

Product Guide

ADELPHI

PHARMA HYGIENE PRODUCTS



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Uncompromising Quality & Compliance

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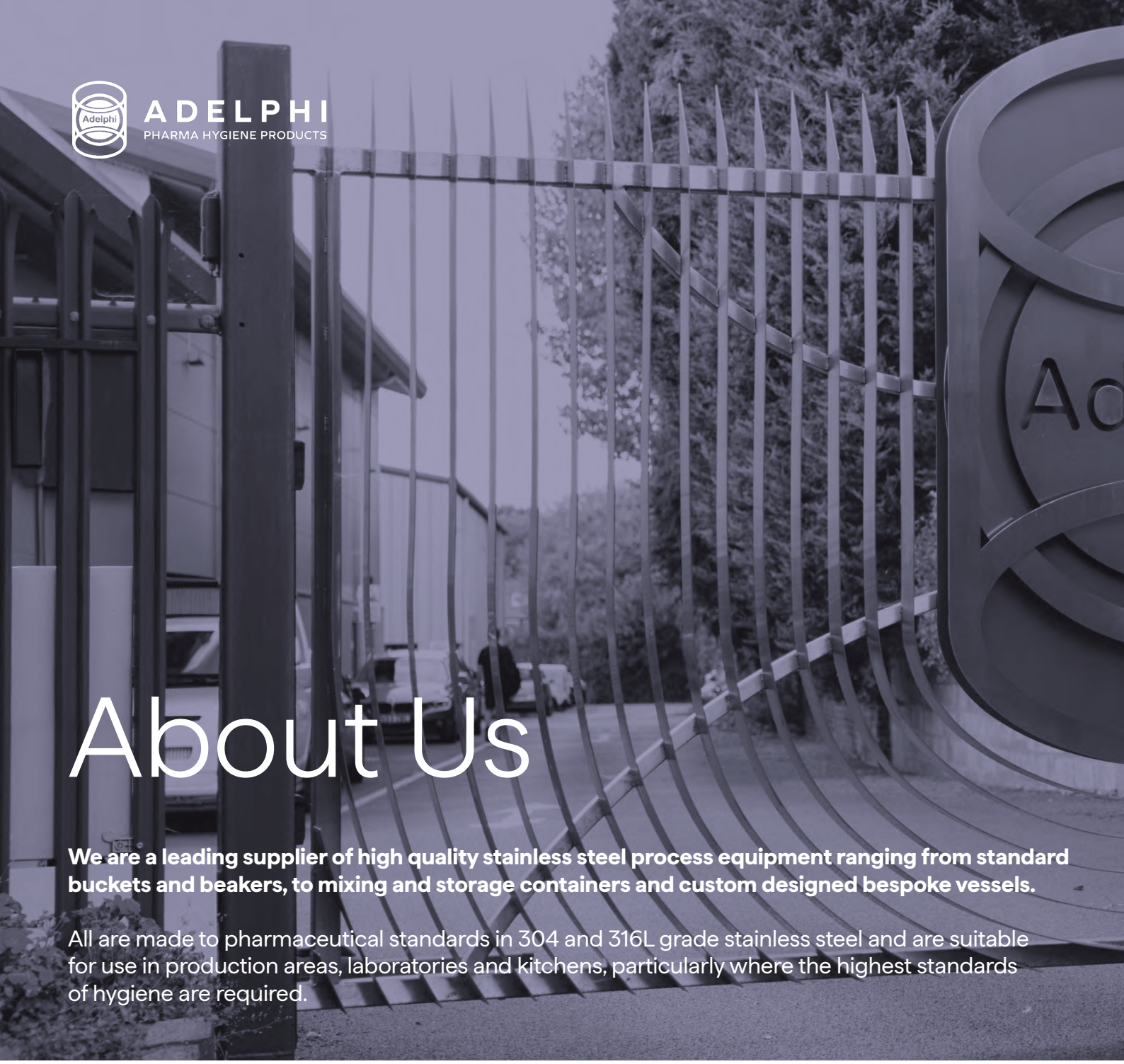

ADELPHI
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About Us

We are a leading supplier of high quality stainless steel process equipment ranging from standard buckets and beakers, to mixing and storage containers and custom designed bespoke vessels.

All are made to pharmaceutical standards in 304 and 316L grade stainless steel and are suitable for use in production areas, laboratories and kitchens, particularly where the highest standards of hygiene are required.

Quality Guarantee

Our customers operate to exacting standards, and our products must 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 PHP 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.





Practical Advice

Our friendly and experienced support team is here to help, Monday to Friday, from 9am to 5pm. With extensive knowledge of our full product range, they can quickly identify the exact part you need and recommend the right solution to suit your requirements.

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.
- 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.

Optional modifications for storage, mixing and transport containers

Your key to our range of optional fitted modifications for product ranges in the following pages, where purple symbols identify the modifications available. If you require modifications that are not listed below, please contact us to discuss them. Please note that separate Butterfly Valves and Ball Valves, supplied unfitted, can be found on page 38 onwards.



Mobile frames

Ideal for moving vessels smoothly and safely without lifting and carrying. Supplied with four castors, two of which are braked. Available with straight or angled flanges.



Special etching

Any combination of letters and numbers can be etched into the surface of any item to show serial number, contents, location, etc. Logos or other graphics can also be etched. All text above 36pt will require a specialised etching stencil.



Graduations

Can be added to items not graduated as standard. Graduation marks will be electro-etched on the inside of the vessel. (Note: these graduations are normally accurate to ± 3%).



Handles

Side handles can be added or removed from standard items to suit.



Hole with swinger side cover

To provide access for tubes, probes, mixer shafts, etc. A 25mm hole with swingaside cover is available as standard. Other sizes available on request.



Skirt band removal

The skirt band can be removed from items that usually have one, to ensure contact between the base of the container and a hot-plate, for example.



O-ring seals

Can be used with our toggle clamps to create an airtight seal to our vessels, cans and pails. All seals are FDA approved and available in FKM (Viton®), EPDM and Silicone.



Toggle clamps

Available to secure lids. When used with O-ring seals can provide a spill proof and airtight seal.



Taps (fitted)

316L grade. Available in a variety of sizes, as detailed on page 7.



Hose connectors (fitted)

316L grade. Available to add to ball valves, in a variety of sizes, as detailed on page 7.



Bibs (fitted)

316L grade. Available to add to ball valves, in a variety of sizes, as detailed on page 7.



Butterfly valves (fitted)

316L grade ferrule is welded to the vessel, ground and polished inside. Valve is the fitted via tri-clamp with EPDM seal as standard. Available in sizes 1", 1 1/2" and 2".



Ball valves (fitted)

316L grade ferrule is welded to the vessel, ground and polished inside. Valve is the fitted via tri-clamp with EPDM seal as standard. Available in sizes 1/2" and 3/4".

Fitted valves, taps, bibs and hose connectors

We can fit a variety of outlets to our containers in a range of sizes. Please refer to the table below for part references. All contact parts are made from 316L grade stainless steel. Other sizes and types of outlet are available on request.

Size	0.25"	0.375"	0.5"	0.75"	1"	1.5"	2"	2.5"	3"	4"
Butterfly Valve	-	-	-	-	BVA6001P	BVA61.5P	BVA6002P	BVA62.5P	BVA6003P	BVA6004P
Ball Valve	-	-	BVA600.5P	BVA600.75P	-	-	-	-	-	-
Tap Unit	TAP6.25P	TAP6.38P	TAP6.50P	TAP6.75P	TAP6001P	TAP61.5P	TAP6002P	-	-	-
Bib	BIB6.25P	BIB6.38P	BIB6.50P	BIB6.75P	BIB6001P	BIB61.5P	BIB6002P	-	-	-
Hose Connector	HTC6.25P	HTC6.38P	HTC6.50P	HTC6.75P	HTC6001P	HTC61.5P	HTC6002P	-	-	-

Notes:

1. For pharmaceutical applications the fitting of a ball valve or butterfly valve is recommended. These hygienic outlets include Tri-Clamp fittings for easy removal and cleaning.
2. Butterfly valves and ball valves include the valve, clamp, ferrule welded to the container, and seal (PTFE as standard on the Ball Valve, EPDM as standard on the Butterfly Valve). Alternative seals are available on request.
3. With tap units, 'Size' refers to the BSP size. With Ball and Butterfly Valves, 'Size' refers to the pipe size.
4. For valves supplied individually (unfitted), please refer to page 38 onwards.

Lid Seals

Our seals are designed to work in conjunction with our toggle clamps to create a spillproof and airtight seal to our containers, lidded cans and pails. We offer the listed O-ring seals as standard. Other profiles and materials are available to special order. All seals are FDA approved.

	EPDM	FKM (Viton®)	Silicone
Colour	Black	Black	White or red
Temperature range	-50°c to +150°c	-25°c to +204°c	-55°c to +204°c
Recommended product uses	Fruit juices, ethanol based products	Vacuum Most acids and chemicals Lube oils and greases	Dry heat Odourless and non-toxic products
Not recommended for	Petrolium oils	Ketones Brake fluids	Ketones Acids Brake fluids
Common industry applications	Pharma, food, cosmetic and chemical processing	Pharma, food, cosmetic and chemical processing Automotive fuels and oils	Pharma and life science projects Food and beverage applications
Mechanical properties	Good wear resistance Excellent compression set resistance Excellent permeation resistance Excellent resistance to weathering	Good wear resistance Excellent compression set resistance Excellent permeation resistance Excellent resistance to weathering	Poor wear resistance Good compression set resistance Good permeation resistance Excellent permeation resistance

Note:

To order seals please specify the seal type, container type and container capacity in litres.
For 'Mixing and storage containers' use V. For 'Cans with lids' use C. For 'Pails' use P.

For example:

EPDMV20 = EPDM seal for 20L vessel lid.
SILICONEC6 = Silicone seal for 6 litre can with lid.
VITONP10 = FKM (Viton®) seal for 10 litre pail.

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304 or 316L stainless steel

Stainless steel is a durable, versatile and hygienic material that is resistant to corrosion and looks good.

There are over 200 different types of stainless steel, each with a different range of properties. However, five types account for the bulk of usage, and Pharma Hygiene Products supply product ranges in two types, known as 304 and 316L grade.

Grades

304 is an excellent general grade of stainless steel, suited to a range of uses.

316L is, however, recommended for pharmaceutical, cosmetic, food and dairy applications, as it has an even better corrosion resistance than 304 grade. Certificates confirming the grade and composition of stainless steel can be supplied on request at an additional cost.

Stainless steel has outstanding resistance to corrosion due to the chromium oxide layer that forms on the surface and attack from a wide range of chemical-based products. It is also more environmentally friendly than plastic disposable equipment, which has been favoured by the industry in recent times. In the face of growing pressure to integrate more sustainable, durable equipment into their processes, manufacturers are looking to stainless steel for a longer lasting solution.

304 Composition

Standard	Material	Cr	Ni	C	Si	Mn	P	Fe
1.4301	304	17.50 - 19.50%	8.00 - 10.50%	0.0 - 0.07%	0.0 - 1.00%	0.0 - 2.00%	0.0 - 0.05%	Balance

316L Composition

SAE 316L stainless steel is an austenitic stainless steel and the second most common stainless steel after SAE 304 stainless steel. Its primary alloying constituents after iron are chromium (16–18%), nickel (10–12%), and molybdenum (2–3%) – with controlled carbon content.

Standard	Material	Cr	Ni	Mo	C	Si	Mn	Fe
1.4404	316L	16.50 - 18.50%	10.00 - 13.00%	2.00 - 2.50%	0.0 - 0.03%	0.0 - 1.00%	0.0 - 2.00%	Balance



Batch Testing

20% of 316L grade product contact items supplied by Pharma Hygiene Products are batch tested in-house using an X-ray fluorescence analyser, which confirms the grade of stainless steel present, providing reassurance of the highest quality.

At request, 100% testing can be performed before dispatch and certificates with photographs of analysis tests for product contact parts can be provided.



Pharma Hygiene Products offer a wide range of standard storage, mixing and transport vessels, from small bowls up to larger 200 litre tanks.

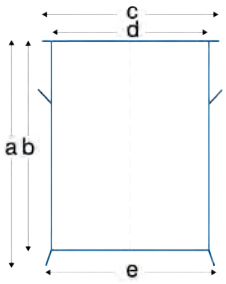


Process EQUIPMENT

Storage, Mixing & Transportation Containers

Durable, hygienic 304 or 316L stainless-steel containers for storage, mixing and transport.
Easy to sterilise, reusable and fully traceable materials for pharma and food compliance.

- Durable and hygienic construction
- Versatile applications
- Customisable design
- Full material traceability
- Safety and handling
- Exceptional surface finish
- Plain or graduated options
- Skirted with side handles





Item Code	Materials	Capacity (litres)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Grad.	Weight (kg)	Lid Code	Lid Weight (kg)
VES4020P	304	20	390	380	350	265	275	-	3.4	**VEL4020P**	0.6
VES6020G	316L							5-20/5		**VEL6020P**	
VES4025P	304	25			380	300	305	-	3.8	**VEL4025P**	0.8
VES6025G	316L							5-25/5		**VEL6025P**	
VES4030P	304	30	460	445				-	4.4	**VEL4025P**	
VES6030G	316L							5-30/5		**VEL6025P**	
VES4050P	304	50	560	535	435	350	355	-	6.4	**VEL4050P**	1
VES6050G	316L							5-50/5		**VEL6050P**	
VES4075P	304	75	625	600	480	400	405	-	8.5	**VEL4075P**	1.3
VES6075G	316L							5-75/5		**VEL6075P**	
VES4100P	304	100	675	650	520	450	455	-	12	**VEL4100P**	1.6
VES6100G	316L							10-100/10		**VEL6100P**	
VES4150P	304	150			620	550	555	-	16	**VEL4150P**	2.3
VES6150G	316L							10-150/10		**VEL6150P**	
VES6240P	316L	240	890	850	730	600	625	-	26	**VEL6240S**	3

Notes: Graduations: 5–20/5 = graduated from 5 litres to 20 litres in 5 litre intervals.

Mobile Transportation Frames

Stainless-steel mobile transport frames for safe, hygienic movement of vessels.
Eliminate manual lifting while improving efficiency and compliance.

- Designed to suit vessels from 20L to 200L
- Safe, smooth vessel movement without lifting
- 304 Grade stainless-steel construction
- Supplied with four heavy duty castors
- Choice of locating flange design
- Easy to clean and re-useable
- Fast delivery available
- Full material traceability

Item Code Plain	Item Code Flanged	Suit vessel capacity (litres)
FRA4020P	FRA4020F	20
FRA4025P	FRA4025F	25
FRA4030P	FRA4030F	30
FRA4050P	FRA4050F	50
FRA4075P	FRA4075F	75
FRA4100P	FRA4100F	100
FRA4150P	FRA4150F	150
FRA4200P	FRA4200F	200



Plain with standard nylon casters

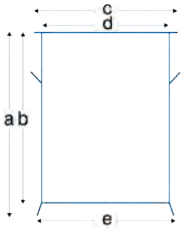


Flanged with standard casters
– conductive casters available as optional extra

Cans with Lids

Manufactured from either 304 or 316L grade stainless steel, pit-free interiors and are polished throughout.

- 304 or 316L pharmaceutical grade stainless steel
- Crevice- and pit-free interior
- Polished finish throughout
- Durable and fully reusable design
- Suitable for regulated industries
- Compatible with standard cleaning methods



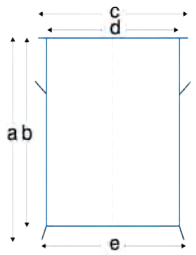


Item Code 304	Item Code 316L	Capacity (litres)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Skirt	Handle	Weight (kg)
CWL4001P	CWL6001P	1	155	150	125	100	N/A	NO	SWING	0.4
CWL4002P	CWL6002P	2	157	170	160	130				0.7
CWL4003P	CWL6003P	3	185	180	185	155				1
CWL4004P	CWL6004P	4	200	185	186	170	173	YES		1.3
CWL4005P	CWL6005P	5	240	230	205	175	180			1.4
CWL4006P	CWL6006P	6	280	270						1.7
CWL4008P	CWL6008P	8	285		235	200	205			2
CWL4010P	CWL6010P	10	295	280	250	220	220			2.5

Pails

Our stainless-steel pails are designed for safe, hygienic handling of liquids and ingredients in pharmaceutical, food and related regulated industries.

- 304 or 316L stainless-steel construction
- Crevice and pit-free interior surfaces
- Polished throughout for easy cleaning
- Graduated in 1 litre intervals
- Supplied with swing handle as standard
- Reinforced skirtband included
- Skirtband-free option available to special order
- Optional lids available
- Reusable and cost-effective
- Skirted with swing handles



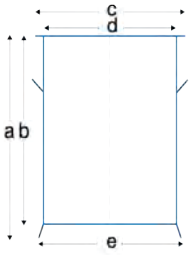


Item Code 304	Item Code 316L	Capacity (litres)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Weight (kg)	Lid Code 304	Lid Code 316L	Lid Weight (kg)
PAI4010P	**PAI6010P**	10	255	240	275	237	245	2.1	**PAL4010P**	**PAL6010P**	0.5
PAI4012P	**PAI6012P**	12	283	273				2.5	**PAL4012P**	**PAL6012P**	
PAI4015P	**PAI6015P**	15	285	275	305	267	275	2.8	**VEL4020P**	**VEL6020P**	0.6

Buckets with Spout

Our buckets are designed for applications where controlled pouring, accuracy and hygiene are critical.

- Straight sided design for accurate volume control
- 304 or 316L pharmaceutical grade stainless-steel options
- Exceptional surface finish (0.4 Micrometers ra)
- Crevice and pit-free construction
- Integrated pouring spout for controlled decanting
- Swing handle and bottom steadying handle
- Reinforced skirtband for added strength
- Graduated for accurate measurement
- Optional extended lid available



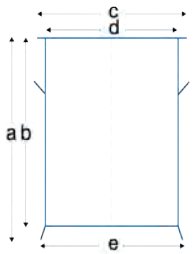


Item Code	Capacity (litres)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Skirt	Handle	Grad.	Weight (kg)	Lid Code	Lid Weight (kg)
BUS4010G	10	275	265	297	237	245	YES	SWING	1-10/0.5	2.3	**BSL4010P**	0.5
BUS4015G	15	308	295	320	267	272			2-15/0.5	2.7	**BSL4015P**	0.6
BUS4020G	20	395	380	328					2-20/1	3.4	**BSL4020P**	

Heavy Duty Bucket

Our heavy duty buckets are manufactured to meet international pharmaceutical and food quality compliance regulations, providing a durable and hygienic solution for demanding production, handling and cleaning environments.

- Heavy duty construction for demanding applications
- 304 pharmaceutical grade stainless-steel options
- Exceptional surface finish (0.4 Micrometers ra)
- Crevice and pit-free interiors
- Polished throughout for maximum cleanability
- Reinforced skirtband for added strength
- Swing handle for safe, controlled movement
- Graduated in 1 litre intervals
- Reusable, long service life design
- Suitable for pharma, food, chemical and laboratory use



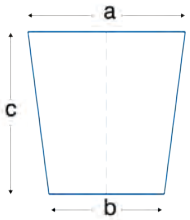


Item Code	Capacity (litres)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Skirt	Handle	Grad.	Weight (kg)
BHD4015G	15	255	240	340	320	295	YES	SWING	2-15/1	2.7

Buckets

Our range of 304 or 316L stainless-steel buckets are designed to meet international pharmaceutical and food quality compliance regulations, offering a robust, hygienic solution for liquid handling, storage and transfer.

- 304 or 316L pharmaceutical grade stainless-steel options
- Exceptional surface finish (0.4 Micrometers ra)
- Crevice and pit-free interior surfaces
- Polished throughout for maximum cleanability
- Optional lids available
- Reusable and long-lasting design
- Suitable for pharma, food and clean processing environments



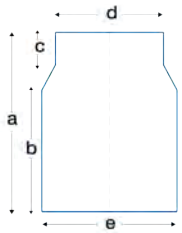


Item Code	Capacity (litres)	a (mm)	b (mm)	c (mm)	Skirt	Handle	Material	Grad.	Weight (kg)	Lid Code	Lid Weight (kg)
BUC4007P	7	240	160	250	NO	SWING	304	N/A	1	**BUL4007P**	0.4
BUC4010G	10	295	175	270	YES		304	1-10/1	1.4	**BUL4010P**	0.4
BUC4012G	12	320	210	260			304	2-12/1	1.6	**BUL4012P**	0.5
BUC6012G							316L			**BUL4012P**	
BUC4015G	15	325	202	340			304	2-15/1	1.8	**BUL4015P**	0.6

Stainless-Steel Churns

Manufactured from 304 or 316L pharmaceutical grade stainless steel, these stainless-steel churns are specifically designed for the safe storage and transportation of antibiotics, chemicals, liquids and food-grade products.

- 304 or 316L pharmaceutical grade stainless steel
- Crevice and pit-free polished interior
- Chemical churn comes with toggle clamps and FKM (Viton®) seal
- Safe transportation without contamination risk
- Durable, easy to sterilise and re-useable
- Full material traceability
- Optional bespoke etching for batch traceability
- Delivery within days





Chemical churns

Item Code	Capacity (litres)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Skirt	Handle	Material	Weight (kg)
CHU6015P	15	425	240	30	160	245	YES	SIDE	316L	4.2
CHU6030P	30	530	300		200	300				7
CHU6040P	40	590				360				8
CHU6050P	50	700	400							9

Churns with swing handles

Item Code	Capacity (litres)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Skirt	Handle	Material	Weight (kg)
CHU4003P	3	215	150	40	120	155	NO	SWING	304	0.9
CHU4005P	5	265	190		140	175				1.3
CHU4010P	10	330	250		160	225	YES			2.7
CHU4015P	15	370	280	50	200	275				3.7
CHU4020P	20	420	330							4.1

Churns with side handles

Item Code	Capacity (litres)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Skirt	Handle	Material	Weight (kg)
CHU4025P	25	420	290	55	205	320	YES	SIDE	304	5
CHU4030P	30	485	355							5.5
CHU4040P	40	550	385	80	220	355				7.8
CHU4050P	50	650	480							8.8

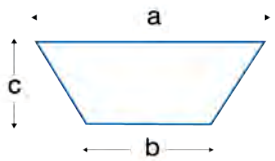
Churns with spout

Item Code	Capacity (litres)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	Skirt	Handle	Material	Weight (kg)
CHU4005S	5	265	190	40	140	175	YES	SWING	304	1.6
CHU4010S	10	330	250		160	225				2.7
CHU4015S	15	370	280		200	275				3.7
CHU4020S	20	420	330	50						4.1

Bowls

Bowls are designed for hygienic handling, preparation and storage of materials in pharmaceutical, food, cosmetic and laboratory environments.

- 304 Grade stainless-steel construction
- Pressed in one piece for maximum hygiene
- Wide range of standard capacities
- Multiple bowl styles available
- Durable and reusable
- Full material traceability available
- Fast availability





Item Code	Capacity (litres)	a (mm)	b (mm)	c (mm)	Weight (gm)
BOW40.1P	0.1	70	40	50	25
BOW40.2P	0.2	100	60		50
BOW40.3P	0.3	105	65	60	60
BOW40.5P	0.5	130	75	70	95
BOW4.75P	0.75	165	95	75	135
BOW4001P	1	170		90	140
BOW41.5P	1.5	200	115	95	190
BOW4002P	2	220	110	120	240
BOW42.5P	2.5	235	145	100	320

Item Code	Capacity (litres)	a (mm)	b (mm)	c (mm)	Weight (gm)
BOW4003P	3	250	140	120	345
BOW4004P	4	270	150	130	425
BOW44.5P	4.5	285	175	120	460
BOW4005P	5	300	170	130	495
BOW4006P	6	320	190	145	575
BOW4008P	8	335	195	170	710
BOW4009P	9	340		180	
BOW4011P	11	395	210		950
BOW4014P	14	410		195	1030
BOW4003L (DOS)	3	275	200	75	400

DOS: Discontinued once sold. Please contact our team to enquire about available quantities remaining.

Containers with Lids

Manufactured from 304 grade stainless steel, these containers are available with an optional stainless-steel lid. They have crevice- and pit-free interiors and are polished throughout.



Item Code	Capacity (ml)	Diameter (mm)	Depth (mm)	Weight (gm)	Lid code	Lid weight (gm)
COC4060P (DOS) 150 60	150	60	60	140	-	-
COC4085P	400	85	85	200	**COL4085P**	60
COC4100P	700	100	100	225	**COL4100P**	75
COC4120P (DOS)	1200	120	120	535	**COL4120P**	90
COC4150P	2500	150	150	805	**COL4150P**	150
COC4200P	6000	200	200	1560	-	-

DOS: Discontinued once sold. Please contact our team to enquire about available quantities remaining.

Water Jacketed Vessels

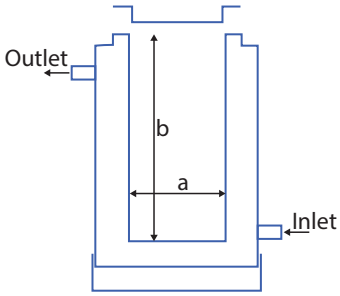
Durable, hygienic stainless-steel jacketed vessels for efficient heating or cooling ideal for pharmaceutical, laboratory and food processing applications. Supplied with a drop on lid.

- Premium construction
- Efficient temperature control
- Hygienic finish
- Full material traceability
- Safe and practical design
- Customisable for your process
- Water inlet 1/4" BSP female thread
- Water outlet 1/2" BSP female thread
- Working pressure 0.1bar

BESPOKE SIZING AVAILABLE



Item Code	Capacity (litres)	a (mm)	b (mm)
VEJ6001P	1	100	150
VEJ6002P	2	130	170
VEJ6005P	5	175	230
VEJ6006P	6		270
VEJ6008P	8	200	
VEJ6010P	10	220	280
VEJ6015P	15	267	275
VEJ6020G	20	265	380
VEJ6025G	25	300	380
VEJ6030G	30		445
VEJ6050G	50	350	535
VEJ6100G	100	450	650



Pressurised Vessels and Pressurised Water Jackets

Pharmaceutical-grade stainless-steel pressure vessels for controlled processing, engineered for safety, hygiene and regulatory compliance.

- 316L pharmaceutical grade stainless-steel construction – ensures exceptional corrosion resistance, product integrity and full compatibility with regulated production environments
- Pressure and vacuum vessel configurations available – designed to safely handle internal pressure, internal vacuum, or combined systems depending on your process needs
- Heated and cooled jacket options – available with: pressurised heating or cooling jackets, liquid-filled jackets with no vessel pressure, fully pressurised vessels with pressurised heating jackets
- ATEX compliant designs available – suitable for hazardous and flammable product applications when specified for CAT 2 IIB T4 (135°C) (Zone 1)
- Process safety and control options – optional level sensors prevent product volume from falling below safe operating limits
- Reusable, long life equipment – designed for repeated use with minimal maintenance and excellent return on investment.

Please note that to fall within the necessary Sound Engineering Practice specifications, Volume multiplied by Pressure must be equal to or less than 200.
For Example:
50 litres of product x maximum 4 bar of pressure
25 litres of product x maximum 8 bar of pressure



30L Pressure Vessel with Heating Jacket and Mixer



Mixing

EQUIPMENT

Propeller Mixer

Stainless-steel propeller mixers for efficient liquid blending and powder blending into liquids in pharma, food and cosmetic production.

- Optimised for low to medium viscosity products
- 316L grade polished wetted parts
- Durable stainless-steel lifting frame
- Variable speed drive
- Wide viscosity handling capability
- Flexible batch sizes
- Multiple motor options available
  - 0.37 Kw motor – suitable for batch sizes up to 100L
  - 0.75 Kw motor – suitable for batch sizes up to 300L
- Mobile configuration available



None standard H-Frame

Item Code	Model	Operating RPM	Propeller Size
CSP031-201	Mobile propeller mixer - 0.37 kW motor	420 - 1400	112mm
CSP031-501	Mobile propeller mixer - 0.75 kW motor	420 - 1400	150mm

High Shear Mixer

Compact stainless-steel high-shear mixers for fast, hygienic emulsification, ideal for pharma, food and cosmetic production.

- Optimised for water to oil emulsions
- Pharmaceutical grade wetted parts – 316L and mineral field PTFE
- Durable stainless-steel lifting frame
- High speed operation as standard
- Wide viscosity handling capability
- Flexible batch sizes
- Multiple motor options available
- Mobile configuration as standard



1.1 Kw motor High Shear Mixer

Item Code	Model	Operating RPM	Approx. Mix Capacity at 10cPs	Approx. Mix Capacity at 3000cPs
CSP031-401	1.1Kw	840 - 2800	250L	100L
CSP031-701	2.2Kw		300L	150L
CSP031-801	3.0Kw		400L	200L

High Speed Dispersers

Laboratory High Speed Dispersers are commonly used to wet out powders into liquid bases. The high speed serrated impeller creates a vortex which ensures powders are rapidly and evenly dispersed without agglomeration. By determining the optimum serrated impeller / vessel ratio in the laboratory product, formulations can be confidently upscaled to bulk without further adjustment.

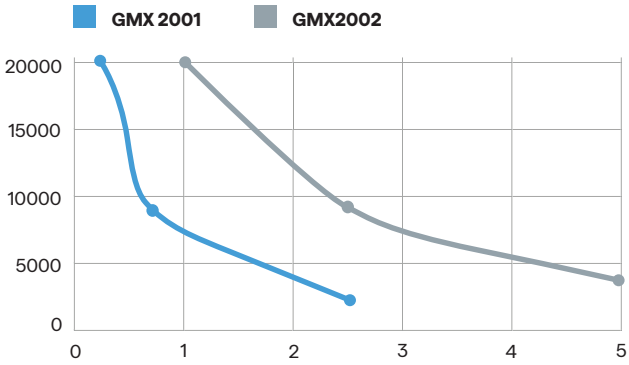
- Laboratory formulations reliably up-scale to bulk production
- Easy cleaning, hygienic construction
- Low wear, low maintenance
- High viscosity capability
- Variable speed with digital display
- Viscosity monitor (amps display)
- CE compliant safety system

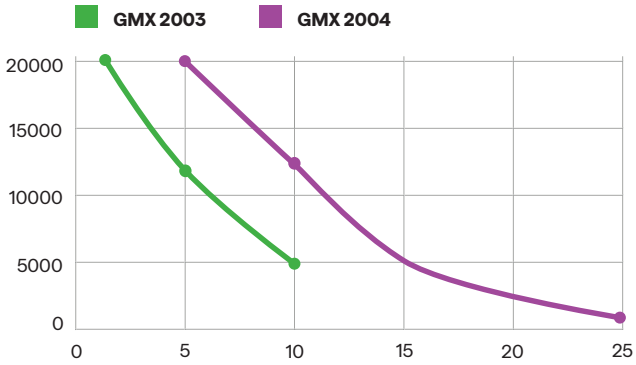


Options

- Interchangeable serrated impeller blades
- Product temperature display
- Manual or electric lift
- Quick release interchangeable mixer tools
- Vacuum and pressure vessels
- Thermal vessel jackets
- Pneumatic drive
- ATEX rated

Item Code	kW	Max. Speed (RPM)	Viscosity (cPs)	Capacity (L)
GMX 2001	0.18	6000	2500 - 20,000	0.25 - 2.5
GMX 2002	0.18		4000 - 20,000	1 - 5
GMX 2003	0.37		5000 - 20,000	1 - 10
GMX 2004	0.75		1000 - 20,0000	5 - 25





High Shear Mixers

Laboratory High Shear Mixers follow the same principles as their full scale counterparts. The combination of high speed and close rotor / stator tolerance creates a high energy zone where liquid / liquid and liquid / powder mixtures are rapidly homogenised. The mixer head geometry, vessel capacity and rotor speed are designed to create the same mixing and shear conditions as the corresponding full scale installation. This ensures that formulations created at Lab scale can be applied in production without adjustment.

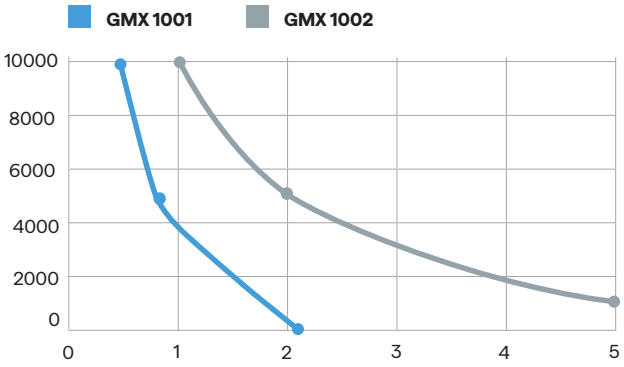
- Laboratory formulations reliably upscale to bulk production
- Easy cleaning, hygienic construction
- Low wear, low maintenance
- High viscosity capability
- Variable speed with digital display
- Viscosity monitor (amps display)
- CE compliant safety system

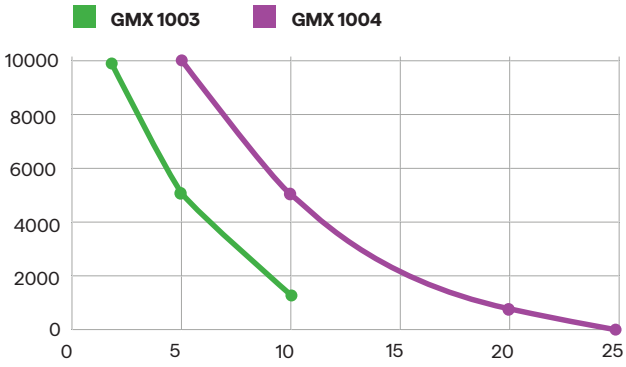


Options

- Interchangeable mixer heads
- Product temperature display
- Manual or electric lift
- Quick release interchangeable mixer tools
- Vacuum and pressure vessels
- Thermal vessel jackets
- Pneumatic drive
- ATEX rated

Item Code	kW	Max. Speed (RPM)	Capacity (Litres)
GMX 1001	0.18	6000	Refer to graph **GMX 1001**
GMX 1002	0.18		Refer to graph **GMX 1002**
GMX 1003	0.25		Refer to graph **GMX 1003**
GMX 1004	0.75		Refer to graph **GMX 1004**

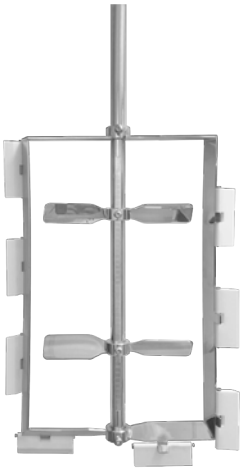




Gate Stirrer

Our Gate Stirrer is engineered for the slow, controlled stirring of medium to high viscosity formulations, making it ideal for products such as creams, pastes, gels, thick sauces and similar semi solid materials. Designed to deliver thorough and uniform mixing without introducing excessive shear, it is the perfect choice for applications where product texture, integrity and consistency must be preserved.

- Designed for slow, low shear stirring
- Ideal for medium to high viscosity products (10,000–100,000 cPs)
- Close tolerance construction matched to vessel shape
- Consistent mixing coverage across the vessel
- Typical operating speeds: 50-100 rpm
- Product contact components in 316 stainless-steel (and PTFE with scrapers)
- 0.4 Mm ra finish, with ground welds for hygiene and ease of cleaning
- Match the shape of your mixing vessel
- 316L stainless-steel surfaces
- Engineered for high viscosity mixing
- Customisation options



Gate Stirrer for 200L Vessel

Configure your Gate Stirrer to match your process:

Pivoted PTFE wall scrapers – clean vessel walls and improve heat transfer.
Height adjustable central mixing blades.
Motor options tailored to application requirements.
Integration with a Pharma Hygiene Products mixing vessel system.

Helical Stirrer

The Helical Stirrer is designed for applications that require gentle, controlled agitation, making it ideal for medium to high viscosity products (Up to 5000 cPs) and formulations that are particularly delicate. It is perfect for processes where the goal is creating a homogeneous solution or keeping particles in suspension rather than intensive blending.

- Designed for gentle, low-shear mixing
- Ideal for up to 5000 cPs (mPaSec) viscosity products
- Perfect for delicate formulations or suspension maintenance
- Close-tolerance construction for full vessel coverage
- Typical operating speed: 50-100 rpm
- All product-contact parts in 316L stainless steel
- Premium hygienic finish: 0.4 mm Ra, welds ground
- 316L stainless steel
- Customisation options
- Engineered for delicacy and precision
- Can integrate onto bespoke mixing vessel solutions
- Includes vessel cover with product addition port





Item Code	Head Dimensions
CSP031-601	Diameter 200 x 385mm (H)

IBC Mixer

The IBC Mixer is specifically engineered for efficient, hygienic mixing directly within Intermediate Bulk Containers, making it ideal for liquid-to-liquid, oil-to-oil and free-dissolving powder-into-liquid applications or keeping product mixed in the IBC.

Designed Specifically For IBC Mixing
Engineered for direct use on standard 1000L IBCs with a 150mm screw cap and metal outer frame.

316L Pharmaceutical Grade Wetted Parts
Guarantees product purity and prevents contamination in regulated applications.

304 Grade Stainless-Steel Construction
Provides strength, durability, and long service life in industrial environments.

Exceptional Surface Finish Of 0.5 Micrometers Ra or Better on Product Contact Parts
High-level polishing eliminates pits and crevices where bacteria could accumulate.

Variable Speed Mixing Control
Adjustable speed range from 420rpm to 1400rpm to suit different products and viscosities.

Suitable For Products Up To 200 cPs (mPaSec)
Handles a wide range of low to medium viscosity formulations.

Secure & Safe Mounting System
Locates firmly to the IBC using kill-switched toggle clamps for enhanced operator safety.

Fully Factory Wired & Tested
Supplied ready to use, reducing installation time and commissioning delays.

Durable, Reusable & Easy To Sterilise
Designed for repeated cleaning and long-term use, improving ROI.

Optional Process Enhancements Available
Includes a product addition chute and high-efficiency vortex mixer impellor.

Mobility Option Available
Can be supplied with wheels for easy movement around the production facility.

Full Material Traceability Available
Material Grade, Surface Finish and TSE certification available upon request.



Item Code	Mixer Speed	Standard Head
CSP201	420-1400	112mm marine propeller

Single Wall Stainless-Steel Mixing Containers

Precision engineered vessels for mixing liquids, sauces, cosmetics, creams and pharmaceutical formulations.

Choice of Stainless Steel

Manufactured in premium 316L (pharmaceutical grade), these vessels are available from 5L to 2,500L ideal for everything from small laboratory batches to full-scale production.

Engineered for Reliable, Efficient Mixing

Each mixing container can be specified with a customised mixing solution to perfectly match your product's viscosity and process requirements:

- High Shear Mixer
- Propeller Mixer
- Agitator systems
- Multiple power and speed configurations

This ensures consistent, high-quality results whether you're producing sauces, condiments, colour cosmetics, dermatological creams, or other specialised formulations.

Exceptional Hygiene Standards

Built to meet the strict demands of regulated industries, our vessels feature:

- Pit- and crevice-free internal finishing
- Outstanding 0.4 µm Ra surface finish
- Easy cleaning with alcohol-based disinfectants

Full Material Traceability

For global pharmaceutical and regulatory compliance, full documentation can be supplied on request, including:

- Material grade certification
- Surface finish certification
- TSE certification

Customisation Options

Tailor your mixing container to suit your process:

- Choice of flat, sloped, conical or dished bottoms
- Additional manways, ports and process connections
- Heated, cooled or insulated jackets
- Mobile frames for easy manoeuvrability



200L Mixing Vessel

ATEX Compliant Mixing Containers

Safe blending solutions for ethanol-rich, volatile and hazardous formulations and mixing of explosive poweders and liquids.



Reliable & Compliant for Hazardous Environments

To deliver complete peace of mind, all required technical files are lodged with an approved body, ensuring full ATEX compliance and production security. These containers are designed specifically to minimise ignition risk while providing stable, high performance mixing for volatile formulations.

Full Material Traceability

Available upon request for international pharmaceutical and regulatory compliance:

- Material Grade Certification
- Surface Finish Certification
- TSE Certification

Customisation Options

Tailor your ATEX rated vessel to your exact process requirements:

- Flat, sloped, conical or dished bottoms
- Additional ports or manways
- Heated, cooled or insulated jackets
- Mobile frames for safe, easy movement



Engineered for Safety, Built for Performance

With ATEX certified construction, high quality stainless-steel contact surfaces and robust air driven mixing systems, these containers provide the ideal solution for safely producing flammable, volatile or solvent based products. Each vessel is built for long term reliability and assured compliance in hazardous area operations.

Your Choice of Stainless Steel

Manufactured in your choice of 316L pharmaceutical-grade stainless steel or 304 stainless-steel, our ATEX vessels are available in capacities from 25L to 400L to suit both small-scale and industrial production.

Designed to Meet Stringent Safety Requirements

These vessels are certified CAT IIB 2DGc T4 (135°C) and supplied with an Air Motor Mixer suitable for Category 2 and 3 (Zone 1 and Zone 2) hazardous areas. This ensures full compliance when working with vapour mixtures requiring ignition energy groups A or B, and T4 maximum surface temperature group ≥135°C.

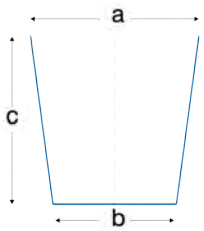


Measuring and POURING

Light Duty Measuring Jugs

Light Duty Measuring Jugs are designed for accurate measuring, decanting and handling of liquids in pharmaceutical, food and laboratory environments.

- 304 Pharmaceutical grade stainless steel
- Standard capacities from 0.1L to 2L
- Exceptional hygienic surface finish
- Plain or graduated options available
- Supplied complete with lid and swing handle
- Durable and reusable design
- Optional full material traceability





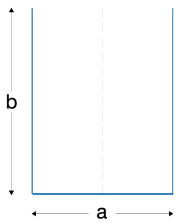
Item Code	Capacity (litres)	a (mm)	b (mm)	c (mm)	Handle	Graduation	Weight (gm)
MEA40.1G	0.1	75	40	45	OPEN	0.05-0.1/0.05	40
MEA4.25G	0.25	100	50	70		0.05-0.25/0.05	65
ME*40.5G	0.5	120	60	110	OPEN/ CLOSED	0.05-0.5/0.1	120
ME*4001G	1	150	75	135		0.1-1/0.1	200
ME*41.5G	1.5	155	85	150		0.1-1.5/0.1	290
ME*4002G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

*Note: In the item code 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.*

Heavy Duty Measuring Jugs

Heavy Duty Measuring Jugs are designed for accurate measuring, decanting and handling of liquids in pharmaceutical, food and laboratory environments.

- 304 or 316L pharmaceutical grade stainless steel
- Standard capacities from 0.5L to 2L
- Exceptional hygienic surface finish
- Graduated as standard
- Durable and reusable design
- Optional full material traceability
- Robust side handle



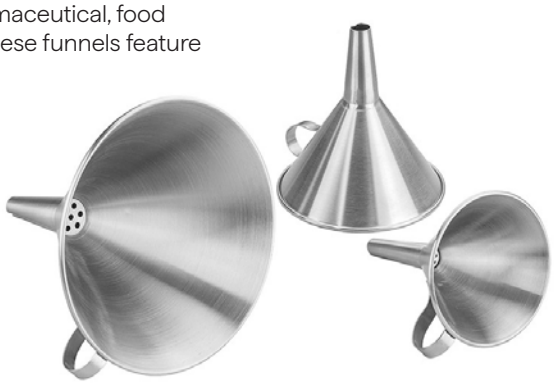


Item Code 304	Item Code 316L	Capacity (litres)	a (mm)	b (mm)	Graduation	Weight (gm)
JUM40.5G	**JUM60.5G**	0.5	75	135	0.1-0.5/0.1	285
JUM4001G	**JUM6001G**	1	100		0.2-1/0.2	475
JUM4002G	**JUM6002G**	2	135	170	0.2-2/0.2	690

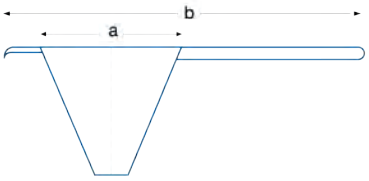
Funnels with Fixed Strainers

Funnels with Fixed Strainers provide a hygienic and efficient solution for pharmaceutical, food and laboratory environments. Manufactured from 304 grade stainless steel, these funnels feature integrated fixed strainers to help remove particulates during product transfer.

- Integrated fixed strainer design
- Hygienic one piece body construction
- Polished throughout
- Rolled top edge for safe handling
- Spout design for controlled pouring
- Wide size range available
- Full material traceability
- Durable and reusable



Item Code	a (mm)	b (mm)	c (mm)	d (mm)	Weight (gm)
FUN4109P	90	13.5	120	61	10
FUN4112S	120	16	135	55	
FUN4116S	160		175	61	25
FUN4120S	200		230	80	30
FUN4125S	250		275	76	50



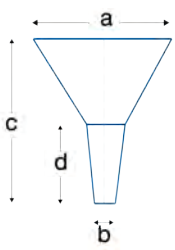
Conical Strainers

Conical Strainers are designed for hygienic filtering, straining and separation in pharmaceutical, food, cosmetic and laboratory environments. Manufactured from 304 grade stainless steel, each strainer features a one-piece body construction with a rolled top edge.

- Hygienic one piece body design
- Polished throughout
- Long straight handle with hanging hook
- Wide range of sizes available
- Durable and reusable
- Full material traceability
- Fast availability



Item Code	a (mm)	b (mm)	Weight (gm)
STR4100P	65	100	80
STR4120P	90	120	110
STR4140P	110	140	135
STR4160P	145	160	260
STR4185P	170	185	290
STR4200P	175	200	350
STR4230P	210	230	430
STR4270P	255	270	740



Light Duty Beakers

Light Duty Beakers are manufactured from 304 grade stainless steel and produced in a one-piece design to ensure hygienic, reliable performance in everyday laboratory and production tasks.

- 304 Grade stainless-steel construction
- Lightweight yet durable design
- Hygienic one-piece construction
- Crevice and pit-free interior surfaces
- Polished finish throughout
- Designed for regular re-use
- Ideal for laboratory, food and pharmaceutical environments
- Cost-effective alternative to disposable containers



Item Code	Capacity (ml)	Diameter (mm)	Depth (mm)	Weight (gm)
BEA4040C	400	85	85	210
BEA4070C	700	100	100	325
BEA4250C	2500	150	150	655
BEA4600C	6000	200	200	1310

Heavy Duty Beakers

Heavy Duty Beakers are manufactured from 304 grade stainless steel and produced to a seamless, one-piece design to maximise hygiene and durability.

- 304 Grade stainless-steel construction
- Hygienic seamless one-piece design
- Crevice and pit-free interior surfaces
- Polished finish throughout
- Rolled-over lip for strength and safer pouring
- Designed for repeated sterilisation and re-use
- Ideal for laboratory and production environments
- Cost-effective long-life alternative to disposable containers



Item Code	Capacity (ml)	Diameter (mm)	Depth (mm)	Weight (gm)
BEA4020P	200	60	75	105
BEA4035P	350	65	115	170
BEA4100P	1000	110	125	300
BEA4125P	1250	100	165	360
BEA4200P	2000	125	180	500
BEA4500P	5000	185	220	1025



Stainless-Steel

UTENSILS

Heavy Duty Scoop

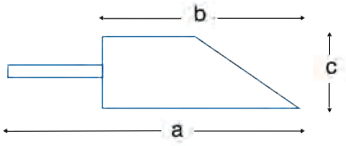
Our stainless-steel heavy duty scoops are designed for hygienic material handling in regulated environments including pharmaceutical, healthcare, cosmetics and food and beverage production.

- 316L pharmaceutical grade stainless steel
- Hygienic polished finish
- Designed for controlled material handling
- Capacity range from 0.5L to 4L
- Durable and long service life
- Compatible with standard cleaning and sterilisation processes
- Internal radiused corners
- Crevice and pit free
- Batch traceable
- Round handles



4L Heavy Duty Scoop

Item Code	Capacity (litres)	a (mm)	b (mm)	c (mm)	Weight (gm)
CFS600.5P	0.15	288	168	60	290
CFS6001P	1	340	220	100	465
CFS6002P	1.5	360	235	115	585
CFS6200P	2	385	260	130	785
CFS6004P	4	450	330	150	1300



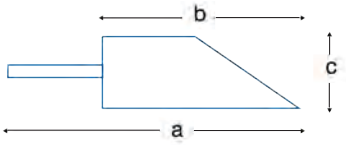
Light Duty Scoop

Our stainless-steel light duty scoops are designed for hygienic material handling in regulated environments including pharmaceutical, healthcare, cosmetics, and food and beverage production.

- 304 Pharmaceutical grade stainless steel
- Hygienic polished finish
- Designed for controlled material handling
- Capacity range from 0.15L to 3L
- Durable and long service life
- Compatible with standard cleaning and sterilisation processes



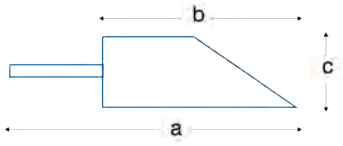
Item Code	Capacity (litres)	a (mm)	b (mm)	c (mm)	Handle	Weight (gm)
SCO4.15P	0.15	180	100	50	ROUND	100
SCO40.5P	0.5	260	150	75	BAND	195
SCO41.2P	1.2	330	195	100		310
SCO4200P	2	380	230	120		470
SCO4300P	3	400	250	160		625



Baler Scoop

Our stainless-steel baler scoops are designed for hygienic material handling in regulated environments including pharmaceutical, healthcare, cosmetics and food and beverage production.

- 316L pharmaceutical grade stainless steel
- Hygienic polished finish
- Designed for controlled material handling
- Capacity 2L
- Durable and long service life
- Compatible with standard cleaning and sterilisation processes





Item Code	Capacity (litres)	a (mm)	b (mm)	c (mm)	Handle	Weight (gm)
BSC6000P	2	345	245	90	ROUND	930

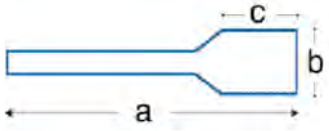
316L Stainless-Steel Paddle Stirrer

Our stainless 316L steel paddle stirrer is designed for hygienic mixing and agitation in cleanroom and regulated production environments, including pharmaceutical, healthcare, cosmetics and food manufacturing.

- 316L pharmaceutical grade stainless steel
- International cleanroom quality
- Exceptional surface finish of 0.4 Micrometers ra
- Hygienic one-piece design
- Durable, easy to sterilise and reusable
- Full material traceability available
- Available off-the-shelf for immediate dispatch
- Compatible with standard cleaning and sterilisation processes
- Multiple length options available



Item Code	a (mm)	b (mm)	c (mm)	Weight (gm)
PAD6200	1000	125	260	1200
PAD6200-1300	1300			1500



316L Stainless-Steel Scraper

Manufactured from 316L pharmaceutical grade stainless steel, this scraper is designed for hygienic use in controlled production environments.

- 316L pharmaceutical grade stainless steel
- Crevice and pit-free construction
- Polished hygienic finish throughout
- Designed for controlled production environments
- Durable and long service life



Item Code	Length (mm)	Weight (gm)
SCR6000P	230	200





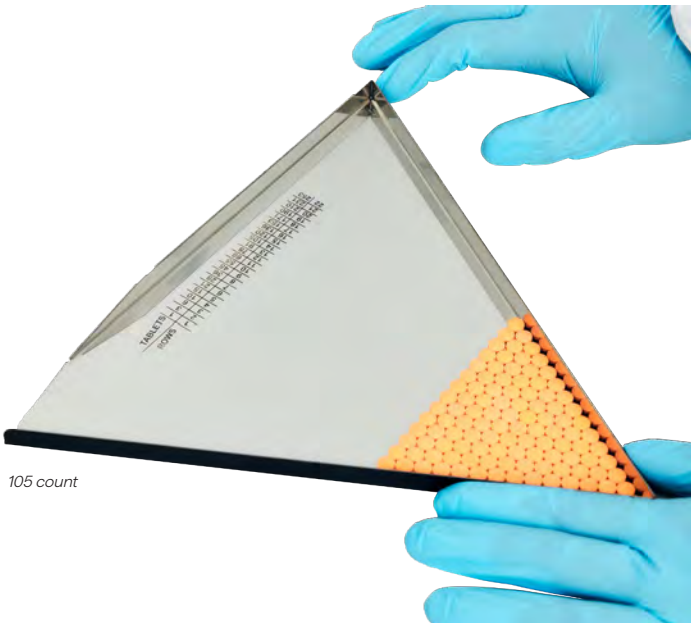
Pharmaceutical
DISPENSING

Triangular Tablet Counter

The Tablet Counting Tray provides a precise and efficient solution for manually counting round tablets within pharmaceutical, food and laboratory environments.

- Quick and accurate tablet counting
- Choice of two convenient sizes
- High-quality stainless-steel construction
- Supports regulatory and quality assurance requirements
- Durable and reusable design
- Full material traceability

Item Code	Specification
6020607	7" triangular tablet counter 304
6020607-316	7" triangular tablet counter Electro-polished 316L (TSE Compliant)
6020610	10" triangular tablet counter



105 count

Capsule Counting Tray

Designed for precision and ease of use, the Capsule Counting Tray provides a simple, hygienic and reliable solution for manually counting capsules. Manufactured from high-quality 304 grade stainless steel, this durable and reusable tray.

- Precision capsule counting capability
- Hygienic 304 grade stainless-steel construction
- Manual operation for full operator control
- Compact and practical design
- Durable and reusable design
- Flexible purchase options
- Full material traceability
- Optional certification available
- For counting capsules up to size 8mm diameter
- Capsule size 4 to OE (Not OO)

Item Code	Specification
6021100	Capsule counting tray



60 count

ProFiller 1100 Capsule Filler

The ProFiller 1100 Capsule Filler is a professional-grade capsule filling system designed to deliver fast, consistent and highly accurate capsule production.



High-Speed Capsule Production Performance

Capable of filling, orienting, separating and locking up to 3,400 capsules per hour, supporting efficient batch production and improved workflow productivity.

Processes 100 Capsules Per Cycle

Simultaneously processes 100 capsules at a time, enabling consistent output and streamlined capsule filling operations.

Patented High-Efficiency Filling Design

Innovative patented system operates up to 35% faster than comparable capsule filling equipment, reducing production time without compromising quality.

Exceptional Filling Accuracy & Reduced Product Waste

Delivers precision filling within ±1–2% of average weight using recognised USP/EP filling methods, ensuring consistent dosage accuracy and minimising material loss.

Wide Capsule Size Compatibility

Supports capsule sizes 000 to 5 and all EL capsule sizes, allowing flexible production across a wide range of formulation requirements.

ProFill 100 OE Compatibility For Small Capsule Sizes

Additional configuration available for capsule sizes AAA to D, expanding production versatility.

Tool-Free Disassembly For Efficient Maintenance

Quickly dismantles without specialist tools, simplifying cleaning, inspection and routine maintenance procedures.

Wide Range Of Accessories & Change Parts Available

Optional accessories such as powder vibrators and additional change parts enable customisation for different formulations and production requirements.

Model	Capacity (per cycle)	Max. output (per hour)	Accuracy (USP/EP method)	Change parts sizes
PROFILLER 1100	100	3400	± 1–2%	000-5, EL

ProFiller 1120 Capsule Filler

The ProFiller 1120 Capsule Filler is a high-performance capsule filling system designed for fast, accurate and repeatable capsule production.

- High-speed capsule filling performance
- Processes 120 capsules per cycle
- Patented high-efficiency filling design
- Exceptional filling accuracy and reduced product waste
- Flexible capsule size compatibility
- Hygienic 316L pharmaceutical grade stainless-steel construction
- Tool-free disassembly for fast cleaning and maintenance
- Extensive accessories and change parts availability



Model	Capacity (per cycle)	Max. output (per hour)	Accuracy (USP/EP method)	Change parts sizes
PROFILLER 1120	120	3600	± 1–2%	00-4

ProFiller 3600 Capsule Filler

The ProFiller 3600 Capsule Filler is a high-capacity manual capsule filling system designed to deliver exceptional speed, accuracy and flexibility.

- High-capacity capsule filling performance
- Processes 300 capsules per cycle
- Upgradeable from hand-held to benchtop system
- Patented high-efficiency filling design
- Exceptional filling accuracy and reduced product waste
- Flexible capsule size compatibility
- Hygienic 316L pharmaceutical grade stainless-steel construction
- Tool-free disassembly for fast cleaning and maintenance
- Optimised for controlled production environments
- Extensive accessories andnd change parts availability



Model	Capacity (per cycle)	Max. output (per hour)	Accuracy (USP/EP method)	Change parts sizes
PROFILLER 3600	300	6900	± 1–3%	000-4, EL

ProFiller 3700 Capsule Filler

The ProFiller 3700 Capsule Filler is a premium high-capacity capsule filling system designed for pharmaceutical, nutraceutical and compounding environments requiring maximum productivity, precision and flexibility.

- Ultra-high output capsule production
- Processes 300 capsules per cycle
- Patented high-speed filling technology
- Exceptional filling accuracy and reduced product waste
- Pharmacopoeia and GMP quality compliance
- Extensive capsule size compatibility
- Hygienic 316L pharmaceutical grade stainless-steel construction
- Designed for ease of use and operator efficiency
- Rapid size change capability
- Fully customisable with optional accessories



Model	Capacity (per cycle)	Max. output (per hour)	Accuracy (USP/EP method)	Change parts sizes
PROFILLER 3700	300	9000	± 1–3%	000-5, EL, AAA-D

ProFiller 3800 Capsule Filler

The ProFiller 3800 Capsule Filler is a high-performance manual capsule filling system designed for pharmaceutical, nutraceutical and compounding applications that require consistent output, exceptional dosing accuracy and regulatory compliance.

- High output capsule production
- Processes 300 capsules per cycle
- Patented high-speed filling technology
- Exceptional filling accuracy and reduced product waste
- Pharmacopoeia and GMP quality compliance
- Flexible capsule size compatibility
- Hygienic 316L pharmaceutical grade stainless-steel construction
- Designed for reliable and efficient operation
- Upgradeable and customisable system



Model	Capacity (per cycle)	Max. output (per hour)	Accuracy (USP/EP method)	Change parts sizes
PROFILLER 3800	300	9000	± 1–3%	00-4

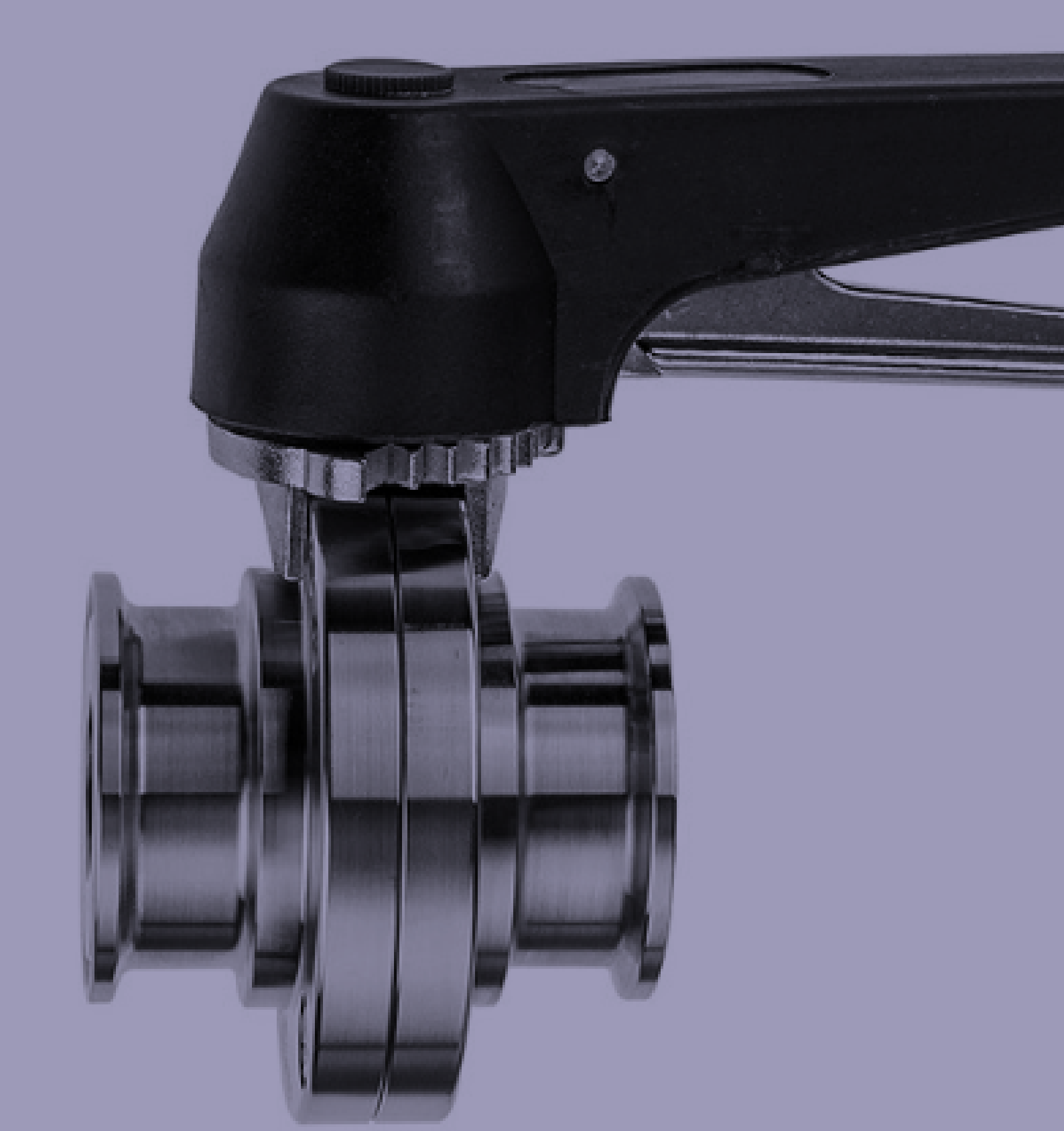
Suppository & Pessary Moulds

Suppository and Pessary Moulds provide a reliable and highly accurate solution for small batch pharmaceutical compounding and production environments.

- Highly accurate pharmaceutical dosing performance
- Choice of conical and torpedo mould designs
- Wide range of dosage and cavity options
- Durable electro deposited nickel plated brass construction
- Cost-effective reusable alternative to disposable moulds
- Environmentally responsible manufacturing solution
- Hand crafted engineering expertise
- Supports pharmaceutical compliance requirements
- Custom manufacturing and specialist technical support available



Conical Mould Item Code	Torpedo Mould Item Code	Cavities	Size (gm)
6005000	N/A	6	0.25
6005001			0.50
6005002	**6006002**		1.00
6005003	**6006003**		2.00
6005004	**6006004**		4.00
6005005	N/A		8.00
6005100		12	0.25
6005101			0.50
6005102	**6006102**		1.00
6005103	**6006103**		2.00
6005104	**6006104**		4.00
6005105	N/A		8.00
6005200		24	0.25
6005201			0.50
6005202	**6006202**		1.00
6005203	**6006203**		2.00
6005204	**6006204**		4.00
6005402	N/A	40	1.00
6005403			2.00
6005404			4.00
6005602		70	1.00
6005500		100	0.25



Tri-Clamp

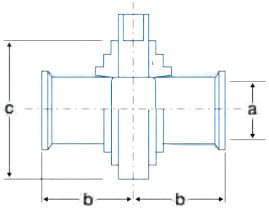
FITTINGS

Tri-Clamp Butterfly Valve

Tri-Clamp Butterfly Valves are high-performance flow control components designed for hygienic processing systems across pharmaceutical, food, cosmetic and chemical industries.



- 316L pharmaceutical grade stainless-steel construction
- 12-Position lockable handle for precise flow control
- Easy dismantling for efficient cleaning
- Hygienic design for regulated processing environments
- Multiple seal material options available
- Wide size range for system flexibility
- Durable and reusable construction
- Full material traceability available
- Fast delivery availability
- FDA compliant EPDM seal (alternative seals available)



Item Code	Nominal pipe size (in)	Flange (mm)	a (mm) Internal Diameter	b (mm)	c (mm)
BF42900100	1	50.5	22.1	33	79
BF42900112	1.5	50.5	34.8		85
BF42900200	2	64	47.5	35	105
BF42960212	2.5	77.5	60.2		112
BF42980300	3	91	72.9	38	125
BF42900400	4	119	97.4		157

Tri-Clamp Butterfly Valve Gasket Seals

Tri-Clamp Butterfly Valve Gasket Seals are precision-manufactured sealing components designed to ensure secure, leak-tight performance within hygienic pipeline systems.

- Multiple hygienic material options available – manufactured from silicone, FKM (Viton®) or EPDM materials, allowing users to select the most suitable gasket depending on chemical compatibility, temperature resistance and application requirements
- Designed specifically for butterfly valve systems
- Wide range of size compatibility
- Excellent chemical and temperature resistance
- Supports hygienic manufacturing standards
- Durable and reusable construction
- Easy installation and replacement
- Supports full material traceability
- Can be supplied as replacement gaskets for the tri-clamp butterfly valve



Tri-Clamp Heavy Duty Clamps

Tri-Clamp Heavy Duty Clamps are manufactured from 316L grade stainless steel and are designed to securely hold ferrule ends together to create a reliable, leak-tight seal in hygienic process systems.

- Heavy duty double-hinge construction
- Designed for leak-tight hygienic seals
- 316L pharmaceutical grade stainless steel
- Ideal for demanding process environments
- Wide range of standard sizes
- Additional sizes available on request

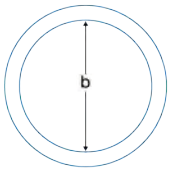


Item Code	Nominal pipe size (in)	Flange size (mm)	Pressure rating (Bar)
CL1703012	0.5	25	50Bar
CL1703012	0.75		
CL1703100	1	50.5	
CL1703100	1.5		
CL1703200	2	64	
CL1703212	2.5		
CL1703300	3	91	40Bar
CL1703400	4	119	35Bar
CL1703600	6	167	30Bar

Tri-Clamp Ferrule Gaskets

Tri-Clamp Ferrule Gaskets are designed to create a secure, hygienic seal between Tri Clamp ferrule ends when used in conjunction with Tri Clamp clamps.

- Multiple FDA-Approved material options
- BS4825-3 compliant manufacture
- Type 2 lipped gaskets as standard
- Hygienic and non-contaminating design
- Ideal for critical hygienic applications
- Full material traceability available





Silicone, FKM (Viton®) or EPDM gaskets	PTFE gaskets	Nominal pipe size (in)	Flange size (mm)	b (mm)
****1707012**	**PTFE6000.5P**	0.5	25.4	9.52
****1707034**	**PTFE6000.75P**	0.75		15.87
****1707100**	**PTFE6001P**	1	50.5	22.2
****1707112**	**PTFE6001.5P**	1.5		34.9
****1707200**	**PTFE6002P**	2	64	47.6
****1707212**	**PTFE6002.5P**	2.5	77.5	60.3
****1707300**	**PTFE6003P**	3	91	73
****1707400**	**PTFE6004P**	4	119	97.6
****1707600**	**PTFE6006P**	6	167	150

*In the item codes shown replace ** with:*

***SS** for silicone gaskets*

***VI** for FKM (Viton®) gaskets*

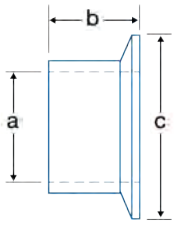
***ES** for EPDM gaskets.*

Tri-Clamp Ferrule Ends

Tri-Clamp Ferrule Ends are precision-engineered hygienic fittings designed to create secure and reliable Tri-Clamp connections within pharmaceutical, food, beverage and chemical processing systems.

- 316L pharmaceutical grade stainless-steel construction
- Supplied polished and ready for welding
- BS4825 part 3 compliant
- Hygienic crevice-free surfaces
- Exceptional surface finish quality
- Wide range of standard pipe sizes
- Multiple ferrule length options
- Full material traceability available





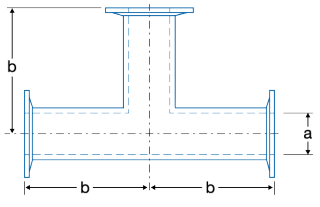
Item Code	Nominal pipe size (in)	a (in)	b (mm)	c (mm)
TRS1722012	0.5	9.5	21.5	25
TRM1722012			28	
TRL1722012			44.5	
TRS1722034	0.75	15.85	21.5	25
TRM1722034			28	
TRL1722034			44.5	
TRS1722100	1	22.2	21.5	50.5
TRM1722100			28	
TRL1722100			44.5	
TRS1722112	1.5	34.9	21.5	50.5
TRM1722112			28	
TRL1722112			44.5	
TRS1722200	2	47.6	21.5	64
TRM1722200			28	
TRS1722212	2.5	60.3	21.5	77.5
TRM1722212			28	
TRS1712300	3	73	21.5	91
TRM1712300			28	
TRS1722400	4	97.6	21.5	119
TRM1722400			28	
TRM1722600	6	150	28	167

Tri-Clamp Equal Tees

Tri-Clamp Equal Tees are designed to provide reliable three-way flow distribution within hygienic process systems.

- 316L pharmaceutical grade stainless-steel construction
- Hygienic polished internal surfaces
- Three-way equal flow distribution
- Supplied with tri-clamp ferrule ends
- Exceptional surface finish quality
- Wide range of standard sizes available
- Full material traceability available
- X-ray material verification available





Item Code	Nominal pipe size (in)	a (mm)	b (mm)
TEE61	1	25.4	65.5
TEE61.5	1.5	38.1	85.5
TEE62	2	50.8	110.5
TEE62.5	2.5	63.5	135.5
TEE63	3	76.1	155.5
TEE64	4	101.6	195.5

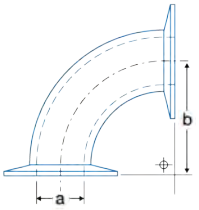
Tri-Clamp Elbows

Tri-Clamp Elbows are precision-manufactured components designed to provide reliable 90° directional flow changes within hygienic pipeline systems.



- 316L pharmaceutical grade stainless-steel construction
- Hygienic internal surface design
- Reliable 90° flow direction control
- Supplied with welded tri-clamp ferrule ends
- Wide range of standard sizes available
- Durable and reusable construction
- Full material traceability available
- Fast delivery availability

Item Code	Nominal pipe size (in)	a (mm)	b (mm)
BN22117012	0.5	9.4	41.2
BN22117034	0.75	15.75	
BN22117100	1	22.1	50.8
BN22117150	1.5	34.8	69.9
BN2117200	2	47.5	88.9
BN2117250	2.5	60.2	108
BN2117300	3	72.9	127
BN2117400	4	97.38	168.2



Tri-Clamp Concentric Reducers

Tri-Clamp Concentric Reducers are precision-engineered components designed to connect different pipe sizes within hygienic processing systems.



- 316L pharmaceutical grade stainless-steel construction
- Designed for hygienic processing systems
- Smooth size transition for pipeline flexibility
- High quality surface finish
- Supplied with welded tri-clamp ferrule ends
- Wide range of standard size combinations available
- Durable and reusable construction
- Full material traceability available
- Fast delivery availability

Item Code	Nominal size (in)
COR61-0.5	1 x 0.5
COR61-0.75	1 x 0.75
COR61.5-0.5	1.5 x 0.5
COR61.5-0.75	1.5 x 0.75
COR61.5-1	1.5 × 1
COR62-0.5	2 x 0.5
COR62-0.75	2 x 0.75

Item Code	Nominal size (in)
COR62-1	2 × 1
COR62-1.5	2 × 1.5
COR62.5-1	2.5 × 1
COR62.5-1.5	2.5 × 1.5
COR62.5-2	2.5 × 2
COR63-1	3 × 1
COR63-1.5	3 × 1.5

Item Code	Nominal size (in)
COR63-2	3 × 2
COR63-2.5	3 × 2.5
COR64-1	4 × 1
COR64-1.5	4 × 1.5
COR64-2	4 × 2
COR64-2.5	4 × 2.5
COR64-3	4 × 3

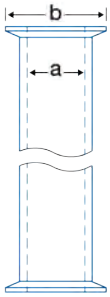
Tri-Clamp Straight Pipes

Tri-Clamp Straight Pipes are manufactured from 316L pharmaceutical grade stainless steel and are designed for hygienic product transfer within clean processing environments.

- 316L pharmaceutical grade stainless-steel construction
- Crevice and pit-free hygienic interior
- Polished surface finish throughout
- Designed for tri-clamp connection systems
- Improved resistance to chlorides and cleaning chemicals
- Supports consistent product flow
- Suitable for regulated processing industries
- Full material traceability available



Item Code	Nominal pipe size (in)	a (mm)	b (mm)
STR60.5-***	0.5	9.5	25
STR60.75-***	0.75	15.85	
STR61-***	1	22.2	50.5
STR61.5-***	1.5	34.9	
STR62-***	2	47.6	64
STR62.5-***	2.5	60.3	77.5
STR63-***	3	73	91
STR64-***	4	97.6	119



*Note: In the item code replace *** with the required length of pipe. in mm*

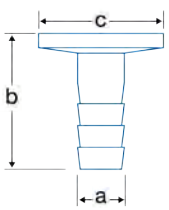
Tri-Clamp Hose Tail Connectors

Tri-Clamp Hose Tail Connectors are manufactured from 316L pharmaceutical grade stainless steel and are designed to provide a secure, hygienic connection between Tri-Clamp fittings and flexible hoses.

- Secure connection between pipework and flexible hose
- 316L pharmaceutical grade stainless-steel construction
- Enhanced chloride resistance
- Crevice and pit-free hygienic interior
- Polished surface finish for easy cleaning
- Quick assembly and disassembly
- Supports regulated industry compliance
- Full material traceability available



Item Code	Nominal pipe size (in)	a (in)	b (mm)	c (mm)
HTC21772012	0.5	12.7	32	25
HTC21772034	0.75	19		
HTC21772100	1	26	40	50.5
HTC21772150	1.5	38.1		
HTC21772200	2	50.8	60	60
HTC21772250	2.5	63.5		77.5
HTC21772300	3	76.2		91



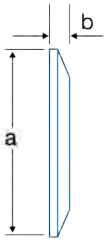
Tri-Clamp Blank Caps

Tri-Clamp Blank Caps are precision-manufactured sealing components designed to securely blank off ferrule ends within hygienic pipeline systems.



- Manufactured to bs4825 hygienic standards
- Pharmaceutical-grade 316L stainless-steel construction
- Designed for secure ferrule end sealing
- Crevice-free and pit-free polished surfaces
- Wide range of standard size options
- Durable and fully reusable construction
- Full material traceability available

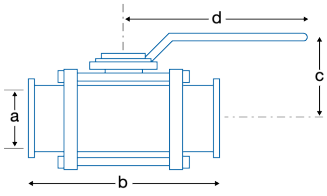
Item Code	Nominal pipe size (in)	a (mm)	b (mm)
B21732012	0.5	25	5.6
B21732012	0.75		
B21732100	1	50.5	7
B21732100	1.5		
B21732200	2	64	
B21732212	2.5	77.5	
B21732300	3	91	
B21732400	4	119	9
B21732600	6	167	10



Tri-Clamp Ball Valves

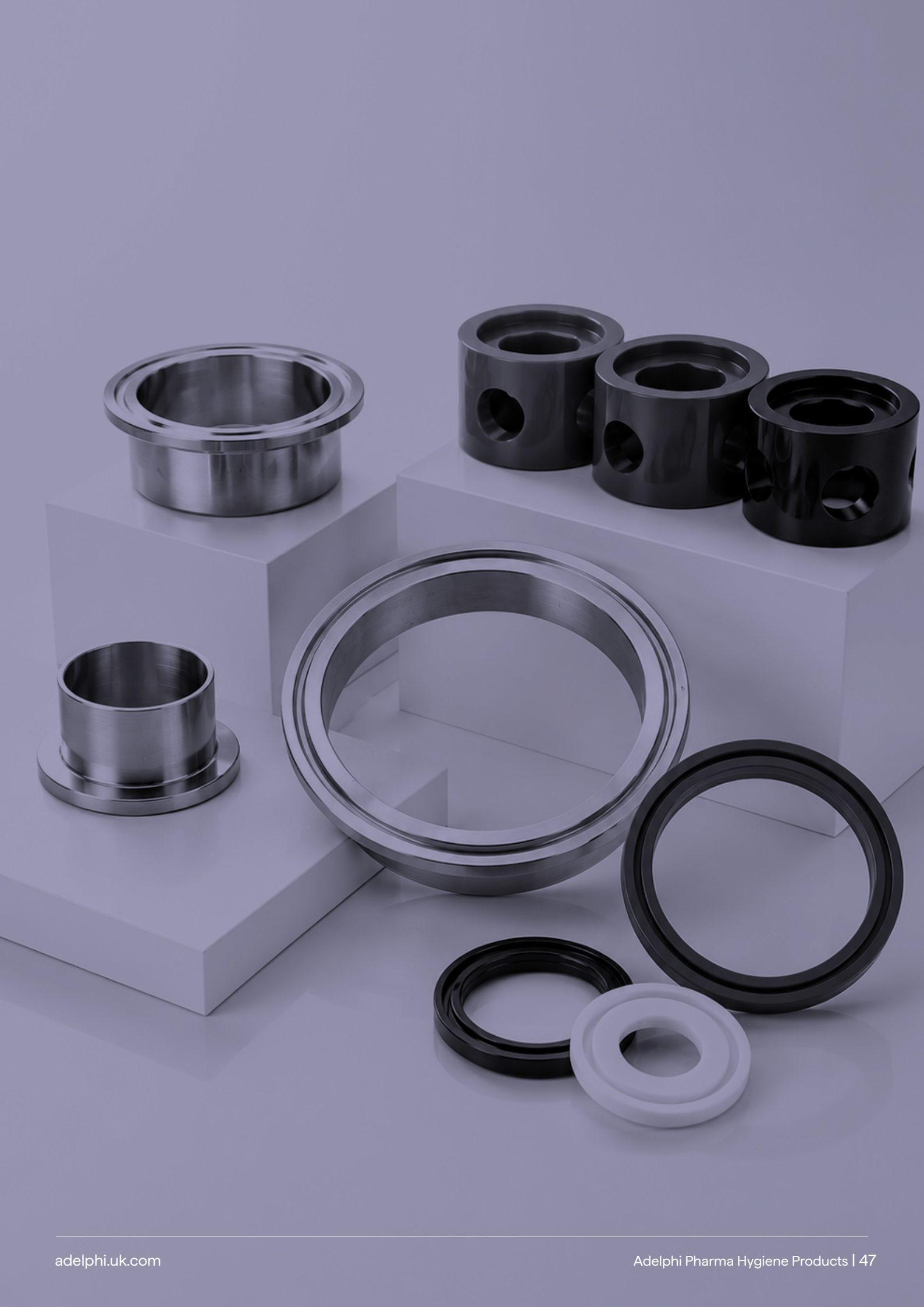
Tri-Clamp Ball Valves are precision-engineered flow control components designed for hygienic processing environments across pharmaceutical, food, cosmetic and chemical manufacturing industries.

- Pharmaceutical-grade stainless-steel construction
- Precision PTFE seal and stem seal for leak-free operation
- 100% Pressure tested for maximum reliability
- Superior hygienic design for contamination control
- Quick assembly tri-clamp connection system
- Wide range of size options for process flexibility
- High surface finish for product purity
- Multiple gasket material options
- Full material traceability and certification availability





Item Code	Nominal pipe size (in)	Flange (mm)	a (mm) Internal	b (mm)	c (mm)	d (mm)
BVAL0.5	0.5	25	9.5	89.5	55	132
BVAL0.75	0.75		15.9	102	60	
BAL61	1	50.5	22.2	157	70	135
BAL61.5	1.5		35	183	89	182
BAL62	2	64	47.6	195	97	
BAL62.5	2.5	77.5	60.3	197	140	263
BAL63	3	91	73	229	152	
BAL64	4	119	97.4	243.4	184	285





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.

Pharma Hygiene Products

Pharma Hygiene Products is a leading supplier of high quality stainless steel process equipment, from standard utensils and containers, to custom designed mixing vessels to suit a number of manufacturing industries. All are made to pharmaceutical standards in 304 and 316L grade stainless steel.

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Adelphi Manufacturing

Adelphi Manufacturing offers manual and semiautomatic 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.

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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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Adelphi Coldstream Engineering

Reliable precision engineering, delivered with accuracy, consistency and care. Coldstream Engineering manufactures high-quality machined components for demanding industries, backed by experienced engineers and the strength of the Adelphi Group.

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Adelphi Healthcare Packaging

Suppliers of a comprehensive range of glass, plastic and aluminium containers, high precision dispensing systems, various closures including stoppers, crimp seals and screw caps as well as a range of boxes, held in stock ready for immediate dispatch worldwide.

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