



The Fort Vale 4" Safeload Loading Arm System consists of a combination of top-quality components, each with unique design features. Designed, manufactured and tested in-house, the Safeload System can be configured to produce a top or bottom loading arm solution.

Unique to the market, the balance mechanism is manufactured in stainless steel, ensuring excellent corrosion resistance and inherent strength and durability. Balance adjustment is controlled by gas springs and a limiter bolt provides failsafe damage protection.

All swivels have an integral earth system that ensures electrical continuity, eliminating the necessity for separate earth wiring.

A choice of swivel seal materials is available, ensuring compatibility with a wide range of products and service conditions.

The intermediate and coupler swivels are available in stainless steel or aluminium.

A variety of spools and drop hoses are available for maximum installation flexibility and we offer a range of Safeload API bottom loading couplers to suit your operating requirements.

Specification

Base swivel flange connection	4" ASA 150
Pipework flange connections	4" TTMA
Design Pressure (MAWP)	16 Bar (232 PSIG)
Service Test Pressure	24 Bar (348 PSIG)
Design Temperature Range	-40°C to 70°C (-40°F to 158°F)

Materials of Construction:

Base Swivel	Stainless steel
Balance Mechanism	Stainless steel
Intermediate swivel	Stainless steel or aluminium
Coupler swivel	Stainless steel or aluminium

Suitable for Hydrocarbon fuels and Biofuels.
All components ATEX & PED compliant.

Configurations

Bottom Loading	Top Loading
Drop Hose	Pantograph
A Frame	Long Reach
Low Profile	

Component Parts

Part No.	Description
94/7015	Base swivel
94/7000XX	Complete balance mechanism
94/7125	Intermediate swivel – stainless steel
94/7025	Intermediate swivel – aluminium
94/7120X	Coupler swivel – stainless steel
94/7020X	Coupler swivel – aluminium