



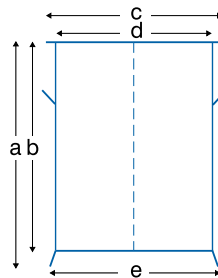
# STORAGE AND TRANSPORT VESSELS

Adelphi offers a wide range of standard storage and transport vessels, from small bowls, churns and pails to large 200 litre vessels.

## Mixing and storage vessels

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

Please also see our **Custom Vessels** data sheet for more bespoke solutions.



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.

**Options:** (see key to symbols on pp 7-8)

## Mobile frames

Manufactured from 304 grade stainless steel, these mobile frames are ideal for moving our mixing and storage vessels smoothly and safely, without lifting or carrying. Supplied with four castors, two with brakes, they are available with straight or angled locating flanges.

**Note:** In the data table, replace \* with P if a straight flange is required, or with F if angled flange is required.



Item code	Suit vessel capacity (litres)
FRA4020*	20
FRA4025*	25
FRA4030*	30
FRA4050*	50
FRA4075*	75
FRA4100*	100
FRA4150*	150
FRA4200*	200

## Cans with lids

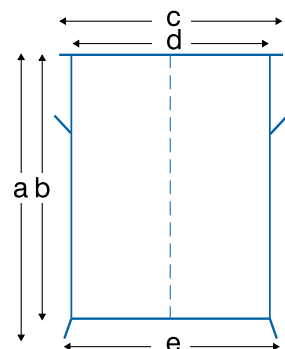
Manufactured from either 304 or 316L grade stainless steel, these cans come complete with lids and swing handles. They have crevice- and pit-free interiors and are polished throughout.

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

**Options:**



(see key to symbols on pp 7–8)



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*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

## Churns

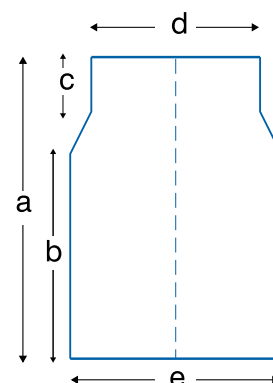
### (A) Chemical churns

Manufactured from 316L grade stainless steel, these churns are specially designed for the storage and transportation of antibiotics and chemicals. They come complete with side carrying handles, skirtband and lid (secured by toggle clamps and a seal). They have crevice- and pit-free interiors and are polished throughout.



**A** Chemical churns      **C** Churns with side handles  
**B** Churns with swing handles      **D** Churns with spout

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



## (B) Churns with swing handles

Manufactured from 304 grade stainless steel, these churns come complete with a swing handle, skirtband and lid. They have crevice- and pit-free interiors and are polished throughout.

Item code	Capacity (litres)	a	b	c	d	e	Skirt	Handle	Weight (kg)
CHU4003P	3	215	150	40	120	155	NO	SWING	0.9
CHU4005P	5	265	190	40	140	175	NO	SWING	1.3
CHU4008P	8	280	200	40	160	225	YES	SWING	2.4
CHU4010P	10	330	250	40	160	225	YES	SWING	2.7
CHU4015P	15	370	280	50	200	275	YES	SWING	3.7
CHU4020P	20	420	330	50	200	275	YES	SWING	4.1

## (C) Churns with side handles

Manufactured from 304 grade stainless steel, these churns come complete with side carrying handles, skirtband and lid. They have crevice- and pit-free interiors and are polished throughout. On the 40 and 50 litre versions the lid is attached with a chain.

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

## (D) Churns with spout

Manufactured from 304 grade stainless steel, these churns come complete with swing handle, bottom steadying handle, skirtband, pouring spout and lid. They have crevice- and pit-free interiors and are polished throughout.

Item code	Capacity (litres)	a	b	c	d	e	Skirt	Handle	Weight (kg)
CHU4005S	5	265	190	40	140	175	YES	SWING	1.6
CHU4008S	8	280	200	40	160	225	YES	SWING	2.4
CHU4010S	10	330	250	40	160	225	YES	SWING	2.7
CHU4015S	15	370	280	40	200	275	YES	SWING	3.7
CHU4020S	20	420	330	50	200	275	YES	SWING	4.1

### Options (all churns):



(see key to symbols on pp 7-8)

## Buckets and pails

### (A) Buckets

Manufactured from 304 grade 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 buckets  
C Pails  
D Buckets with spouts

Item code	Capacity (litres)	a	b	c	Skirt	Handle	Grad.	Weight (Kg)	Lid Code	Lid Weight (kg)
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
BUC4015G	15	325	202	340	YES	SWING	2-15/1	1.8	BUL4015P	0.6

### (B) Heavy duty buckets

Manufactured from 304 grade stainless steel, these buckets are specially designed for all heavy duty applications. They come complete with a skirtband and swing handle, and are

graduated. They have crevice- and pit-free interiors and are 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

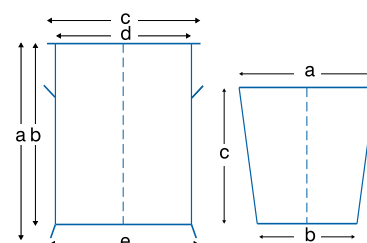
skirtband. They have crevice- and pit-free interiors and are polished throughout. Lids that are extended to cover the spout are available as an option.

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 6 if 316L grade is required.

Options (all buckets and pails):

E 10 100 No. T (see key to symbols on pp 7-8)



## Containers and 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	150	60	60	140	COL4060P	30
COC4084P	250	85	50	175	COL4085P	60
COC4085P	400	85	85	200	COL4085P	60
COC4099P	300	100	50	200	COL4100P	75
COC4100P	700	100	100	225	COL4100P	75
COC4101P	1000	100	150	250	COL4100P	75
COC4102P	1300	100	200	300	COL4100P	75
COC4120P	1200	120	120	535	COL4120P	90
COC4150P	2500	150	150	805	COL4150P	150

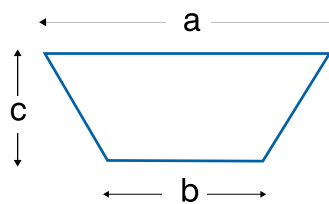
Options: **E** (see key to symbols on pp 7–8)

## Bowls and basins

### (A) Bowls

Manufactured from 304 grade stainless steel, these bowls are pressed in one piece with a flat base and flat rim for ease of carrying. They are crevice- and pit-free and polished throughout.

Item code	Capacity (litres)	a	b	c	Weight (gm)
BOW40.1P	0.1	70	40	50	25
BOW40.2P	0.2	100	60	50	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	95	90	140
BOW41.5P	1.5	200	115	95	190
BOW4002P	2	220	110	120	240
BOW42.5P	2.5	235	145	100	320
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	195	180	710
BOW4011P	11	395	210	180	950
BOW4014P	14	410	210	195	1030



- A** Bowls
- B** Wash basins
- C** Lotion bowls
- D** Low bowls
- E** Low conical bowls

### (B) Wash basins

Manufactured from 304 grade stainless steel, these wash basins are supplied in one piece with a flat base and a rolled lip. They are crevice- and pit-free and polished throughout.

Item code	Capacity (litres)	a	b	c	Weight (gm)
WAB4260P	3	260	160	85	390
WAB4320P	4	320	175	85	510
WAB4320P	4	320	175	85	510



## (C) Lotion bowls

Manufactured from 304 grade stainless steel, these lotion bowls are supplied with a rolled top edge and flat base. They are crevice- and pit-free and polished throughout.

Item code	Capacity (litres)	a	b	c	Weight (gm)
LOB4120P	0.3	120	60	55	115
LOB4140P	0.5	140	70	65	155
LOB4180P	1	180	90	75	260
LOB4200P	1.5	200	100	80	290
LOB4220P	2	220	120	85	325
LOB4240P	3.5	240	95	110	400

## (D) Low bowls

Manufactured from 304 grade stainless steel, these bowls are pressed in one piece. They are crevice- and pit-free and polished throughout.

Item code	Capacity (litres)	a	b	c	Weight (gm)
AFB40.4P	0.4	160	210	50	200
AFB4.75P	0.75	160	225	75	300

## E) Low conical bowls

Manufactured from 304 grade stainless steel, these bowls are made in one piece with a flat base and flat rim for ease of carrying. They are crevice- and pit-free and polished throughout.

Item code	Capacity (litres)	a	b	c	Weight (gm)
BOW41.5L	1.5	220	155	65	250
BOW4003L	3	275	200	75	400

## Trays

### (A) Shallow trays

Manufactured from 304 grade stainless steel with several sizes available in 316L grade, these trays are supplied in one piece, with radiused corners. They are crevice- and pit-free, polished throughout, and have a rim approximately 10 mm wide.

Item code	Length (mm)	Width (mm)	Depth (mm)	Weight (gm)
TRA4230S	230	162	10	240
TRA4245S	245	170	10	300
TRA*290S	290	210	10	425
TRA*415S	415	240	10	690
TRA4440S	440	330	10	945
TRA4530S	530	325	10	1150

### (B) Trays with extra wide rim

This tray is generally as above but has a rim 25 mm wide.

Item code	Length (mm)	Width (mm)	Depth (mm)	Weight (gm)
TRA4450S	450	310	10	960

**Note:** In the data tables replace \* with 4 if 304 grade is required, or with 6 if 316L grade is required.



A Shallow trays  
B Trays with extra wide rim  
C Deep trays

### (C) Deep trays

Manufactured from 304 grade stainless steel with several sizes available in 316L grade, these trays are supplied in one piece, with radiused corners. They are crevice- and pit-free and polished throughout.

Item code	Length (mm)	Width (mm)	Depth (mm)	Weight (gm)
TRA*220D	220	150	45	310
TRA*355D	355	250	55	830
TRA*395D	395	280	70	1000
TRA*475D	475	315	90	1315
TRA4530D	530	325	100	2050
TRA4531D	530	325	150	2375

**Options (all trays):** E  (see key to symbols on pp 7–8)

## Seals

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

Nitrile	Viton	Silicone
Normally supplied in black	Normally supplied in black	Available in white and red
Excellent oil and fat resistance	Excellent chemical resistance	Heat resistance up to +250°C
Good hot oil resistance	Excellent temperature range (-30°C to +240°C)	Retains flexibility in extremely low temperatures
Good mechanical properties	Excellent recovery characteristics	Excellent weather resistance
Good acid and alkali resistance	Good mechanical strength	Excellent electrical resistivity
Moderate weather resistance	Unaffected by weathering	Moderate fuel resistance
Moderate elasticity	Non toxic within temperature range	Moderate oil and fat resistance
		Poor mechanical properties

**Notes:** 1. To order seals please specify the seal type, container type and container capacity in litres.  
 2. For 'Mixing and storage vessels' use V. For 'Cans with lids' use C. For 'Pails' use P. For example: **Nitrile V50** = Nitrile seal for 50 litre vessel. **Silicone C6** = Silicone seal for 6 litre can with lid. **Viton P10** = Viton seal for 10 litre pail.

## Valves, hose connectors and bibs

We can fit a variety of valves to our containers. All contact parts are made from 316L grade stainless steel. Other sizes and types of fittings are available to special order.

Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/2"	2"
Ball valve (fitted with back-nut)	TAP6.25P	TAP6.38P	TAP6.50P	TAP6.75P	TAP6001P	TAP61.5P	TAP6002P
Hose Connector	HTC6.25P	HTC6.38P	HTC6.50P	HTC6.75P	HTC6001P	HTC61.5P	HTC6002P
Bib	BIB6.25P	BIB6.38P	BIB6.50P	BIB6.75P	BIB6001P	BIB61.5P	BIB6002P

Size	1"	1 1/2"	2"	2 1/2"	3"	4"
Butterfly Valve	BVA6001P	BVA61.5P	BVA6002P	BVA62.5P	BVA6003P	BVA6004P

**Note:** Butterfly valves include the valve, triclamp fittings, ferrule welded to container, clamp and EPDM or silicone seal.

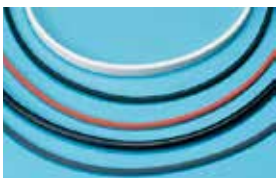
## Optional modifications



**T**

### Toggle clamps.

To secure lids. When used with O-ring seals, can provide a spillproof and airtight seal.



**S**

### Seals.

Used in conjunction with toggle clamps to create a spillproof and airtight seal (see above).



**R**

### Skirtband.

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



**O**

### Hole in lid.

To provide access for tubes, probes, mixer shafts, etc. A 25mm hole with swing-aside cover is available as standard. Other sizes and positions available to special order.



▶10

**Graduations.**

Can be added to items not graduated as standard. Stamped from the outside to maintain crevice- and pit-free interior. (Note: these graduations are normally accurate to ±3%).



No.

**Material certificate.**

For 316L grade products the material certificate number is usually etched into the exterior to demonstrate conformity and to provide complete traceability.



E

**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.




**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.




**Butterfly valves.**

316L grade. Available in a variety of sizes (see details on previous page).




**Ball valves.**

316L grade. Available in a variety of sizes (see details on previous page).




**Bibs.**

316L grade. Available to add to ball valves (see above).




**Hose connectors.**

316L grade. Available to add to ball valves (see details on previous page).




**Pouring spout.**

To aid pouring, spouts can be added to our standard vessels and cans. If a lid is required, this can be extended to cover the spout. With the addition of a pouring spout, a bottom steadying handle is recommended.




**Handles.**

Swing and side handles can be added or removed from standard items to suit.