro-load bottom loading arms complete with durable drop hoses, IFC swivel joints and a choice of manual or semi auto API couplers.
- IFC Inflow five part Safety system featuring:
  - High level overfill prevention
  - Tanker earth monitoring
  - Vapour return with safety knock out
  - Centrally located emergency stop
  - Dry break coupling prevents spill on disconnect
- All equipment fully assembled and tested on a heavy duty, corrosion resistant galvanised steel frame to allow for easy on site placement and future site adjustment or movement.

For all **YOUR** tanker loading solutions



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