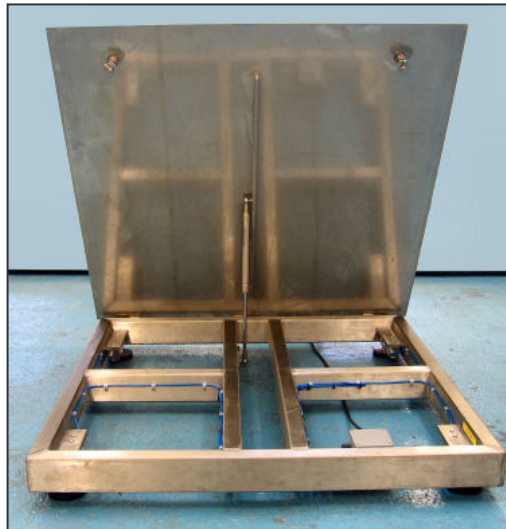




Procon Engineering

(A Division of National Oilwell Varco UK Limited)



Type FCGLP - Gas Lift Platform Scale

Capacities: 300 – 1000kg & 600 – 3000kg

Lifting top plate provides easy and safe access for cleaning

Ideal for pharmaceutical and food applications where hygiene is critical

Gas-spring assisted lift and support for top plate

Safety-support enhances safe working

Choice of materials and finishes including GMP (FDA) finish for pharmaceutical plants

Compatible with the full range of Procon weight indicators and batch controllers

ATEX certified versions for gas and dust Ex areas

EC “legal for trade” even in hazardous areas (with appropriate weight

Ideal for Hygienic Environments

Some processes must be carried out in sterile areas to avoid product contamination. Weigh scales for use in these areas must be designed without traps or crevices so they can be cleaned to a very high standard. These considerations have meant that weigh scales mounted in pits have not been popular as the pits created an obvious hygiene problem. But some weighing tasks are best carried out with scales that are flush with the floor. Weighing a mobile vessel of the type popular in pharmaceutical processing is much easier when it can be pushed onto a flush mounted floor scale rather than up, even a shallow, ramp. The FCGLP scale satisfies all these operational concerns. The stainless steel top-plate can be easily and safely raised to allow easy access to the pit for cleaning and maintenance.

Type FCGLP - Gas Lift Platform Scale

Technical Specification Sheet

Construction and Lifting Mechanism

The single piece lid is hinged at the rear edge and secured by two quarter-turn latching screws on the front. When these are released, the lid can be raised with gas - springs beneath the top plate providing most of the lifting effort. In the raised position, the gas -springs safely support the top plate whilst cleaning or maintenance is carried out.

The gas -springs are manufactured in 316 stainless steel and the complete scale is available in 304L or 316L stainless with a choice of finishes to meet client's requirements. Certificated Ra finishes can be supplied to meet client's site requirements.

Each scale has four stainless steel load cells, sealed to IP68, with a junction box for signal cables.

The scale can be supplied as freestanding or dormant with a stainless steel pit frame.

ATEX directive

If the area of use is zoned as hazardous (i.e. there is a potential dust or gas hazard present) then the ATEX certified version should be specified.

Legal for Trade

With the appropriate weight indicator, an FCGLP scale can be stamped for 'legal for trade' weighing even within a potentially explosive area.

SPECIFICATION	
Material of manufacture and finish	Stainless steel 304L brush grain, standard 316L brush grain, option
Pharmaceutical GMP (FDA) finish for stainless steel scales	240 grit or specific μm Ra values can be provided - refer to quotation for details
Feet	Adjustable feet in food grade rubber
Foot locators	Optional stainless steel plates to be screwed to floor to prevent scale shifting in use
Levelling	Feet adjustable, level bubble included for 'Legal for Trade' scales
Load cells	Four off IP68 stainless steel
Optional European Trade Approvals	<ul style="list-style-type: none">3000 d EC approval4000 d EC approval6000 d EC approval3 x 3000 d multi-range (must be used with approved instrument from the Procon range)
Optional ATEX certification for dust and gas hazards	Zones 1, 2, 21 & 22
Signal cable	Length supplied to suit application
Instrumentation	Compatible with the entire range of Procon weight indicators and batch controllers
Special versions	Procon can supply special versions including IBC guides etc

Dimensions and Capacities		
Capacity (kg)	300-1000	600-3000
Platform (mm) L x W	1000 x 1000	1250 x 1250 1500 x 1500
Nominal height (mm) H	120 (adjustable 118-130)	

Procon Engineering's policy is one of continuous product enhancement.

We therefore reserve the right to incorporate technical modifications without prior notification. E&OE.

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