

## THE DIMENSION DEPOSITOR RANGE



**STECK** HAVE DEVELOPED THEIR NEW DIMENSION RANGE OF DEPOSITORS BASED UPON THE FEEDBACK FROM THEIR CUSTOMERS

### FEATURES

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

- 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 'casseted' engine design for ease of maintenance
- Fully IP65 sealed pneumatics for protection from the cleaning environment
- Steck pilot-less air circuit (inc. safety circuit)

### UNRIVALLED DESIGN

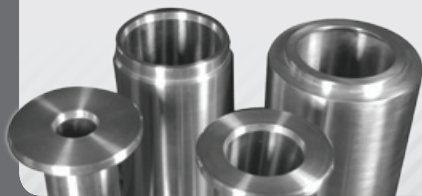
The Dimension depositor range is engineered in approved materials (316L Stainless Steel is used in all product contact areas). With the unique 'casseted' engine design the machines are substantially easier to maintain than rival models, which are built between bulkheads to essentially 1970's designs. Steck's 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.

### APPLICATIONS

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

- Dairy
- Chocolate & Confectionery
- Biscuit & Bakery
- Pharmaceutical & Healthcare
- Personal, Household & Industrial
- Ready meals

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**Steck challenge** any other depositor manufacturer to **match their performance** in terms of accuracy, air consumption and speed of cleaning. Steck 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 profitability.

## TECHNICAL SPECIFICATION



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### 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	450 J (6 Bar supply)
Maximum depositing force	3015N (6 Bar supply)
Maximum speed at full stroke	70 (strokes/min)
Maximum speed at min stroke	240 (strokes/min)
SPR (Suction Pressure Regulation )	0-4 Bar
Maximum air consumption	14 cfm
Typical air consumption	6.5 cfm

### 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 loose 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.

### 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

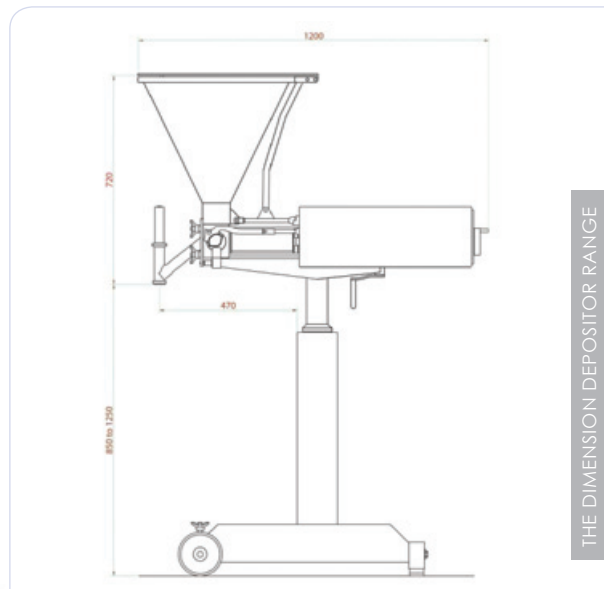
- Pilot-less depositing engine with IVA, Vari-volume and SPR technology
- 'Metered in' Air system
- Fully interlocked valve and deposit action
- '2 x 5/2' valving with optional duplicate 5/2 for nozzle

### PRODUCT VALVE SPECIFICATION

- Internally chromed and ground 316L Block
- Ground 316L valve with 'Steck-Link' Drive
- Sealing with 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 & PISTONS

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



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### CONTACT STECK

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