



The Dimension Depositor Range



Steck has developed its new Dimension range of depositors based upon the feedback from its customers.

The Dimension range is precision engineered, with many unique features which eliminate the old issues of reliability, accuracy, performance and safety. To this end Stecks' new Dimension range has addressed the issues with features that include:

Features

- Steck 'Unity' Safety System
- Intelligent 'MinAir' System
- Reduction in power consumption
- Improved depositor accuracy
- Improved noise reduction levels
- Reduction in product contact parts
- Patented 'Steck-Link' valve drive System
- Fully isolated Push On/Push Off air system
- Increased power capabilities
- Fully modular cassette engine design for ease of maintenance
- Fully IP65 sealed pneumatics for protection from the cleaning environment
- Steck pilot-less air circuit (including safety circuit)

The Dimension Range of depositors from Steck are capable of handling the widest range of products from water to high viscosity particulated applications, and find highly successful applications in the following industries:

- Dairy
- Chocolate and Confectionery
- Biscuit and Bakery
- Pharmaceutical and Healthcare
- Personal, Household and Industrial
- Ready Meals

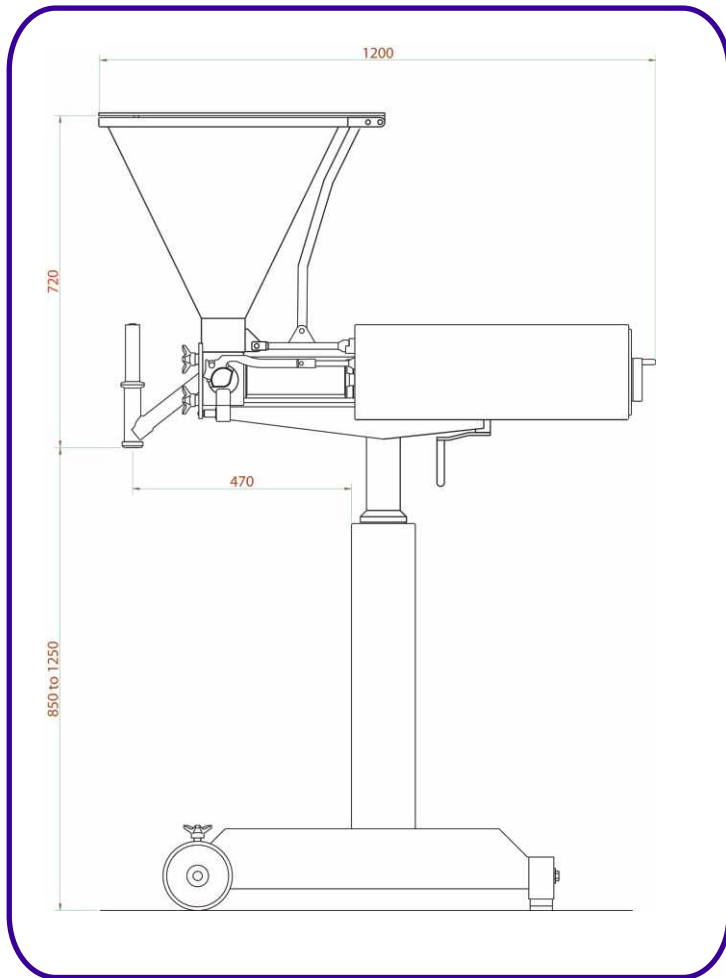
The Dimension depositor range is engineered in approved materials, 316 Stainless Steel is used in all product contact areas. The machines are substantially easier to maintain than rival models built between bulkheads to essentially 1980's designs.

Stecks' depositors offer unrivalled vacuum capabilities and in many applications can lift products directly from a low level source, avoiding the need for a pump. This capability is unique in the industry, and is an illustration of the precision with which the machines are designed and manufactured.

The Steck Challenge

Steck challenge any other depositor manufacturer to match our performance in terms of accuracy, air consumption and speed of cleaning. We will gladly take part in demonstration trials at your site and with your product with no obligation. Just call to find out how Steck technology will improve both your production and bottom line.

TECHNICAL SPECIFICATION



Technical Features

Improved Safety System

The 'Unity' Safety System is a single safety system covering the hopper, hopper lid and front plate using only a single valve. It is essentially impossible to override, and when the machine safety circuit has been tripped, the air circuit on the machine is fully isolated.

Patented 'Steck-Link' system

The Steck depositor has a unique Steck link System for rapid removal of the D-valve. Coupled with a lift off hopper connection, the front end can be stripped and cleaned in a fraction of the normal time with no small lose parts.

The quietest machine in the Industry

The Dimension range offers the quietest machines in today's market. And with increasing concerns about aerosols at product height, all Steck machines exhaust at floor level.

Reduction in energy consumption

A Steck depositor is capable of saving up to 75% on industry standard machines. Due to its intelligent use of air it will show a typical 50% saving. That equates to around 1.5kW power saving per machine. This system is called the Steck 'MinAir' System, and is unique to Steck. This economy is not achieved by sacrificing maximum power capability, a Dimension depositor has 10% more depositing power than recently launched competitors models.

Technical Data

Performance Data

Maximum supply pressure	10 Bar
Minimum supply pressure	4 Bar
Power cylinder bore	80 mm
Power cylinder stroke (max)	150mm
Power cylinder stroke (min)	10 mm
Stroke repeatability	0.03%
Maximum depositing energy (6 Bar supply)	450 J
Maximum depositing force (6 Bar supply)	3015N
Maximum speed at full stroke	70 strokes per minute
Maximum speed at min stroke	240 stokes per minute
SPR (Suction Pressure Regulation)	0-4 Bar
Maximum air consumption	14 cfm
Typical air consumption	6.5 cfm

Safety Specification

Steck 'Unity' single valve Safety System
Push-on/push-off main air supply
Zero Stored Energy in tripped mode
Hopper and Hopper lid locking

Engine Specification

Pilot-less depositing engine with IVA, Vari-volume and SPR technology
'Metered in' Air system
Fully interlocked valve and deposit action
'2 x 5/2' valving with optional duplicate 5/2 for nozzle

Product Valve Specification

Internally Chromed and ground 316 Block
Ground 316L valve with 'Steck-Link' Drive
Sealing 2 x Quad Ring seals
32mm dia maximum particulate
Max 'no leak' pressure (air) 30 Bar
Min 'no leak' pressure (air) 750mm hg vacuum
Max suction (gp nozzle) 380mm hg
Typical priming capability (suction mode) 2500mm lift

Product Cylinders & Piston

2", 3", 4.5" interchangeable 316L
Polyurethane seals and two piece piston
NAB gudgeon pin fixing



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