



# Product Guide



**ADELPHI**  
MANUFACTURING





# ADELPHI

## MANUFACTURING

Precision Engineered Filling Solutions,  
Trusted Worldwide.

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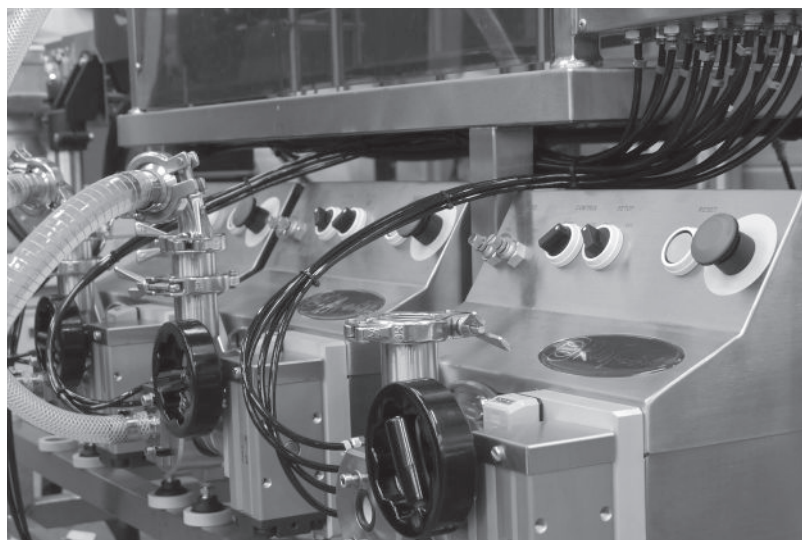
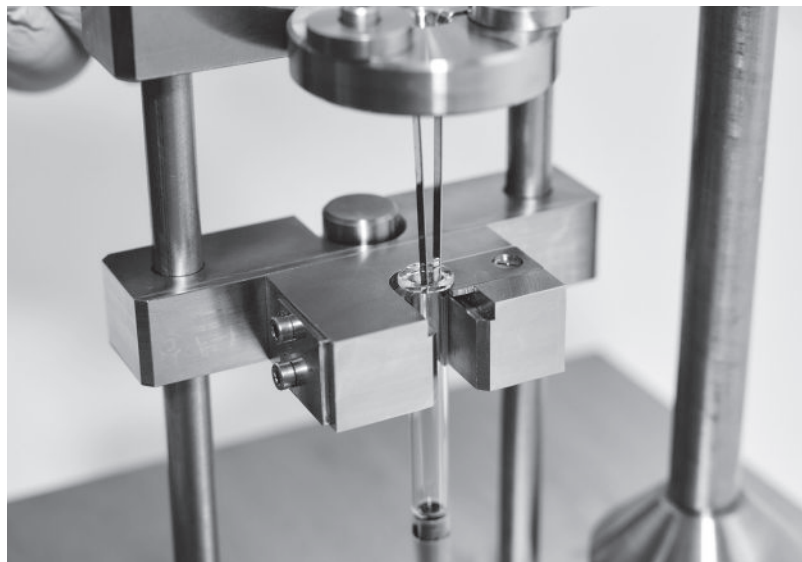
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**ADELPHI**  
MANUFACTURING

# About Us

**We are a leading manufacturer of high quality machinery and equipment ranging from washing to filling, capping/closing and liquid inspection.**

All are made to pharmaceutical and food industry standards, and are suitable for use in manufacturing production areas, laboratories and kitchens, particularly where the highest standards of hygiene are required.



## Quality Guarantee

Our customers operate to exacting standards. Therefore our products meet the highest standards of hygiene and reliability, whatever the production environment. All our products are manufactured from FDA approved materials, and are fully certified where required.



## Sustainability

At Adelphi Manufacturing we take our environmental responsibilities very seriously. We strive to ensure that every aspect of our supply chain meets the exacting standards of our environmental policy.



963 650 127   
 quilinox@quilinox.com   
 www.quilinox.com 



### Practical Advice

Our experienced and knowledgeable support team are waiting to help you, and are available Monday to Friday, between 9am and 5pm. They know our product range inside out, so can pinpoint the exact part you need or find the right solution to meet your requirements.



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# Corporate Social Responsibility

**At the Adelphi Group of Companies, doing the right thing matters just as much as doing things well.**

Our Corporate Social Responsibility (CSR) approach reflects a long-standing commitment to operating ethically, supporting our communities, protecting the environment and maintaining the highest standards across our operations.

## Community

**Giving back to the community is deeply ingrained in our identity.**

- We support a range of local and national charities through fundraising, volunteering and donations, and we actively work with schools and youth groups to inspire future careers in science, engineering and healthcare.
- Each year, we host Year 10 work experience placements and take part in STEM initiatives designed to spark curiosity and encourage young people to explore technical subjects.

We believe **responsible** business drives **sustainable growth** for **our people**, our **customers** and the **wider world**.

## Environment

**We are committed to reducing the environmental impact of our operations through meaningful action and continuous improvement. Across our site, renewable energy and smarter resource use play a central role.**

- Our roof hosts 256 photovoltaic solar panels that generate surplus renewable electricity each year.
- We harvest around 12,000 litres of rainwater every month, while a restored artesian well provides additional water for machine testing and cleaning processes.

**Transitioning towards lower-carbon technology is also a priority.**

- Our air-source heat pump significantly reduces emissions compared to previous heating systems.
- Future company vehicle replacements will be hybrid models as standard.
- Internally, we consistently recycle more than 95% of our cardboard each month.

## Looking Ahead

For Adelphi, CSR is a journey of continuous improvement. We will keep setting ambitious goals, strengthening our sustainability strategy, partnering with ethical suppliers and contributing positively to the communities and industries we serve. **Our commitment is long-term and it reflects our belief that responsible business is the foundation of a sustainable future.**

These efforts, along with many others, contributed to Adelphi achieving **'Committed'** status from **EcoVadis** in 2025.

Adelphi's Apollo Liquid Viewers offer a simple yet effective method of detecting particulate matter unintentionally present in liquids.

# Apollo LIQUID INSPECTION

# Apollo I Liquid Inspection Unit

**Description: APOLLO I LIQUID VIEWER**  
**Item Code: 6031301**

**Reliable and accurate visual inspection for particulate contamination in liquid pharmaceuticals.**

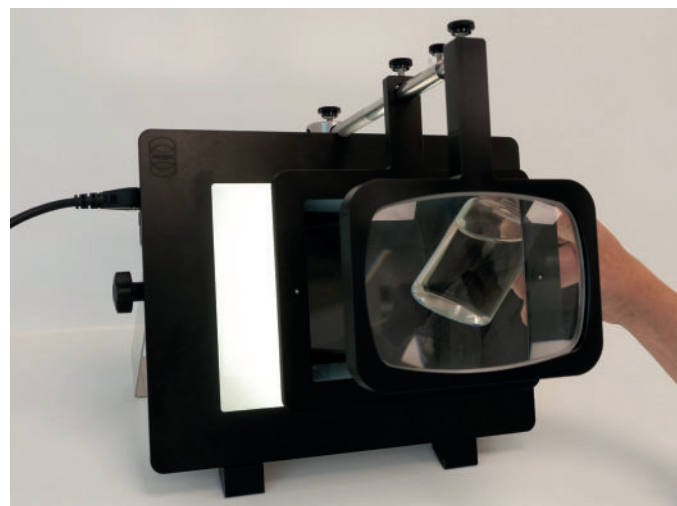
The Apollo I Liquid Inspection Unit is designed for the visual inspection of clear liquid pharmaceutical injections and intravenous infusions packaged in transparent containers. It enables operators to reliably detect unwanted particulate contamination, supporting confidence in product quality during manual inspection.

The Apollo I uses a double polarised inspection system. A polarised backlight is positioned behind the container, with a second polarised filter in front, with a polarised filter set at 90°. When the polarised light from the back filter strikes a moving particle within the liquid, it is refracted so that it is not absorbed by the second filter, making particulates more visible to the operator during inspection.

- Equipped with 1.7x magnification, the Apollo I allows operators to observe small particulates more easily, supporting accurate and consistent inspection results.
- The integrated LED light source provides bright, consistent illumination with long service life, ensuring dependable performance while minimising maintenance requirements.
- Adjustable height and viewing angle allow operators to work comfortably during extended inspection periods. All main visible components within the inspection field are finished in black to reduce reflections that could distract from the visual inspection.
- The unit is supplied ready for rapid assembly and is straightforward to set up on delivery, allowing inspection activities to begin quickly with minimal disruption.

*IQ and OQ documentation is available on request, supporting GMP validation requirements and regulated pharmaceutical environments.*

**1.7x  
Magnification**



## Technical & Specifications

Machine Height	420 mm
Machine Width	320 mm
Machine Weight	Nett: 4.9 kg Gross: 7.2 kg
Standard Electrical Supply	110/240V AC 50/60 HZ
Carton size	50 x 41 x 27 cm
Second polarised filter dimensions	147 (w) x 117 (h) mm

## LIQUID INSPECTION

### Apollo II

**Description: APOLLO II LIQUID VIEWER**  
**Item Code: 6031522**

**EU, BP & US Pharmacopoeia-compliant visual inspection for particulate contamination in clear liquids held in transparent containers.**

The Apollo II Liquid Inspection Unit has been specifically developed to establish and maintain the correct conditions for manual visual inspection of particulate contamination in transparent liquids packaged in transparent containers. It supports compliance with key international pharmacopoeia requirements used in pharmaceutical quality control.

#### Compliant Pharmacopoeia Standards

The Apollo II is designed to meet the visual inspection requirements of:

- European Pharmacopoeia EP 2.9.20
- British Pharmacopoeia BP 2.9.20
- United States Pharmacopoeia USP (1790) Section 6.1

#### Dual-Panel Visibility for Particle Detection

The inspection area features a vertical matt black panel and a non-glare white panel, allowing operators to reliably detect both light and dark particulates during inspection. The inspection panels are reversible and replaceable to support long-term use.

#### Controlled, Adjustable Illumination

Light intensity is adjustable between 2,000 and 3,750 lux, providing the required illumination range for compliant visual inspection. The LED light source operates at a colour temperature of 4000K, ensuring consistent and controlled lighting conditions.

#### Ergonomic, Operator-Focused Design

The unit is fully adjustable for height and viewing angle, enabling comfortable operation during prolonged inspection sessions. The light unit can be angled to shield the operator's eyes from direct exposure to the bright light source, helping to reduce eye strain.

#### Quick Assembly & Practical Storage

Designed for tool-free assembly, the Apollo II allows rapid setup and disassembly. The unit folds down for compact storage, with inspection surfaces protected when not in use, making it well suited to laboratory and production environments with limited space.

#### Durable, Long-Life LED Lighting

High-efficiency LED bulbs provide a service life of up to 50,000 hours, ensuring dependable performance with minimal maintenance.

Optional IQ/OQ documentation is available to support GMP validation. Calibrated light meters suitable for measuring LED light sources are also available separately to verify inspection conditions.



- Conforms to the European Pharmacopoeia Specification 2.9.20 and to the US Pharmacopoeia USP chapter 41, section 6.1.

#### Technical & Specifications

Machine Height	445 mm adjustable
Machine Width	714 mm
Machine Depth on Bench	420 mm
Inspection Panel Dimensions	345 × 301 mm (Black) 345 × 301 mm (White)
Number of Bulbs	2
Length Illuminated on Each Bulb	518 mm
Machine Weight	Nett: 10 kg Gross: 7.9 kg
Standard Electrical Supply	100 to 240VAC 50/60 Hz
Typical Power Consumption	20 Watts
Carton Size	76 × 52.5 × 26.5 cm

## LIQUID INSPECTION

# Apollo II High Intensity Liquid Inspection Unit

**Description: APOLLO II HIGH INTENSITY LIQUID INSPECTION UNIT**  
**Item Code: 6031521**

**High-intensity, EP, BP and USP-compliant visual inspection for coloured or opaque pharmaceutical containers and preparations.**

The Apollo II High Intensity Liquid Inspection Unit is purpose-built for use with coloured glass containers, translucent plastic containers and turbid or coloured liquid preparations, where standard illumination is insufficient for reliable visual inspection.

### Technical & Specifications

Machine Height	445 mm adjustable
Machine Width	714 mm
Machine Depth on Bench	420 mm
Inspection Panel Dimensions	345 × 301 mm (Black) 345 × 301 mm (White)
Number of Bulbs	3
Length Illuminated on Each Bulb	518 mm
Machine Weight	Nett: 10 kg Gross: 7.9 kg
Standard Electrical Supply	100 to 240VAC 50/60 Hz
Typical Power Consumption	30 Watts
Carton Size	76 × 52.5 × 26.5 cm



## LIQUID INSPECTION

### Apollo II 6500K Liquid Inspection Unit

**Description: APOLLO II 6500K LIQUID INSPECTION UNIT**  
**Item Code: 6031523**

**Daylight-equivalent liquid inspection for particulate detection in transparent pharmaceuticals. EU, BP & US Pharmacopoeia compliant and designed for rigorous visual quality control.**

The Apollo II 6500K Liquid Inspection Unit uses 6,500K colour temperature LED lighting to closely replicate natural daylight conditions. This allows operators to accurately assess liquid clarity and colour and reliably compare samples against reference standards during visual inspection.

- Pharmacopoeia-compliant visual inspection
- Compliant pharmacopoeia standards
- Dual-panel particulate visibility
- Controlled, adjustable illumination
- Ergonomic, operator-focused design
- Quick assembly and practical storage
- Durable, long-life led technology
- Validation and measurement support



Technical & Specifications	
Machine Height	445 mm adjustable
Machine Width	714 mm
Machine Depth on bench	420 mm
Inspection Panel Dimensions	345 × 301 mm (Black) 345 × 301mm (White)
Number of Bulbs	2
Length illuminated on each bulbs	518 mm
Machine Weight	Nett: 10 kg Gross: 7.9 kg
Standard Electrical Supply	100 to 240VAC 50/60 Hz
Typical Power Consumption	20 Watts
Carton Size	76 × 52.5 × 26.5 cm

### Apollo II Dimmable Liquid Inspection Unit

**Description: APOLLO II DIMMABLE LIQUID INSPECTION UNIT**  
**Item Code: 6031524**  
**Item Code: 6031524-120**

**This is an adaptation of the standard Apollo II unit, built with a dimmer for the LED bulbs. Suitable for products that require lower lux level for inspection than is recommended in the EP2.9.20.**

Inclusion of the dimmer enables light intensity to be varied from 3,750 down to 1,200 lux, by adjusting the lamp height and dimmer control. We recommend a calibrated light meter suitable for light from an LED source, being used to set the light level – available upon request.



- Lux range 1,200 up to 3,750 lux
- Light colour temperature 4,000K
- Available to suit either 230VAC and 120VAC

If the light level is set between 2,000-3,750 lux, the unit meets: European Pharmacopoeia Specification 2.9.20, British Pharmacopoeia BP2.9.20 and to the US Pharmacopoeia USP chapter 41, section 6.1.



Adelphi manufactures the highly regarded Response range of hygienic, versatile and scalable filling machines, ideal for small to medium batch production environments.

Response

FILLING

## Response Benchtop Filler

Compact, high-accuracy benchtop liquid and cream filling machine designed for fast, hygienic and efficient small-batch production.

### Wide Filling Range

The Response Benchtop Filler is supplied with four optional standard interchangeable pump sets, allowing accurate filling across a broad volume range to suit different container sizes and product types. Pump cylinders feature an electropolished finish for improved hygiene and cleanability.

### Flexible Product Feed Options

Liquid products can be drawn directly from bulk containers via a suction hose and non-return valve. Thicker products, creams and pastes are fed from a hopper system, with multiple hopper sizes available to suit production requirements.

**“Reliable, good solid pieces of equipment that have lasted.**  
*When we’ve looked at other cheaper machines, in the long-term this would have been false economy.”*

Eve Taylor (London) Ltd.



*With our standard hopper for filling liquids, oils, gels, creams, pastes, and solids-in-suspension*



*Pipe feed attached, for liquid fills sucking product bulk container on floor*



*Heated hopper for hot fills*

### Technical & Specifications

MODEL	SINGLE HEAD	TWIN HEAD
Typical Product Output	Up to 40 per min	Up to 60 per min
Fill Volume Range	4 ml – 1000 ml	5 ml – 100 ml
Machine Height Without Hopper	340 mm	
Machine Width	343 mm	
Machine Weight	41 kg	44 kg
Compress Air Consumption	5L at 6 bar per cycle	



Exceptional filling accuracy of  $\pm 0.25\%$  - a 75% improvement on the industry average of  $\pm 1\%$

#### Interchangeable Nozzle Solutions

A wide range of nozzles is available to accommodate different product viscosities and container dimensions. Options include swage tip nozzles, cut-off nozzles with tip sealing, and full-bore cut-off nozzles in multiple sizes, supporting clean, drip-free filling.

#### Compact & Convenient Design

With a small benchtop footprint, the Response Benchtop Filler is ideal for facilities where space is limited. It is well suited to laboratories, pilot plants, batch production runs, start-ups and growing manufacturers.

#### Quick-Strip for Rapid Cleaning

The machine fully strips down in as little as three minutes, significantly reducing downtime between product changes and supporting high hygiene standards.

#### Product & Container Flexibility

Designed to handle liquids, oils, gels, creams, pastes and products containing particulates. Suitable for filling bottles, jars, tubes, vials, pots and similar containers.

#### Safe, Reliable & Scalable

Available with one or two filling heads and interchangeable nozzles. Systems can start as semi-automatic and be upgraded for automation, including integration of up to four benchtop fillers on the **Response Automation Base** or the addition of capping via the **Response Monobloc Filler/Capper**. The filler can also be automated into larger systems such as form-fill-seal machines.

#### ATEX Configuration Available

An ATEX-compliant version is available for use with products that may generate explosive mists or vapours, supporting safe operation in hazardous environments.

## Service & Maintenance

### Hygienic, Pharmaceutical-Grade Construction

All product contact parts are manufactured from 316L stainless steel and virgin PTFE, with FDA-compliant materials used throughout. Standard sealing materials include FKM (Viton), with alternative seal options such as EPDM, silicone and FFKM available to suit specific product requirements.

Food-grade PVC suction hoses are used where applicable, and the machine's quick-strip design allows fast, thorough cleaning to support strict hygiene protocols and minimise production downtime.

## Accessories

### Standard Nozzles

A wide variety of interchangeable nozzles are available for different products. A remote nozzle for dosing into or over food, etc. can also be supplied.

### Special Nozzles

Cut-off nozzles for a clean fill with no dripping are available, and are attached to the Response using the same fixings as any other nozzle. They are pneumatically operated and powered through the accessory ports on the front of the machine.

### Feed Hoppers

Available in 316L stainless steel and in standard 6 litre, 20 litre and 50 litre sizes, our hoppers can be supplied plain, insulated for cold products or electrically heated for hot fills. All are connected with hygienic Tri-Clover type fittings.

### Multi-Dose Counter

A counter attachment is available to control multiple shots.

### Mixers & Stirrers

We can supply a variety of mixers and stirrers, free standing or lid mounted, in a variety of sizes.

### Other Accessories

- Diving nozzles
- Remote cut-off nozzle
- Level control sensor fitted to hopper
- Spinning table for filling irregular shaped jars
- 2-speed filling system
- Stainless steel trolleys
- Adjustable bottle support



## FILLING

### Response ATEX Filler

Zone 1 CAT IIB 2 G c T4 (135°C) automatic filling machine.

ATEX is the name commonly given to the European Directive for controlling explosive atmospheres. Our Response Filler can be adapted to comply with ATEX directive 2014/34/EC concerning equipment and protective systems intended for use in potentially explosive atmospheres.

There are three zones relating to ATEX compliancy – the Adelphi ATEX Response meets Zone 1 and Zone 2 compliance (but not Zone 0).

- Zone 1 (Category 2) is defined as an area where explosive mixtures are likely to occur occasionally.
- Zone 2 (Category 3) is defined as an area where explosive mixtures occur infrequently and for short periods of time.

Our standard Response machines are adapted to adhere to ATEX requirements, and are made with qualified pneumatic components and conductive airpipe. We engineer-out any possible sources of static build up, and we ensure good earthing via an Earth Point included at the rear. Materials such as stainless steel are used to replace some aluminium and plastic parts, and the machine is raised on different feet to allow grounding. Additionally, the hopper comes with a lid to reduce fume release.

Our ATEX adapted Response fillers can come with various seal and O-ring options, which we will assess to ensure compatibility with your product:

- FKM (Viton)
- EPDM
- FFKM (Kalrez)
- Teflon encapsulated FKM

We have lodged a technical file with an approved body.

Please note that our ATEX machine covers applications where is an explosive risk from fumes or mists (not dust).



The Earth Point



ATEX compliant feet

## Response Benchtop pH Filler

A proven high-accuracy benchtop filling solution, engineered specifically for corrosive liquids that attack conventional stainless steel systems.

### Innovative Pump Set & Filling Head Design

Engineered to handle a wide range of corrosive products, suitable for liquids, oils, gels and light creams.

### Specialist Corrosion Resistant Contact Parts

Manufactured from Polypropylene, Titanium, PTFE and PVC. Which is ideal for industrial, cleansing, pharmaceutical and diagnostic liquids.

### Enhanced Machine Protection

Polypropylene covers help protect the machine in the event of spillages. The PTFE-coated 316L stainless steel front plate, prioritises corrosion resistance while maintaining structural integrity.

### Fast, Precise & Versatile

Deliver consistent, repeatable fills at high accuracy, helping reduce product waste and improve process efficiency across small-batch and laboratory production environments.

### Wide Filling Range

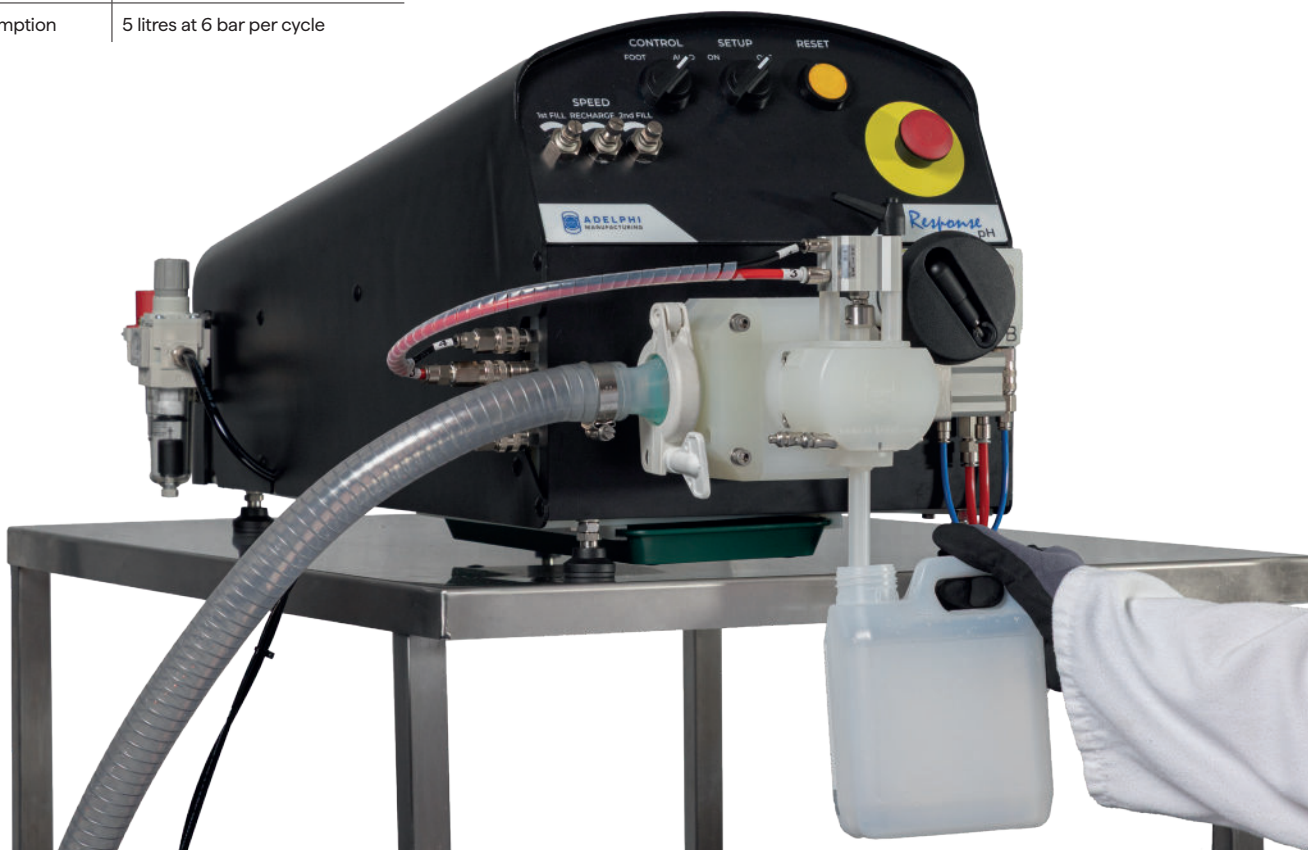
The Response Benchtop Filler is supplied with four standard interchangeable pump sets, allowing accurate filling across a broad volume range to suit different container sizes and product types. Pump cylinders feature an electropolished finish for improved hygiene and cleanability.

### Flexible Product Feed Options

Liquid products can be drawn directly from bulk containers via a suction hose and non-return valve. Thicker products, creams and pastes are fed from a hopper system, with multiple hopper sizes available to suit production requirements.

### Technical & Specifications

Typical Product Output	Up to 25 per min
Fill Volume Range	10 ml - 1000 ml
Machine Height Without Hopper	340 mm
Machine Width	343 mm
Machine Weight	41 kg
Compress Air Consumption	5 litres at 6 bar per cycle



## FILLING

### Response Monobloc 250 Filler & Capper

Compact, high-accuracy filling and capping system for bottles, jars and vials. Maximising productivity and minimising waste.

#### Fast & Efficient

Fill and cap up to 35 containers per minute with industry-leading accuracy of  $\pm 0.25\%$ , reducing waste and maximising yield.

#### Compact Footprint

The space-saving Monobloc design integrates filling and capping into one streamlined system, ideal for small to medium production areas.

#### Quick-Strip Design

Changeover between products or container sizes takes just minutes, minimising downtime and increasing productivity. Versatile Filling Range: Handles fill volumes from 5 ml to 250 ml, suitable for bottles, jars and screw-top vials.

#### Hygienic Construction

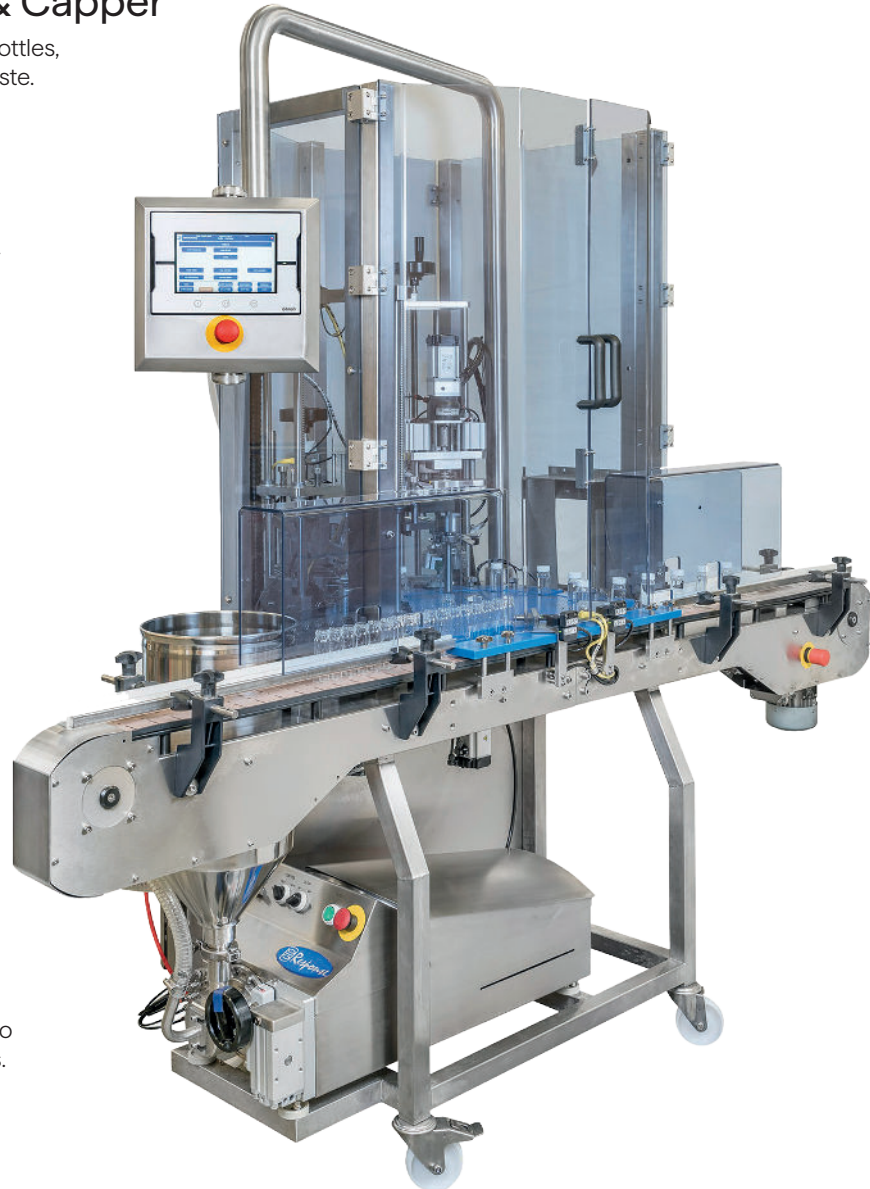
Product contact parts are made from 316L stainless steel, FKM (Viton) and PTFE, ensuring compliance with FDA. Hose connections can be supplied in food grade PVC or silicone.

#### User-Friendly Interface

Easy-to-use HMI touchscreen controls allow precise adjustments, recipe change and simplified operation.

#### Modular Efficiency

Incorporates the Response Benchtop Filler, which can also be independently operated for flexible production setups. Alternatively, it can be configured to work with a peristaltic pump.



#### Technical & Specifications

Typical Product Output	30 - 35 per min
Fill Volume Range (Or Ranges)	5 ml - 500 ml
Machine Height	2032 mm
Machine Width	1120 mm
Machine Weight	275 kg
Standard Electrical Supply	3 phase 400V, 50 Hz + Neutral
Compress Air Consumption	7.5L at 6 bar
Maximum Bottle Diameter	85 mm (outer diameter)
Maximum Bottle Height	250 mm
Maximum Cap Diameter	45 mm

The Response Monobloc Filler has been designed to work with our Adelphi Response Volumetric Filler, but it can also be configured to incorporate fillers from other suppliers.

Suitable container dimensions:

- External diameter up to 85 mm
- Height up to 250 mm
- Cap diameter up to 45 mm

## Response Monobloc 1000 Filler & Capper

High-accuracy filling and capping system with optional vacuum capping engineered for precision, hygiene and performance.

### Fast, Accurate, and Reliable

Fill and cap 15-25 containers per minute with an exceptional accuracy of  $\pm 0.25\%$ , reducing waste and improving profitability.

### Compact Footprint

The space-efficient Monobloc design combines filling and capping into one unit, perfect for small to medium production spaces.

### Quick-Strip Design

Disassembles easily for cleaning in minutes, minimising downtime between production runs.

### Flexible Fill Range

Designed for fill volumes from 50 ml to 1000 ml, ideal for bottles, jars and screw-top vials across a wide range of products.

### Hygienic, Durable Construction

All product contact parts are manufactured from 316L stainless steel and PTFE, compliant with FDA. Hose connections can be supplied in food grade PVC or silicone.

### Optional Vacuum Capping

Available with vacuum sealing to eliminate oil leakage in viscous or oily products such as nut butters, ensuring every container reaches customers in optimum condition.

### User-Friendly Interface

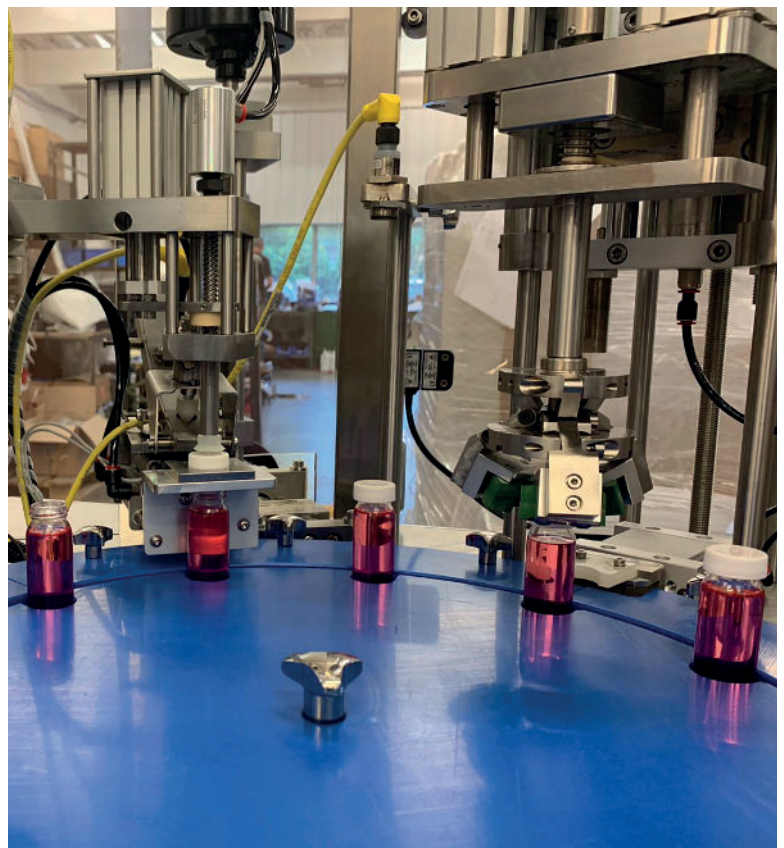
Easy-to-use HMI touchscreen controls allow precise adjustments, recipe change and simplified operation.

### Modular Efficiency

Incorporates the Response Benchtop Filler, which can also be independently operated for flexible production setups.

### Technical & Specifications

Typical Product Output	15 - 25 per min
Fill Volume Range (Or Ranges)	50 ml - 1000 ml
Machine Height	2032 mm
Machine Width	1310 mm
Machine Weight	295 kg
Standard Electrical Supply	3 phase 400V, 50 Hz + Neutral
Compress Air Consumption	7.5L at 6 bar
Maximum Bottle Diameter	110 mm (outer diameter)
Maximum Bottle Height	200 mm
Maximum Cap Diameter	85 mm



## FILLING

### Response Automation Base

High-speed automated liquid filling system designed for maximum flexibility, fast changeovers and exceptional filling accuracy.

#### Fast, Efficient & Scalable

The Response Automation Base delivers up to 40 containers per minute with single head Response or 60 containers a minute with twin head Response, significantly boosting production output while maintaining exceptional accuracy of  $\pm 0.25\%$  to reduce waste and increase profitability.

#### Quick-Strip Design

Designed for rapid disassembly easily converts from a fully automatic 4-head filling machine into up to four Benchtop Fillers within just 30 minutes, minimising downtime between production runs.

#### Clean, Consistent Fills

Features pneumatic cut-off nozzles to eliminate dripping and maintain a clean, accurate fill.

#### Versatile Fill Range

Handles fill volumes from 5 ml to 1000 ml, ideal for bottles, jars and screw-top vials. Across a wide variety of product types, from thin liquids to viscous creams and gels.

#### Hygienic, Robust Design

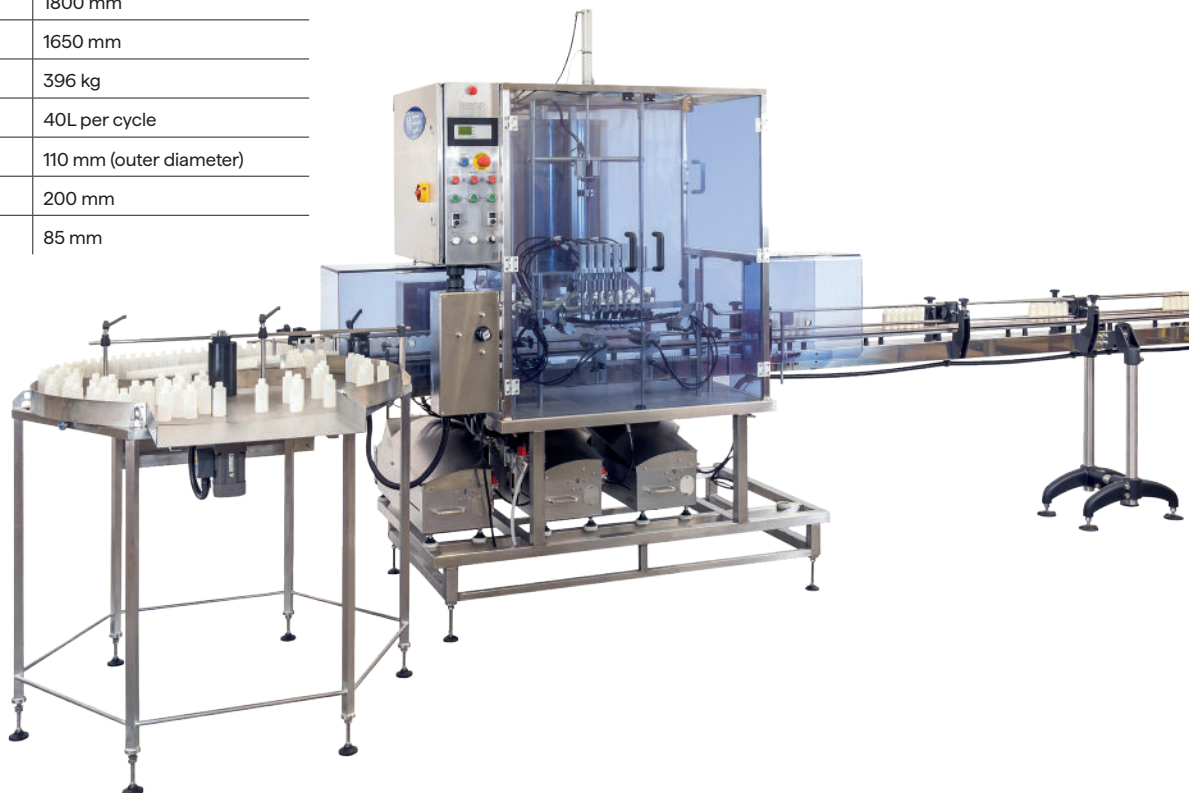
Product contact parts are made from 316L stainless steel, FKM (Viton) and PTFE, ensuring compliance with FDA. Hose connections can be supplied in food grade PVC or silicone.

#### Modular Multi-Head System

Incorporates up to four Response Benchtop Fillers, each of which can be independently removed and operated as a standalone unit, giving your production unmatched flexibility and resilience.

#### Technical & Specifications

Typical Product Output	Dependent on variables
Fill Volume Range (Or Ranges)	5 ml - 1000 ml
Machine Height without hopper	1800 mm
Machine Width	1650 mm
Machine Weight	396 kg
Compress Air Consumption	40L per cycle
Maximum Bottle Diameter	110 mm (outer diameter)
Maximum Bottle Height	200 mm
Maximum Cap Diameter	85 mm



## Response Heated Benchtop Filler

A versatile benchtop filling solution with an integrated heated hopper, designed for products that must be filled warm to maintain flow, consistency and accuracy.

### Designed for Warm & Temperature-Sensitive Products

This system is specifically engineered for warm-fill and temperature-sensitive applications, featuring an integrated heated hopper that maintains consistent product temperature in the hopper.

### Fast, Precise & Versatile

Deliver consistent, repeatable fills at high accuracy, helping reduce product waste and improve process efficiency across small-batch and laboratory production environments.

### Wide Filling Range

The Response Benchtop Filler can be supplied with four standard interchangeable pump sets covering different dose ranges, allowing accurate filling across a broad volume range to suit different container sizes and product types. Pump cylinders feature an electropolished finish for improved hygiene and cleanability.

50 litre heater  
hopper



### Technical & Specifications

MODEL	SINGLE HEAD	TWIN HEAD
Typical Product Output	Up to 40 per minute	Up to 60 per minute
Fill Volume Range	5 ml – 1000 ml	5 ml – 100 ml
Machine Height Without Hopper	340 mm	
Machine Width	343 mm	
Machine Weight	41 kg	44 kg
Compress Air Consumption	5L at 6 bar	

## FILLING

### Response Benchtop Tube Filler

High-accuracy, hygienic benchtop tube filling machine for creams, gels and pastes, designed to minimise waste and maximise productivity in small-batch production.

#### Accurate & Efficient Filling

The Response Benchtop Tube Filler delivers consistent, repeatable filling performance with high accuracy, helping to reduce product waste and improve yield in laboratory and small-scale production environments.

#### Compact & Practical Design

Designed for benchtop operation, this tube filling machine is ideal for laboratories and small-batch production areas where space is limited but precision and reliability are essential.

#### Quick-Strip for Fast Cleaning

The machine can be fully disassembled and cleaned in as little as three minutes, minimising downtime between batches and supporting high hygiene standards.

#### Versatile Tube Filling Capability

Suitable for filling creams, gels, ointments and thick pastes across a wide range of viscosities. Interchangeable nozzle options allow the machine to be configured for different product types and tube formats.

#### Flexible Nozzle & Filling Options

Liquid and semi-viscous products can be filled into tubes positioned vertically using either a curved nozzle or a cut-off nozzle. Positioning locators ensure accurate and repeatable tube alignment for every fill - can be supplied to suit the tube samples. Thicker ointments can be back-filled into aluminium tubes using a straight, close-fitting nozzle to maintain fill quality and consistency.

#### Hygienic, Pharmaceutical-Grade Construction

All product contact parts are manufactured from 316L stainless steel and virgin PTFE, with FDA-compliant materials used throughout. Standard seals are FKM (Viton), with alternative options including EPDM, silicone and FFKM available to suit specific product or cleaning requirements.

#### Customisable Output & Safety Options

Available with one or two filling heads to suit different production requirements. An ATEX-compliant version is available for the safe filling of flammable products or those that may generate explosive vapours.



#### Technical & Specifications

MODEL	SINGLE HEAD	DOUBLE HEAD
Typical Product Output	Up to 16 per minute	Up to 20 per minute
Fill Volume Range	5 ml - 500 ml	5 ml - 100 ml
Machine Height without hopper	340 mm	
Machine Width	343 mm	
Machine Weight	41 kg	44 kg
Compress Air Consumption	5L at 6 bar	



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ALL ABOUT FLUIDS



963 650 127

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[www.quilinox.com](http://www.quilinox.com)



From manual units to fully automated lines, our capping and closing systems deliver fast, accurate and consistent performance across all production volumes.



# Capping & CLOSING

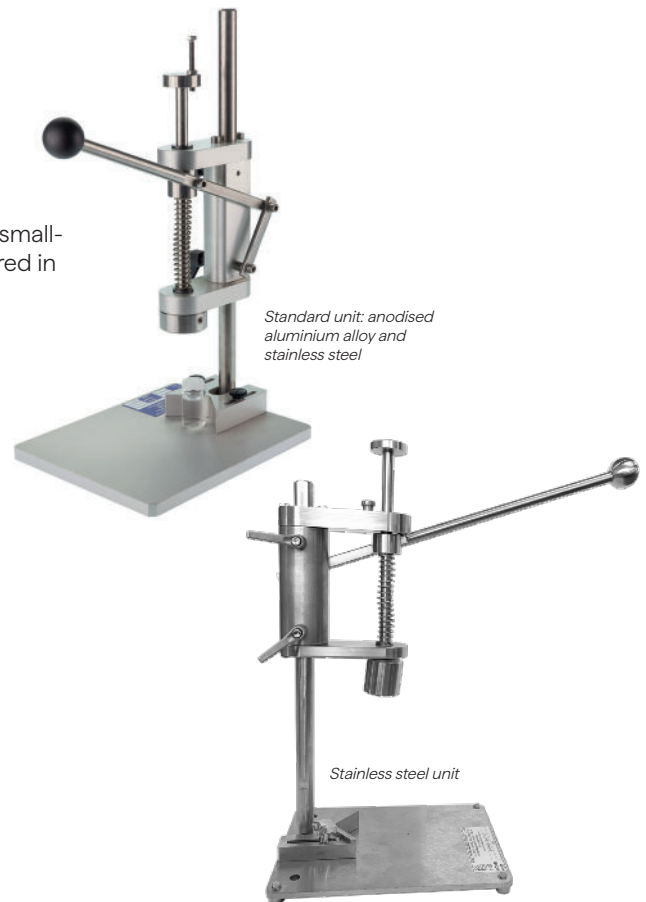
## Manual Bottle Cap Press

**Description: MANUAL CAP PRESS**  
**Item Code: SP013-01**

Quick, efficient and adaptable manual capping solution for bottles, ideal for small-scale and flexible production environments. The standard unit is manufactured in anodised aluminium alloy and stainless steel.

- Manual, efficient bottle capping
- Adaptable for press-on caps and containers
- Standard press pad is 50 mm diameter flat faced, Interchangeable press pads can be supplied to suit shaped caps
- Adjustable design for different bottle sizes
- Compact, durable benchtop construction
- Simple, operator-friendly use

Technical & Specifications	
Typical Product Output per Hour	1000 per hour
Machine Height	Max. 585 mm depending on height setting
Base Plate Width	200 mm
Base Plate Hephth	250 mm
Machine Weight	10 kg
Cap Range	Pressed on caps
Bottle Size	21 mm – 85 mm diameter, up to 240 mm high
Operation	Manually operated with 3:1 mechanical advantage



## Pneumatic Cap Press

Quick, efficient and adaptable pneumatic capping machine for precise, repeatable pressing of caps onto containers. The Pneumatic Cap Press provides a simple, reliable solution for pressing press-on lids and caps onto containers using controlled pneumatic force.

Powered by compressed air, it delivers consistent, repeatable capping force results with minimal operator effort, making it ideal for applications where accuracy and uniformity are critical.

- Efficient output for small to medium production
- Adaptable for a wide range of containers
- Integrated safety controls in double hand safety switch
- Interchangeable and custom press pads
- Durable, hygienic benchtop construction
- Capping force is controlled by integrated pressure regulator

Technical & Specifications	
Machine Weight	15 kg
Maximum Bottle Height	320 mm
Overall Dimensions	350 x 350 x 700 mm
Press Force	up to 40 kg



## CAPPING & CLOSING

### Pneumatic Bottle Capping Machine

**Description: PNEUMATIC CAPPING MACHINE**  
**Item Code: 8201000**

Quick, efficient and adaptable screw capping machine with precision torque control, ideal for consistent and professional screw cap tightening on bottles and jars.

#### Technical & Specifications

Typical Product Output	Up to 500 per hour
Machine Height	700 mm
Machine Width	500 mm
Machine Length	500 mm
Machine Weight	15 kg
Compressed Air Supply Pressure	6 Bar (10 Bar Maximum)
Compressed Air Working Pressure	6 Bar
Compress Air Consumption	15 to 20 LT per Minute Free Air
ATEX Zone Qualification	NOT QUALIFIED
Maximum Bottle Height	320 mm
Cap Type	Screw Cap



- Fast and reliable screw capping
- Torque control by adjustable slip clutch
- Pneumatic container clamping
- Compact, portable and robust design
- Adaptable for different products

### ROPP Capping Machine

**Description: ROPP CAPPING MACHINE**  
**Item Code: 8203000**

Quick, efficient and adaptable ROPP capping machine designed for precise, tamper-evident sealing of aluminium Roll-On Pilfer Proof caps.

#### Technical & Specifications

Machine Height	1000 mm
Machine Width	500 mm
Machine Length	500 mm
Machine Weight	40 kg
Standard Electrical Supply	230VAC 50 Hz
Cap Type	Aluminium ROPP (Roll-On Pilfer Proof)
Material	Stainless steel and aluminium alloy construction
Bottle Height Range	20 – 360 mm
Bottle Diameter Range	5 – 200 mm
Cap Diameter Range	15 – 50 mm
Max. Head Loading Pressure	60 KgF



- Professional roll-on pilfer proof capping
- Efficient, flexible benchtop operation
- Wide bottle and cap compatibility
- Durable, hygienic construction
- Safety-focused design
- High-force capping option available

## Benchtop Screw Capper

**Description: BENCHTOP SCREW CAPPER**  
**Item Code: 8202000**

Quick, efficient and adaptable screw capping machine with precision torque control, ideal for consistent and professional screw cap tightening on bottles and jars. Interchangeable capping heads can be supplied for either top press capping, shaped tooling to suit caps or 3 jaw – cap and bottle samples are required for manufacturing.



### Technical & Specifications

Typical Product Output	Up to 500 per hour
Machine Height	1000 mm
Machine Width	500 mm
Machine Length	500 mm
Machine Weight	40 kg
Standard Electrical Supply	230VAC 50 Hz Single Phase
Typical Power Consumption	250 Watts
Compressed Air Supply Pressure	6 Bar (Max. 10 Bar)
Compressed Air Working Pressure	5 Bar
Compress Air Consumption	3 Lt Free Air per Cycle

- Fast and reliable screw capping
- Torque control by adjustable slip clutch
- Pneumatic container clamping
- Compact, portable and robust design
- Adaptable for different products

## Bench Mounted Capping Station


Compact semi-automatic capping station for precise screw-cap application, ideal for laboratories and small-batch production lines.

- Accurate, fast and repeatable screw capping
- Torque control by adjustable slip clutch
- Interchangeable torque ranges by changing spring
- Integrated balancer to support tool weight
- Compact, bench-mounted footprint
- Flexible cap compatibility



### Technical & Specifications

Typical Product Output	Up to 16 per minute
Machine Height	1100 mm
Machine Width	140 mm
Machine Depth	220 mm
Standard Electrical Supply	100 to 240 VAC 50/670 Hz
Typical Power Consumption	60 watts
Torque Operating Ranges	0.4-1.6 Nm 1-3 Nm



If your requirements stretch beyond the abilities of manual or semi-automatic equipment, Adelphi is able to supply fully automatic tube processing machinery.

Vial, Ampoule, Syringe & Tube  
**PROCESSING**

## Powered Vial Crimper

**Description: POWERED VIAL CRIMPER**  
**Item Code: 6030500**

High-precision pneumatic vial crimping and de-capping system for consistent pharmaceutical sealing, delivering reduced operator effort, faster workflows and GMP-ready performance.

- Compatible with industry-standard vial closures
- Common pharmaceutical seal sizes
- Interchangeable crimping and de-capping heads
- Precision crimping with adjustable force
- Flexible operation modes – handheld and bench-mounted
- Designed for most regulated environments



### Technical & Specifications

Length	370 mm
Width	230 mm
Height	420 mm
Weight	Operational: 9.85 kg, Shipping: 10.40 kg
Air	at 4 bar

**Description: BENCH STAND**  
**Item Code: 6030501S**

**Description: FOOT PEDAL**  
**Item Code: 6030502**

Heads apply to  
**Powered Vial Crimper, Manual Vial Crimper, and Manual Vial Crimper MKII.**

Item Codes	Crimper Heads
6030503	13 mm crimping head for plain seals
6030504	13 mm crimping head for flip-off seals
6030505	20 mm crimping head for plain seals
6030506	20 mm crimping head for flip-off seals
6030507	13 mm decapping head for plain seals
6030508	13 mm decapping head for flip-off seals
6030509	20 mm decapping head for plain seals
6030510	20 mm decapping head for flip-off seals
6030514	20 mm crimping head for flip tear-up seals

*Note: other head sizes are available. Please ask for further details.*

## Manual Vial Crimper

**Description: MANUAL VIAL CRIMPER WITH STAND**  
**Item Code: 6030555-1**

High-precision manual vial crimping and de-capping tool for secure pharmaceutical closures, delivering reliable and repeatable results for laboratories and small-batch production.

The Manual Vial Crimper is designed for precise, repeatable sealing of aluminium vial crimps in laboratory and pharmaceutical environments. It delivers consistent crimp quality to support vial integrity, sterility and tamper evidence in regulated applications.

- Interchangeable crimping and de-capping heads
- Compatible with major vial seal types
- Suitable for 13 mm and 20 mm vial seals
- Professional, consistent crimp quality
- Integrated de-capping capability
- Adjustable stops for repeatability
- Simple, intuitive operation
- Ergonomic, height-adjustable design



### Technical & Specifications

Length	305 mm
Width	254 mm
Height	457 mm
Weight	Operational: 9.5 kg

## PROCESSING

# Manual Vial Crimper MKII

**Description: Manual Vial Crimper MKII**  
**Item Code: 6030400 – vial height max. 130mm**  
**Item Code: 6030450 – vial height max. 228mm**

Professional manual vial crimping with integrated pre-crimp seal force for consistent, compliant closure quality. Fast setup, repeatable performance and operator-friendly control.

- Integrated pre crimp seal force
- Wide sealing range
- Dual adjustment setup for repeatability
- Custom vial guide system
- Durable & hygienic construction



### Technical & Specifications

Typical Product Output per Minute	Approx. 6-10
Operation Mechanism	Manual operation by single lever
Aluminium Crimp Seal Sizes	13 mm, 20 mm and 32 mm
Aluminium Crimp Seal Types	Plain seals Flip-top / flip-off seals Flip tear-off seals
Change Parts Available	Crimp Heads De-Capping Heads Spring loaded bottle supports

## Crimping and Decapping Tongs



### Hand Crimping Tong

Hand-operated precision crimping tong for pharmaceutical-grade vial sealing, delivering reliable and repeatable results for laboratory and small-batch use.

Item Codes	Size*
6030613	13 mm plain seals
6030614	13 mm flip-off seals
6030620	20 mm plain seals
6030621	20 mm flip-off seals
6030622	20 mm flip tear-up seals



### Hand De-Capping Tong

Manual de-capping tong for removal of flip-off and flip tear-up vial seals, designed for controlled, two-stage de-capping.

Item Codes	Size*
6030722	13 mm seals
6030721	20 mm seals



### Hand De-Capping Pliers

Hand-operated de-capping pliers for safe and controlled removal of aluminium vial crimps in laboratory and pharmaceutical environments.

Item Codes	Size*
6030713	13 mm seals
6030720	20 mm seals

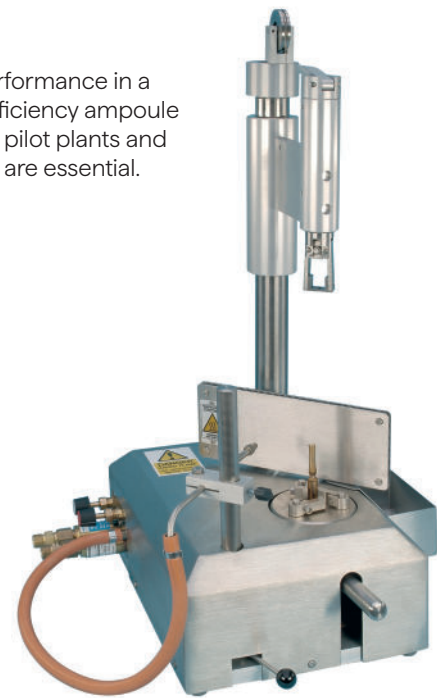
\* Other sizes available upon request.

## OC Ampoule Opener & Sealer

**Description: OC AMPOULE PROCESSING MACHINE**  
**Item Code: 6035002**

Professional-quality ampoule opening and sealing, delivering automatic machine performance in a compact, efficient benchtop unit. The OC Ampoule Opener & Sealer delivers high-efficiency ampoule processing, sealing up to 600 ampoules per hour. This makes it ideal for laboratories, pilot plants and small-scale pharmaceutical production environments where speed and consistency are essential.

- Precision opening and sealing
- Optimised for closed-type ampoules
- Versatile ampoule handling
- Safe, operator-focused design
- Flexible utilities for global use



### Technical & Specifications

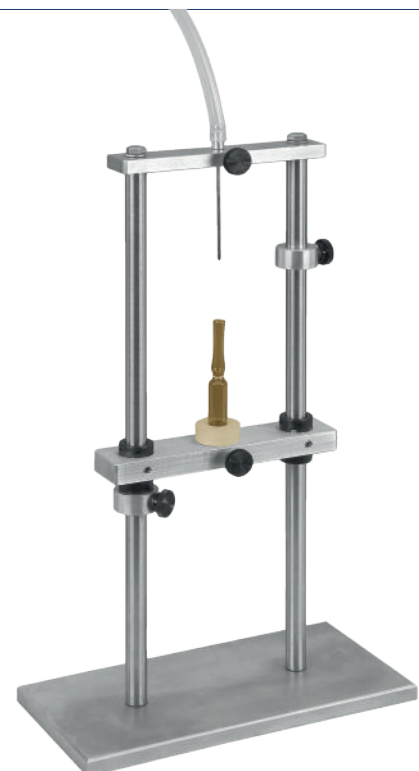
Typical Product Output	Up to 600 per hour
Machine Height	660 mm
Machine Width	400 mm
Machine Length	380 mm
Machine Weight	22 kg
Standard Electrical Supply	100 to 240 VAC, 50/60 Hz, 200 W
Ampoule Size	1-50 mm open or closed type
Gas	Natural gas or propane at 0.5 bar
Oxygen	Standard commercial supply at 1 bar

## Ampoule Filling Jig

**Description: FILLING JIG**  
**Item Code: 3510090**

The Ampoule Filling Jig enables precise, hygienic filling by allowing the ampoule to be accurately lifted to position the needle within the ampoule, without internal contact to the glass. This prevents product wetting on the glass sealing area and eliminates the risk of glass scraping or contamination, ensuring a clean, professional fill every time.

- Compatible with multiple fillers
- Precision filling needle design
- Simple, intuitive operation
- Durable, hygienic construction
- Compact, space-saving design



### Technical & Specifications

Machine Weight	2.8 kg
Overall Size	210 × 105 × 345 mm

## PROCESSING

# Twin Jet Ampoule Sealer

**Description: TWIN-JET AMPOULE SEALER**  
**Item Code: 6002100**

Manual twin-jet ampoule sealing solution for controlled, small-batch pharmaceutical and laboratory applications.

- Controlled manual ampoule sealing
- Suitable for small-batch applications
- Compatible ampoule range
- Manual, operator-controlled process
- Flexible utility requirements



### Technical & Specifications

Typical Product Output	120 per hour
Machine Height	280 mm
Machine Width	210 mm
Machine Length	125 mm
Machine Weight	Nett: 1.86 (excl. air compressor), Gross: 2.4 kg
Standard Electrical Supply	240V AC, 50 Hz, (120V optional) to power air compressor (if required)
Carton Size	35 x 31 x 17 cm
Ampoule Size	1 - 50 ml
Gas	Natural gas supply or bottled butane or propane gas at 0.5 bar
Air	Compressed air at 1 bar (optional compressor supplied)



**Description: AIR PUMP**  
**Item Code: 6002119**  
 Air pump for use when you don't have a compressed air supply



**Description: PRESSURE REGULATOR/GAUGE**  
**Item Code: 6002110**  
 For use when you have a compressed air supply

# Manual Syringe Stopper Press

**Description: MANUAL SYRINGE STOPPER PRESS**  
**Item Code: SP048-3001**

Effortless manual syringe stoppering for small-batch aseptic production, delivering precise air removal, pharmaceutical-grade construction and a compact benchtop design. The Manual Syringe Stopper Press is designed for controlled stoppering of pre-filled syringes in laboratory and small-batch pharmaceutical environments. Its lever-operated mechanism provides consistent, repeatable stopper insertion while maintaining operator control.

### Technical & Specifications

Typical Product Output	4-6 per minute
Machine Height Small Press and Large Press	At max. height setting 760 mm depending on syringe and filled volume
Machine Width	240 mm
Machine Depth	240 mm base plate (Approx. 300 mm to end of press handle)
Standard change parts normally on short lead time - change parts for other syringe formats can be supplied, subject to receipt of samples	Glass syringe 6.35 mm bore Glass syringe 8.6 mm bore Glass syringe 11.8 mm bore Glass 3 ml cartridge 9.7 mm bore



Can be supplied in a **larger format** that can **process flanged 50ml syringes.**



## Vesta 1C Plastic/Laminate Tube Sealer

**Description: VESTA 1C TUBE SEALER**  
**Item Code: 3140001**

Compact benchtop tube sealing machine for plastic and laminate tubes, delivering clean, professional seals with integrated batch coding capability. It accommodates tube diameters from 10 – 50 mm and tube heights up to 240 mm, providing flexibility across a wide range of product formats.

### Technical & Specifications

Typical Product Output	Up to 4 tubes per min
Tube Materials That Can Be Sealed	Plastic tubes, Laminate tubes
Machine Height	625 mm
Machine Base Width	338 mm
Machine Depth	346 mm
Machine Weight	31 kg
Standard Electrical Supply	Single Phase 220/240VAC 50/60 Hz
Optional Electrical Supply	Single Phase 120VAC 50/60 Hz
Typical Power Consumption	500 Watts
Compressed Air Supply Pressure	6 to 10 Bar
Compressed Air Working Pressure	6 Bar (0.6MPa)
Compress Air Consumption	2 Litre Free Air Per Cycle
Tube Seal Range Diameter	10 – 50 mm
Number of Code Digits	8 Digits
Electronics	Programable Logic Controller



**Description: PAIR OF BESPOKE TUBE CUPS FOR EACH TUBE SIZE**  
**Item Code: 31406\*\***

**Description: SET OF NUMERALS 0 – 9 (L-SHAPED)**  
**Item Code: 3140601**

**Description: LETTERS AND NUMBERS (L-SHAPED)**  
**Item Code: 3140601-A-Z**

## Centrac® FCC Metal Tube Closer

**Description: CENTRAC FCC TUBE CLOSER**  
**Item Code: 3101000**

Professional, reliable and efficient closing for metal tubes, delivering a consistently high-quality finish.

- Controlled manual tube closing
- Suitable for medium-volume production
- Compact, robust construction
- Safe and user-friendly operation
- Ergonomic, adjustable design
- Professional-quality tube closure
- Integrated batch coding as standard

**Description: NUMERALS 0-9 FOR CODING JAWS**  
**Item Code: 3110000**

**Description: LETTERS A-Z FOR CODING JAWS**  
**Item Code: 3111001-26**



### Technical & Specifications

Typical Product Output	Up to 10 per minute
Machine Height	270 mm
Machine Width at Base	150 mm
Machine Width Maximum	320 mm
Machine Depth	Approx. 265 mm depending on set position
Machine Weight	11.6 kg
Tube Diameters	From 10 mm – 40 mm

## PROCESSING

# Tube Crimping Tongs

**Description: TUBE CLOSING PLIERS**  
**Item Code: 4001100**

Hand-operated metal tube crimping tongs for clean, professional tube closures. Ideal for small-batch filling and craft production. The Tube Crimping Tongs provide a simple and reliable solution for sealing collapsible aluminium tubes, delivering a neat, professional finish suitable for pharmaceutical, cosmetic, craft and laboratory applications.

- Defined fold method
- Comfortable, hand-operated design
- Compact and lightweight
- Suitable for a range of tube sizes
- Manual output capability



### Technical & Specifications

Typical Product Output	Up to 10 per minute
Tube Diameter Range	From 12 mm – 40 mm
Weight	300 gm



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MANUFACTURING

PROCESSING



Quick, efficient and thorough  
washing for bottles, vials,  
syringes and test tubes.

# Equipment WASHERS

## Bottle / Vial / Syringe / Test Tube Washer

### Quick, Efficient & Thorough Cleaning

The Bottle, Vial, Syringe & Test Tube Washer uses powerful, targeted water jets to ensure the internal surfaces of containers are thoroughly cleaned. This delivers consistent washing performance and supports high hygiene standards in laboratory and pharmaceutical environments.

### Versatile for Multiple Container Types

Designed for maximum flexibility, the washer accommodates a wide range of containers including bottles, vials, syringes and test tubes. It is well suited to laboratories, pharmaceutical production areas and research facilities handling varied container formats.

### Sink-Mounted, Simple Operation

The washer is typically placed directly into a sink and connected to a standard tap or potable water supply using the supplied hose. Wastewater drains away through the sink, and the unit can be easily removed when the sink is required for other tasks, offering excellent day-to-day flexibility.

### High Throughput Performance

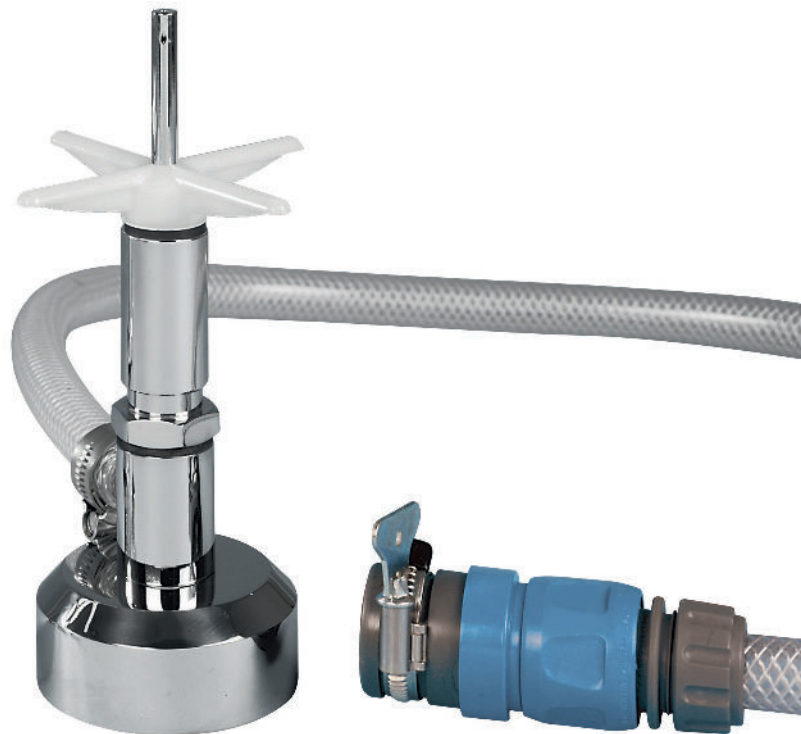
Capable of cleaning up to 900 containers per hour, the washer supports fast, efficient workflows without compromising cleaning effectiveness, making it ideal for busy laboratory and small-scale production environments.

### Adaptable & Portable Setup

The tap-connected design allows the washer to be used wherever a suitable sink and potable water supply are available. Its compact, portable format makes it easy to reposition as required within the workspace.

### Interchangeable Nozzle System

Quick-change nozzles allow fast changeover between different container types and neck sizes, providing excellent adaptability for varied cleaning tasks and production runs.



**Description: MODEL 2 BOTTLE WASHER WITH STANDARD NOZZLE (STAND ALONE)**

**Item Code: 6025000**

**Description: SYRINGE BARREL AND TEST TUBE NOZZLE**

**Item Code: 6025201**

**Description: SPRINKLER NOZZLE FOR VERY SMALL VIALS**

**Item Code: 6025202**

**Description: VIAL NOZZLE**

**Item Code: 6025203**

**Description: STANDARD FOUR ARM DISTRIBUTOR (SPARE)**

**Item Code: 6025204**

**Description: STANDARD NOZZLE (SPARE)**

**Item Code: 6025207**

### Technical & Specifications

Materials

Polish chrome plated brass  
 Base – 303 stainless steel



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# Industries We Serve

## Chemical & Agrochemical

In the chemical and agrochemical industries, safety, reliability and efficiency are essential. From highly reactive chemicals to agrochemical formulations, manufacturers need equipment that ensures product integrity, maintains hygiene and meets strict regulatory and safety standards.

## Food & Beverage

In the food and beverage industry, safety, hygiene, and efficiency are key to delivering high-quality products that meet regulatory standards. From small-scale artisanal batches to large-volume production, manufacturers need equipment they can rely on for consistent performance, minimal downtime and full compliance with FDA and GMP standards.

## Pharmaceutical

In the pharmaceutical, research and laboratory sectors, precision, hygiene and reliability are essential to success. From small-scale R&D to full-scale production, manufacturers and scientists need equipment they can trust to deliver consistent product quality, meet strict GMP standards and maintain full regulatory compliance.

## CMOs & CDMOs

Contract Manufacturing Organisations (CMOs) and Contract Development and Manufacturing Organisations (CDMOs) operate in highly competitive, fast-paced industries where precision and efficiency are critical. Manufacturers need machinery that supports high-quality output, scalable production and compliance with regulatory standards.

## Household Products

In the household products sector, reliability, durability and safety are essential. From cleaning chemicals to other liquid household products, including corrosive formulations, manufacturers need equipment they can trust to deliver consistent quality while protecting both product integrity and production staff.

## University Hospitals

University hospitals operate in highly regulated, high-stakes environments where precision, safety and reliability are critical. From research laboratories to clinical production areas, hospitals need equipment that ensures accurate dosing, sterile processing and compliance with stringent healthcare standards.

## Cosmetics & Personal Care

In the cosmetics, toiletries and personal care industry, precision, hygiene and efficiency are essential. From high-value beauty products to everyday personal care items, manufacturers need equipment that ensures consistent quality, reduces waste and meets strict hygiene standards.

## Lubricant & Oil

In the lubricants industry, precision, reliability and efficiency are crucial. From engine oils and fuel additives to transmission fluids and mineral oils, manufacturers need equipment that ensures accurate filling, consistent quality and long-term operational reliability.

## Veterinary & Animal Products

In the veterinary and animal products industry, precision, reliability and compliance are critical. From research and development to full-scale production, manufacturers and animal health specialists need equipment they can trust to deliver consistent quality, maintain hygiene standards and comply with strict industry regulations.





# ADELPHI MANUFACTURING



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