



ADELPHI
MANUFACTURING



ADELPHI
PHARMA HYGIENE PRODUCTS

Veterinary & Animal Care Industry

Machinery & Equipment Product Guide
and Case Studies



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PHARMA HYGIENE PRODUCTS

A personal approach, on a global scale



Established in 1947 as a manufacturer of simple bottle washing and filling equipment for the pharmaceutical industry, the Adelphi Group of Companies has grown organically and also through strategic acquisitions, to become an industry-leading global business, exporting equipment to over 110 countries around the world.

ISO 9001:2015 certification guarantees the quality of our processes and procedures, and our award-winning team manufacture a portfolio of specialist equipment for the Veterinary & Animal Care industry, which meets GMP requirements as well as international pharma-quality standards.

This Product Guide demonstrates our hygienic, high quality solutions for companies manufacturing, filling and distributing oils, creams, serums, pet shampoos, foods and more. Manufactured from contaminant-free materials to meet strict compliance regulations, a comprehensive range of compliance certification is available to confirm the grade of material, to prove surface smoothness, and to guarantee that no cross-contamination from BSE or CJD diseases occurs.

The Adelphi Group of Companies shares many values with our customers in the Veterinary & Animal Care industry; notably a keen focus on quality, safety and consistency. As a global company, we always strive to play our part in addressing societal and sustainability concerns, and we are committed to ensuring that our operations will always remain true to these values we share with our customers.

Chris Wilson
Managing Director, Adelphi Group of Companies



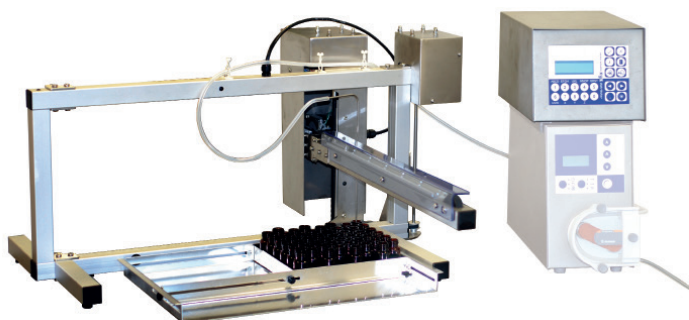


SMALL BATCH PRODUCTION



XYZ Distributor

The XYZ Distributor is designed to be used in conjunction with the Accuramatic Peristaltic Dispenser, and enables small containers to be filled automatically in trays. The Z axis is the diving nozzle movement that allows your products to be automatically filled from above the neck or into the neck.



Item code	Specification
3525000	XYZ DISTRIBUTOR
Electricity (selectable)	240V AC, 50/60 Hz, 500W (120V optional)
Movement space (mm)	X = 520, Y= 335, Z= 155
Electronics	Mircoprocessor
Weight (kg)	Control: 4.5. XYZ: 9.0
Distributor dimensions (mm)	790 x 625 x 390
Control dimensions (mm)	200 x 280 x 180
Drip delay	0.0 – 0.9 secs
Max vial height (mm)	200
Min neck opening (mm)	8
Tray fill area (mm)	410 x 265

Features:

- Control box remote from moving nozzle frame suitable for use in laminar flow cabinet
- Adjustable trays are supplied so that bottles are held in an orderly fashion
- Setting up is easy using the menu-driven LCD displays
- Special trays can be made to suit odd shaped bottles
- Fills straight rows or honeycombed configurations

**Read the Case Study of customer
Sinclair Animal Health (Beaphar) on page 9.**

Accuramatic Peristaltic Dispensing Unit

This unit can be operated by hand, foot switch, or will cycle automatically with a delay of up to 10 seconds between fills. The pump runs at a constant speed for a precisely determined period of up to 100 seconds, can run forwards or backwards, and has a choice of three filling modes: Braked stop – Soft stop – Stop with suck back.



Like all peristaltic pumps the liquid only comes into contact with the inside of one uninterrupted length of silicone tubing which will withstand repeated sterilisation. Bacteriological inline filtration can be performed at the outlet side of the pump. This Peristaltic Dispenser can be combined with our XYZ Distributor to offer quick, easy, and hygienic filling of whole trays of your bottles automatically.

Item code	Specification
3510000	PERISTALTIC DISPENSER
Volumes (ml)	1 to 1,000
Repeatability	± 0.5%
Max flow rate (ml)	36 ml/sec (standard pump. Twin pump option available)
Electricity	240V AC, 50 Hz, 50W (120V optional)
Weight (kg)	Nett 8.5, Gross 10.5
Carton size (cm)	44 x 23 x 43

SEMI-AUTOMATIC FILLING

Response Benchtop Filler

Our Response range of filling machinery was developed in response to our customers' requests, hence the name!

Designed to meet pharmaceutical standards, all Response machines are versatile, hygienic and easy to use. Their stylish exteriors conceal well-engineered and robust filling systems.

The highly regarded Response Benchtop Filler is a semi-automatic filling machine, available in single or twin-head configurations, with a comprehensive range of nozzles, hoppers and other accessories available to meet your individual requirements. This pneumatically driven filler is perfect for filling oils, creams, serums, pet shampoos, foods and more, thanks to its versatile filling head design.

The Response Benchtop Filler is ideally suited to those wanting to start automating a previously manual filling process, and those that don't currently require the output levels offered by a fully automated solution. However, once production demands increase, Response Benchtop filling units can be up-scaled, by mounting the original filler onto a Response Monobloc or a Response Automation System, to create an extremely flexible fully automatic filling machine.



Read the Case Study of a UK Specials Manufacturing customer on page 9.



	Specification (single head)
Accuracy	±0.25%
Output	Up to 40 per minute (dependent on fill volume)
Height without hopper / tank	340 mm
Depth	840 mm
Width without conveyor	343 mm
Weight	41 kg
Air consumption per cycle	5 litres at 6 bar
Volume range	5 ml – 1 litre



AUTOMATIC FILLING

Response Monobloc 250 Filler/Capper

Adelphi's Response Monobloc Filler provides many advantages for Veterinary & Animal Care manufacturers compared with traditional inline packaging systems.

Key Features and Benefits:

- Capable of filling 5ml to 250ml containers
- Space-saving design
- Ten-minute strip down time
- Hygienic stainless steel construction; all wetted parts are 316L stainless steel
- Response volumetric filler fill-accuracy +/- 0.25%
- Quick and easy to change parts from one fill-size container to another
- Easy-to-use intuitive HMI touch screen controls for your operator
- Designed to effectively handle liquids, oils, creams, pastes and solids in suspension
- Speed of operation in the region of 35 per minute
- Reduced labour costs



The Response Monobloc Filler can incorporate the following elements to give a complete turnkey packaging line:

- In-feed table
- Bottle blower
- Filler
- Automatic cap placement
- Capper
- Labeller
- Collection table

	Specification
Accuracy	±0.25%
Output (per minute)	30 - 35
Height without hopper / tank	2032 mm
Depth	810 mm
Width without conveyor	1120 mm
Weight (approx)	275 kg (plus Response base unit and hopper)
Air consumption per cycle	7.5 litres at 6 bar
Volume range	5 ml - 250ml
Electrical consumption	Single phase 240VAC, 13A supply
Maximum bottle diameter	85 mm (outer diameter)
Maximum bottle height	250 mm
Maximum cap diameter	45 mm



Suitable container dimensions:

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

We also offer the Monobloc Filler/Capper in a '1000' specification, for containers up to 1L, with optional vacuum capping to reduce oil leakage from products.

Response Automation Base

	Specification
MODEL	AUTOMATION BASE
Accuracy	±0.25%
Output (per minute)	Dependent
Height without hopper / tank	1800 mm
Depth	1070 mm
Width without conveyor	1650 mm
Weight	396 kg + Responses
Air consumption per cycle	40 litres per cycle
Volume range	5 ml–1 litre

Key Features and Options:

- Variable speed conveyor with adjustable guides, rails, and delrin or stainless steel slats
- Logic controls for gating and sensing systems and up to four Response fillers
- Neck location system
- Pneumatic cut-off nozzles to ensure a clean fill with no dripping
- 'Rise while fill' or 'bottom up fill' of container, into neck or fixed nozzle fill system
- Fully interlocked guarding around operating area
- Frame mounted hopper or tank with up to four triclover outlets, manifold and heated jacket
- Other bespoke additions depending on your requirements



(Above) Automation Base with three Response units fitted; seen from the rear



Automation Base with three Response units fitted; operator's view from the front



Pharma Hygiene Products (part of the Adelphi Group of Companies) supply stainless steel process equipment to Veterinary & Animal Care industry manufacturers who need to obtain the optimum levels of hygiene with their production processes.

From storage to mixing and transportation, Pharma Hygiene Products' range is manufactured to the highest quality, and is designed to suit every stage of the production process.

Mixing and Storage Containers

Manufactured from 316L and 304 grade stainless steel, these containers can be supplied either plain or graduated, and come complete with side handles and skirtband. They have hygienic crevice and pit-free interiors, and are polished throughout. An optional lid is available for all sizes.

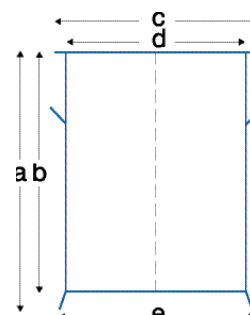
Integrated mixers can also be incorporated into the lids of these containers.



Item code	Capacity (litres)	a	b	c	d	e	Skirt	Handle	Grad.	Weight (kg)	Lid code	Lid weight (kg)
VES4020P	20	390	380	350	265	275	YES	SIDE	-	3.4	VEL4020P	0.6
VES*020G	20	390	380	350	265	275	YES	SIDE	5-20/5	3.4	VEL*020P	0.6
VES4025P	25	390	380	380	300	305	YES	SIDE	-	3.8	VEL4025P	0.8
VES*025G	25	390	380	380	300	305	YES	SIDE	5-25/5	3.8	VEL*025P	0.8
VES4030P	30	460	445	380	300	305	YES	SIDE	-	4.4	VEL4030P	0.8
VES*030G	30	460	445	380	300	305	YES	SIDE	5-30/5	4.4	VEL*030P	0.8
VES4050P	50	560	535	435	350	355	YES	SIDE	-	6.4	VEL4050P	1
VES*050G	50	560	535	435	350	355	YES	SIDE	5-50/5	6.4	VEL*050P	1
VES4075P	75	625	600	480	400	405	YES	SIDE	-	8.5	VEL4075P	1.3
VES*075G	75	625	600	480	400	405	YES	SIDE	5-75/5	8.5	VEL*075P	1.3
VES4100P	100	675	650	520	445	455	YES	SIDE	-	12	VEL4100P	1.6
VES*100G	100	675	650	520	445	455	YES	SIDE	10-100/10	12	VEL*100P	1.6
VES4150P	150	675	650	620	550	555	YES	SIDE	-	16	VEL4150P	2.3
VES*150G	150	675	650	620	550	555	YES	SIDE	10-150/10	16	VEL*150P	2.3
VES6240P	240	890	850	730	600	625	YES	SIDE	-	26	VEL6240S	3

- Notes:
1. Graduations: 5-20/5 = graduated from 5 litres to 20 litres in 5 litre intervals.
 2. In the data table, replace the * with 4 if 304 grade is required, or with 6 if 316L grade is required.
 3. Where no * occurs in the item code, material is 304 grade.

A number of optional modifications are available, please contact us for further details.





Mobile Frames for Containers

Manufactured from 304 stainless steel, Pharma Hygiene Products offer both a standard range of mobile frames on castors for containers 20 - 240L, as well as tilted mobile frames for decanting from your container. A single frame fits both our standard 75L and 150L vessels. The angle of tilt means that when decanting your products, the container can drain completely with no liquid pooling.



Standard mobile frames for 20L - 240L containers



Mobile frame with 75L container (left) and 150L container (right)



Cans with Lids

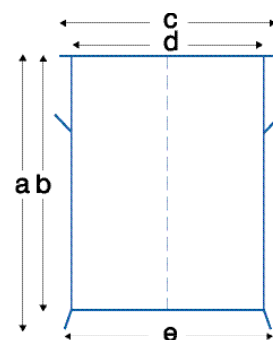
Manufactured from either 304 or 316L grade stainless steel, these cans come complete with lids and swing handles. They have hygienic crevice and pit-free interiors, and are polished throughout.

Note: in the data table below, replace * with a 4 if 304 grade is required, or with a 6 if 316L grade is required.

A number of optional modifications are available, please contact us for further details.



Item code	Capacity (litres)	a	b	c	d	e	Skirt	Handle	Weight (kg)
CWL*001P	1	155	150	125	100	N/A	NO	SWING	0.4
CWL*002P	2	175	170	160	130	N/A	NO	SWING	0.7
CWL*003P	3	185	180	185	155	N/A	NO	SWING	1
CWL*004P	4	200	185	186	170	173	YES	SWING	1.3
CWL*005P	5	240	230	205	175	180	YES	SWING	1.4
CWL*006P	6	280	270	205	175	180	YES	SWING	1.7
CWL*008P	8	285	270	235	200	205	YES	SWING	2
CWL*010P	10	295	280	250	220	225	YES	SWING	2.5





Buckets and Pails

(A) Buckets

Manufactured from 304 grade stainless steel with one size available in 316L stainless steel, these buckets are polished throughout, graduated in 1 litre intervals and come complete with swing handle. Skirtbands are standard as shown. Buckets without a skirtband are available to special order. Lids are available as an option.



A Buckets
B Heavy duty bucket

C Pails
D Buckets with spouts

Item code	Capacity (litres)	a	b	c	Skirt	Handle	Grad.	Weight (Kg)	Lid Code	Lid Weight (kg)
BUC4007P	7	240	160	250	No	Swing	N/A	1	BUL4007P	0.4
BUC4008G	8	285	200	200	No	Swing	1-8/1	1.05	BUL4008P	0.55
BUC4010G	10	295	175	270	YES	SWING	1-10/1	1.4	BUL4010P	0.4
BUC4012G	12	320	210	260	YES	SWING	2-12/1	1.6	BUL4012P	0.5
BUC6012G	12	320	210	260	YES	SWING	2-12/1	1.6	BUL4012P	0.5
BUC4015G	15	325	202	340	YES	SWING	2-15/1	1.8	BUL4015P	0.6

(B) Heavy Duty Bucket

Manufactured from 304 grade stainless steel, this bucket is designed for heavy duty applications. It comes complete with a skirtband and swing handle

and is graduated. The interior is crevice- and pit-free and it is polished throughout.

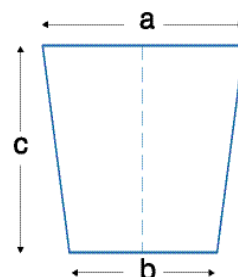
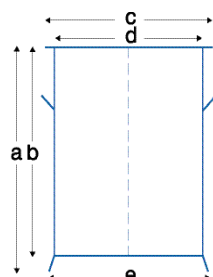
Item code	Capacity (litres)	a	b	c	d	e	Skirt	Handle	Grad.	Weight (kg)
BHD4015G	15	255	240	340	320	295	YES	SWING	2-15/1	2.7

(C) Pails

Manufactured from either 304 or 316L grade stainless steel, these pails come complete with a skirtband and swing handle. They have crevice- and pit-free

interiors and are polished throughout. Lids are available as an option.

Item code	Capacity (litres)	a	b	c	d	e	Skirt	Handle	Grad.	Weight (kg)	Lid code	Lid weight (kg)
PAI*010P	10	255	240	275	237	245	YES	SWING	N/A	2.1	PAL*010P	0.5
PAI*012P	12	283	273	275	237	245	YES	SWING	N/A	2.5	PAL*012P	0.5
PA*015P	15	285	275	305	267	275	YES	SWING	N/A	2.8	PAL*015P	0.6





(D) Buckets with Spouts

Manufactured from 304 grade stainless steel, these straight sided buckets are graduated, come complete with pouring spout, swing handle, bottom steadying handle, and skirtband. They have crevice-

and pit-free interiors and are polished throughout. Lids that are extended to cover the spout are available as an option.

Item code	Capacity (litres)	a	b	c	d	e	Skirt	Handle	Grad.	Weight (kg)	Lid code	Lid weight (kg)
BUS4010G	10	275	265	297	237	245	YES	SWING	1-10/0.5	2.3	BSL4010P	0.5
BUS4015G	15	308	295	320	267	272	YES	SWING	2-15/0.5	2.7	BSL4015P	0.6
BUS4020G	20	395	380	328	267	272	YES	SWING	2-20/1	3.4	BSL4020P	0.6

Note: In the data tables replace the * with 4 if 304 grade is required, or with 5 if 316L grade is required.

A number of optional modifications are available, please speak to a sales representative for further details.

Polypropylene Vessels

Pharma Hygiene Products can supply a range of mobile polypropylene vessels for products that cannot come into contact with stainless steel.

These vessels have welded seams and are supplied with drop on lids. An external stainless steel band can be added with two carrying handles to aid moving when empty. A mobile frame set on four castors (two braked) is an optional extra.

Propeller or high shear mixers can also be supplied, and the vessels are available in various sizes.

Please enquire for further information.



Paddle Stirrer

This paddle stirrer is formed in one piece and manufactured from 316L pharmaceutical grade stainless steel, ensuring the highest levels of hygiene when mixing CBD oils in a vessel.

Item code	a (mm)	b (mm)	c (mm)	Weight (kg)
PAD6200	1000	125	260	1.2
PAD6200-1300	1300	125	260	1.5





Integrated Mixers & Agitators

Pharma Hygiene Products can supply a wide variety of mixers and agitators, and mount them on our standard and custom vessels and containers to meet your specific requirements.

We offer high-shear mixers for mixing emulsions, propeller mixers for free dissolving powders, as well as general mixing, and slow agitators for keeping products suspended. All can be supplied in varying power and speed specifications.

Please enquire for further information.



We can add a Water Jacket to your mixing vessel, for heating, cooling or maintaining a consistent product temperature during the mixing process.

Mobile Mixers for Vessels & Containers

Manufactured from 304 grade stainless steel, with 316L grade contact parts, these mixers are designed for use with any open container of suitable dimensions.

Available with either high-shear mixing head (shown) for mixing emulsions, or a propeller mixing head for mixing free dissolving powders and for general mixing.

The mixing head is mounted on a mobile stand with painted hydraulic cylinder (manually operated), and the control panel is IP55 rated and constructed of stainless steel. Mixers can be specified with 3 phase or single phase power options.

Safety interlocks and a motor shroud are further options.



Item code	Model	Operating rpm
CSP-HM	Mobile high-shear mixer	2900
CSP-PM	Mobile propeller mixer	1400



A



B

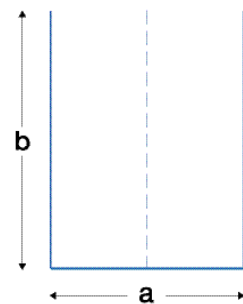


Measuring Jugs

Heavy Duty Measuring Jugs (A)

Manufactured from 304 and 316L grade stainless steel, these jugs are straight sided, graduated and come with a pouring spout and closed side handle. They have crevice- and pit-free interiors and are polished throughout.

Item code	Capacity (litres)	a	b	Handle	Graduation	Weight (gm)
JUM*0.5G	0.5	75	135	SIDE	0.1-0.5/0.1	285
JUM*001G	1	100	135	SIDE	0.2-1/0.2	475
JUM*002G	2	135	170	SIDE	0.2-2/0.2	690

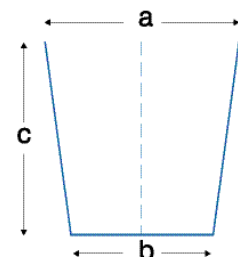


Note: In the table above replace the * with 4 if 304 grade is required, or with 6 if 316L grade is required.

Light Duty Measuring Jugs (B)

Manufactured from 304 grade, these jugs are tapered and come with either an open or closed handle. They are graduated in pints and litres, have crevice- and pit-free interiors and are polished throughout. The option of rimmed feet is available with the closed handle version from 0.5 litre upwards.

Item code	Capacity (litres)	a	b	c	Handle	Graduation	Weight (gm)
MEA40.1G	0.1	75	40	45	OPEN	0.05-0.1/0.05	40
MEA4.25G	0.25	100	50	70	OPEN	0.05-0.25/0.05	65
ME*40.5G	0.5	120	60	110	OPEN/CLOSED	0.05-0.5/0.1	120
ME*4001G	1	150	75	135	OPEN/CLOSED	0.1-1/0.1	200
ME*41.5G	1.5	155	85	150	OPEN/CLOSED	0.1-1.5/0.1	290
ME*4002G	2	170	85	200	OPEN/CLOSED	0.2-2/0.1	320



Note: In the table above replace the * with an A if an open handle is required, or with a C if a closed handle is required. For a rimmed foot, replace G with R.



30% Faster Filling using Adelphi Manufacturing's XYZ Distributor for Sinclair Animal Health (Beaphar)

The Challenge:

Sinclair Animal Health - part of Beaphar UK - have been an innovative creator of pet products for over 75 years. They approached Adelphi requiring a machine to fill smaller volume containers to maximise production efficiency for their products including anti-parasite medicines, dog toothpaste and pet behaviour spray.

The Solutions:

Adelphi were delighted to supply an Accuramatic and XYZ Distributor to meet Sinclair Animal Health's needs.

Wayne Le-Floch, Maintenance Manager at Sinclair Animal Health, recently spoke with Adelphi Manufacturing to discuss his investment in the XYZ Distributor, as well as Sinclair's existing Response Benchtop Filler.



“The XYZ has sped up the process by approx. 30%”

Expanding from 15 employees to over 500 during their lifetime, shows how demand for Sinclair Animal Health products has increased. The XYZ Distributor fills an average of 12-15 containers per minute; producing a potential 7,200 containers per 8 hour shift, to enable Sinclair Animal Health to meet their increasing requirements.

“We fill approximately 20 different types of containers”

The XYZ Distributor is a versatile filling machine designed to quickly adapt to fill multiple different products. For Sinclair Animal Health, the machine has been programmed to fill 15ml, 30ml and 50ml containers, with recipe recall at the push of a button, leaving operators free to assist with other production requirements.



Shared Values

Both Adelphi Manufacturing and Sinclair Animal Health began as family business in the 1940s, and understand the importance of long-standing customer relationships based upon communication and trust. As Wayne says, Adelphi Manufacturing “[make] the purchasing process very straight forward”. In 2019, Beaphar celebrated their 25-year UK anniversary, and Adelphi Manufacturing are proud to have contributed to their positive trajectory of growth.

Award-Winning Quality

A shared value for both organisations is product and service quality. Adelphi Group of Companies were named ‘Manufacturing Family Business of the Year’ – at the prestigious 2021 Family Business of the Year awards, while Beaphar merged their companies to win Manufacturer of the Year in 2009.

“I would recommend Adelphi Manufacturing as a supplier following our experience with you and the quality of your equipment.”

Connolly's Red Mills: Quick installation of ATEX compliant filler helps fight against COVID-19



The Challenge:

In early 2020, Connolly's Red Mills repurposed their equine healthcare manufacturing facilities to produce hand sanitizers, to play their part in the worldwide fight against Coronavirus (COVID-19). They needed quick delivery of an easy to set-up, ATEX compliant filling machine.

The Solution:

The Response Benchtop Filler – configured to be suitable for use in ATEX Zone 1 Category IIB 2G c T5 (100C) – fitted with EPDM seals to fill high ethanol content hand sanitizer gels. In spite of the challenges presented by lockdown, it was delivered 5 working days after the order was placed, and Connolly's Red Mills' Operations Manager John Walsh enthuses that "it arrived mostly assembled, so was up and running within a couple of hours of delivery!"

John completed the purchase of Connolly's Red Mills' first Response Benchtop Filler in 2019. He says that the confidence instilled by his first purchase meant that he was immediately comfortable purchasing a second;

"It's a simple machine that does what it says it will!"



Versatile & Adaptable, to meet Varied Production Requirements

A single Response filler head is suitable for filling liquids, oils, gels, creams, pastes and solids-in-suspension into all types of container. Thanks to three standard sizes of honed pump sets, fill volumes can range from 10ml to 1 litre in a single shot. Connolly's Red Mills are using their Response ATEX Filler to fill 250ml, 500ml and 5L containers of hand sanitizer. When the situation returns to relative normality, John looks forward to using the filler for Connolly's Red Mills' other liquid based equine healthcare products.

Saves Time & Money

Exceptional filling accuracy of $\pm 0.25\%$ means that very little product is wasted during the filling process. 3 minute single-tool stripdown saves time when changing between different products and containers, resulting in less costly production downtime.





Adelphi Manufacturing's responsive approach to machine design enables a 200% increase in product offering for veterinary medicine manufacturer

Adelphi Manufacturing's customer is a UK-based Specials Manufacturer dedicated to broadening available treatment options for veterinarians. They currently serve the equine, small/companion animal and exotic markets, with an ever-expanding portfolio of products.

Led by a team of pharmaceutical manufacturing professionals with experience from across the globe, this customer implements European Medicine Standards at their ManSA licenced facilities.

Adelphi Manufacturing are proud to have been at their side on their remarkable journey, having supplied a Response Benchtop Filler and a Vial Crimper to aid production.



One Size Doesn't Fit All!

"I have never sat down with any other sales guys, I normally leave it to my purchasing team," the Director laughs. "But Adelphi's knowledge of the technical aspects means that they get what we need. I need someone to understand immediately, and that's Adelphi." The visit also included lengthy and animated discussions about the future of the company, and how Adelphi's standard and bespoke production solutions can support their next phase of growth.

"We've spoken with bigger machinery companies in the past, but they don't have the flexibility to think outside the box", says the Director. "They have a standard range of machines, and if these don't fit your production needs, they can't help you. They won't sit down to chat for a couple of hours to find out what's best for us." With Adelphi, he says, "their experience marries with my ideas!"



Infallible Hygiene

When supplying Adelphi's Response Benchtop Filler, Adelphi's design team created a special filling nozzle attachment for this customer, to help fill their equine cream product into syringe containers. To meet the customer's strict hygiene requirements, all contact parts are manufactured in 316L pharmaceutical grade stainless steel, PTFE and Viton, and an all-stainless monocoque construction, with curved and sloping surfaces meets GMP regulations. Clean, lubricant-free pneumatics, Tri-Clover hopper connections, and a quick-strip design combine to ease cleaning.

Other 'Adelphi aspects' which this customer appreciates include servicing options which fit in with their production downtime, and fast lead times for new machinery, which means that the Director can be responsive to his company's production needs as they develop and grow.



A Relationship of Trust

Since the Director's arrival, this company has expanded their range from 30 to 90 products, their team from 14 to 47 people, and their distribution footprint to now cover 15 countries. "What we have achieved so far is only because of your machines", he says, "and we will continue to work with Adelphi to grow further.

"I don't want to want to use multiple suppliers; it's better to build a relationship of trust with just one", he continues. Happily, Adelphi are experienced in providing complete processing solutions – which can include incorporating machinery from other suppliers – to simplify the purchasing process for our customers.

Conveniently, Adelphi Manufacturing's sister company Pharma Hygiene Products have also supplied hygienic, 316L pharmaceutical grade stainless steel vessels (above left), to assist this customer's production. These sit at the base of a high shear mixer, which is mixing a powder product suspended in liquid.

The Adelphi Group of Companies

Adelphi Manufacturing

Adelphi Manufacturing offers manual and semi-automatic equipment designed to aid the efficient opening, filling, closing and inspecting of a variety of containers such as capsules, ampoules, vials, syringes, tubes and bottles. It also offers a range of pharmaceutical dispensing equipment, and is the sole UK agent for TGM tube fillers and ROTA ampoule fillers.

sales@adelphi.uk.com
www.adelphi-le.com



ADELPHI
MANUFACTURING

Adelphi Masterfil

Manufacturers of filling and capping machinery, from single machines to complete turnkey lines. Adelphi Masterfil primarily serves the lube oil, chemical (including household and agrochemical), cosmetics and food industries.

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