



Adelphi Healthcare Packaging
Primary Packaging Specialists

adding our
personal touch



We're here to help!

Our years of experience ensure a highly competent, creative and customer-focused service, whatever the size and the nature of your requirement.

Whether you require advice on what packaging to specify from day one, or just want to meet up for a chat about how your business is progressing and how we can assist you with its further growth, we are always happy to drop by.

We enjoy a challenge

Whilst we are principally a stockist of primary packaging, we also have other strings to our bow... as experts in our field (which is your field) we welcome hearing about your projects as well as helping you solve any issues you may be encountering. Our aim is to provide solutions that satisfy your needs, whether direct from stock or through our extensive knowledge of the marketplace.

We keep you informed

We like to keep pace with the consistently evolving market place and also to keep you up-to-date through introducing you to the latest developments in both existing technologies and innovative systems that can help you stand out within your industry.

We are honest

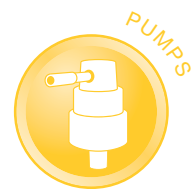
Sounds like everyone would say that wouldn't they? Well, not always. If we can help and have a product that is just right for you we will tell you. If there are any compromises, we will discuss them with you, and if there is a more suitable solution someone else has available, we will happily send you to the people who are best placed to help. This openness is because we can only develop a long term relationship based on trust. Trust that we are always working in your best interests.

We stick around

Our customers are our livelihood and so we make sure that you are continually satisfied! We need you and we're not embarrassed to say that. We go out of our way to make sure you get what you need because a long and healthy business relationship means successful business for both of us.

You are the reason why we are successful and we like to think that we have a part in your success too!

We are happy to provide you with references



What do we do?

Here at Adelphi Healthcare Packaging we've been supplying and supporting the Pharmaceutical, R&D, Biotech, Cosmetic, Veterinary and associated industries since 1970.

Our wealth of knowledge has proved essential to the success of many of our customers' projects, as has our stock holding and flexible delivery terms. From our stock range we aim to deliver your order within 48hrs and are able to supply anything from individual pack sizes up to millions of units!

Our partners and suppliers are some of world's leading pharmaceutical container, closure and dispensing systems manufacturers, and as their UK and European representatives we invariably act as the catalyst between you and the manufacturer to ensure that the quality of the product and it's suitability for purpose is only rivalled by the quality of our service.

Our deep rooted history in the industry, and our partnerships with leading global manufacturers, means that you can be confident in our ability to fulfil your needs.

**Knowledge, Quality, Service,
Expertise, Availability – the
Adelphi difference!**



All your primary packaging needs satisfied consistently from one supplier

With our technical guidance and quality products available directly from stock, with the appropriate documentation and certificates sent as standard, we can help to ensure you don't run into any hurdles whilst bringing your product to market... and with our expert knowledge we can help you get it there faster too!

Closures

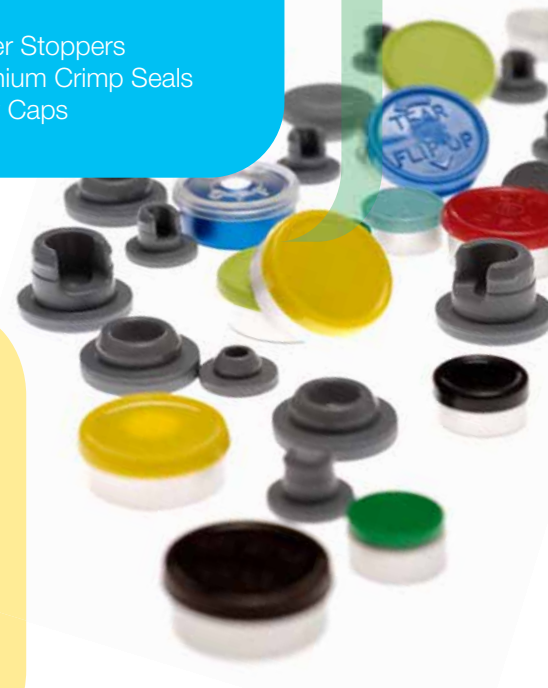
- Rubber Stoppers
- Aluminium Crimp Seals
- Screw Caps

Containers

- Glass Vials
- Collapsible Tubes
- Plastic Bottles
- Ampoules
- Glass Bottles

Dispensing Systems

- Pre-fillable Syringes
- Oral Dosing Pipettes
- Pumps
- Dropper Systems
- Transfer & Reconstitution Systems





Injection Vials / Freeze Drying Vials

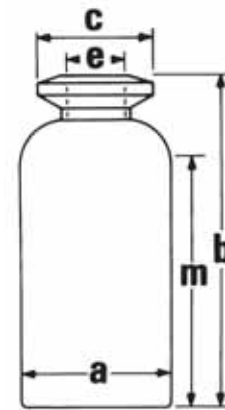
Tubular Type I Glass Vials

Tubular glass vials are manufactured by SCHOTT forma vitrum from SCHOTT Fiolax® Neutral Type I glass tubing. Vials can be manufactured to your precise specification for viable production runs.

Clear Vials

Ref	Size	Brimful	a	b	c	e	m
VC002-13C	2ml	3.8ml	14.25	39.5	13	7.0	26
VCDIN2R	2ml	4ml	16.0	35.0	13	7.0	22
VCDIN4R	4ml	6ml	16.0	45.0	13	7.0	32
VC005-20C	5ml	9.7ml	22.25	38.0	20	12.75	24.5
VCDIN6R	6ml	10ml	22.0	40.0	20	12.6	27
VCDIN8R	8ml	11.5ml	22.0	45.0	20	12.6	32
VC010-20C	10ml	14ml	24.25	46.0	20	12.75	32
VCDIN10R	10ml	13.5ml	24.0	45.0	20	12.6	31
VCDIN15R	15ml	19ml	24.0	60.0	20	12.6	46
VC020-20C	20ml	26.5ml	29.25	56.0	20	12.75	38
VCDIN20R	20ml	26ml	30.0	55.0	20	12.6	35
VCDIN30R	30ml	37.5ml	30.0	75.0	20	12.6	55
VCT050-20C	50ml	65ml	42.5	68.0	20	12.6	42

SCHOTT
forma vitrum



Amber Vials

Ref	Size	Brimful	a	b	c	e	m
VADIN2R	2ml	4ml	16.0	35.0	13	7.0	22
VADIN6R	6ml	10ml	22.0	40.0	20	12.6	27
VADIN10R	10ml	13.5ml	24.0	45.0	20	12.6	31
VADIN20R	20ml	26ml	30.0	55.0	20	12.6	35



Dimensions in "mm" for reference purposes only. Capacities nominal.

'DIN' vials conforming to ISO 8362-1.

Moulded Type I Glass Vials

Moulded Type I Glass Injection/Freeze Drying Vials, ISO 8362-4

Clear & Amber Vials

Ref	Size	Brimful	a	b	c	e	m
V*010-20C	10ml	15ml	25.4	53.5	20	12.6	35.3
V*020-20C	20ml	26ml	32.0	58.0	20	12.6	36.1
V*030-20C	30ml	38ml	36.0	62.8	20	12.6	41.3
V*050-20C	50ml	60ml	42.5	73.0	20	12.6	46.0
V*100-20C	100ml	119ml	51.6	94.5	20	12.6	58.0
VC200-20C	200ml	246ml	65.0	114.5	20	12.6	76.0



Dimensions in "mm" for reference purposes only. Capacities nominal.

* Available in Clear C or Amber A glass



Rubber Stoppers

Adelphi stock rubber stoppers manufactured by West Pharmaceutical Services including injection stoppers and lyophilisation stoppers to suit 13mm, 20mm and 32mm necked vials and bottles.

Rubber stoppers

A	INJW13RtS	13mm injection, 4023/50 Grey, Bromobutyl
B	INJW20RtS	20mm injection, 4023/50 Grey, Bromobutyl
C	INJW20S	20mm Silicone, 8763/40 Transparent
D	INJ20WC	20mm injection, 4601/45 White, Chlorobutyl
E	FDW13	13mm lyophilisation, igloo, 4023/50 Grey, Bromobutyl
F	FDW20RtS	20mm lyophilisation, igloo, 4023/50 Grey, Bromobutyl
G	FDIA20/1612	20mm lyophilisation, cruciform, W1816 Grey, Bromobutyl
H	INJW32G2RTS	32mm infusion, 4023/50 Grey, Bromobutyl



'New Generation' Flurotec® Rubber Stoppers

A	INJ13TB3WRS	13 mm injection Flurotec®, Daikyo fluoro resin D, B2-40, Westar® RS	4023/50 Bromobutyl grey
B	INJ20TB3WRS	20 mm injection Flurotec®, Daikyo fluoro resin D, B2-40, Westar® RS	4023/50 Bromobutyl grey
C	FD13TT3WRS	13 mm lyophilisation Flurotec®, Daikyo fluoro resin D (top and bottom), Westar® RS	4023/50 Bromobutyl grey
D	FD20TT3WRS	20 mm lyophilisation Flurotec®, Daikyo fluoro resin D (top and bottom), Westar® RS	4023/50 Bromobutyl grey

Flurotec® Rubber Stoppers

E	INJ13TBWRS	13 mm injection, Flurotec Plus®, B2-40, Westar® RS	4110/40 Chlorobutyl grey
F	INJ20TBWRS	20 mm injection, Flurotec Plus®, B2-40, Westar® RS	4110/40 Chlorobutyl grey
G	FD13TBrtS	13 mm lyophilisation, Flurotec®, Daikyo fluoro resin D, B2-40, RTS™	D713 Butyl grey
H	FD20TBrtS	20 mm lyophilisation, Flurotec®, Daikyo fluoro resin D, B2-40, RTS™	D713 Butyl grey

Flurotec® is a fluorocarbon film applied to stoppers to reduce sorption of the drug product, a significant benefit for maintaining the full strength and shelf-life of high potency/low concentration biotech drug products.



Using a stopper with Flurotec® barrier film can reduce the risk of loss caused when active ingredients, preservatives, stabilisers and buffer systems extracting materials from the elastomer, resulting in aggregation and drug degradation that can cause protein unfolding.

West **Ready to Sterilise** (RTS™) and **Westar® RS** (FDA validated process) components undergo a final rinse in WFI and are packed in an ISO class 5 cleanroom into a **STERILIZABLEBAG™**.

B2-40 coating is a cross-linked silicone coating applied to the top surface of the rubber stopper. The B2-40 coating provides excellent machineability whilst minimising the transfer of silicone oil into drug solutions.





Aluminium Seals

Aluminium Seals

Aluminium crimp seals manufactured by West Pharmaceutical Services –
Sizes: 13mm, 20mm and 32mm. Various aluminium and plastic colours available.

Also available West CCS® – Clean, Certified, Sterilised seals which are certified with regard to bioburden and cleanliness and are designed to be used in a sterile manufacturing environment.



Ref	Description
A	CEHW13 13mm Centre Hole
B	CEHW20 20mm Centre Hole
C	CETW13 13mm Centre Tear Off
D	CETW20 20mm Centre Tear Off
E	COTW13 13mm Complete Tear Off
F	COTW20 20mm Complete Tear Off
G	FOT13 13mm Flip Off
H	FOT20 20mm Flip Off
I	FT13 13mm Flip Top
J	FT20 20mm Flip Top
K	FTU13 13mm Flip Tear Up
L	FTU20 20mm Flip Tear Up
M	FOTO20 20mm Flip Off Tear Off
N	COT20HT 20mm Complete Tear Off, 2 parts
O	FTR32 32mm FTR Flip Tear Recycle



Seal Terminology



Centre Hole (A,B)

An aluminium shell with the central target area exposed.



Centre Tear Off (C,D)

A seal with a bridged Tear Out tab protecting the target area that must be removed to expose the injection site.



Complete Tear Off (E,F)

An all-aluminium seal with a Tear Out tab that allows the complete removal of the closure prior to or after use.



Flip Off Seal (G,H)

A seal with a plastic Flip Off button that must be activated to expose the injection site.



Flip Top Seal (I,J)

A seal that is similar in function to the Flip Off seal with a recycling advantage: the aluminium ring does not remain with the plastic button after the button has been activated.



Flip Tear Up Seal (K,L)

A seal with a plastic button attached to help facilitate the activation and complete removal of the seal from the container.



Flip Off Tear Off Seal (FTR) (M,O)

A seal combining the features of the Flip Off seal with the complete removability of the Tear Off seal.



Complete Tear Off, 2 parts (N)

An all aluminium seal with a hemmed tab that once removed reveals an aluminium disk which covers the entire surface of the stopper, offering greater protection from stopper contamination.



Diagnostic Vials & Closure Systems

Clear and amber neutral Type I glass vials manufactured by SCHOTT forma vitrum from SCHOTT Fiolax® Neutral Type I glass tubing. Vials can be manufactured to your precise specifications for viable production runs.

Tubular Type I Glass Vials

Clear Vials

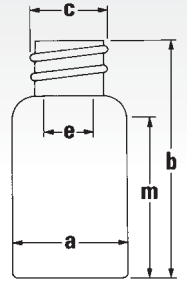
Ref	Size	a	b	c	e	m
VCD003	3ml	18.0	36.0	14	8.6	22.3
VCD005	5ml	18.0	41.5	14	8.6	27.7
F-3059	7ml	22.0	40.0	18	11.5	23.7
VCD010	10ml	23.75	48.0	18	11.5	30.6

Amber Vials

Ref	Size	a	b	c	e	m
VAD003	3ml	18.0	36.0	14	8.6	22.3
VAD005	5ml	18.0	41.5	14	8.6	27.7
VA007S18	7ml	22.0	40.0	18	11.6	23.2
VADDIN010	10ml	24.0	45.0	18	11.5	29.0

Dimensions in "mm" for reference purposes only. Capacities nominal.

SCHOTT
forma vitrum



Rubber Stoppers

Ref	Description
A SDIA14	14mm DIN plug, PH701/40 Wine Red, Chlorobutyl
B FDIA14WG/B	14mm DIN lyophilisation, W1816 Grey, Bromobutyl
C SDIA18RTS	18mm DIN plug, PH701/40 Wine Red, Chlorobutyl
D FDIA18W/B	18mm DIN lyophilisation, PH701/40 Wine Red, Chlorobutyl
E SDIA22	22mm DIN plug, PH701/40 Wine Red, Chlorobutyl
F FDIA22	22mm DIN lyophilisation, PH701/40 Wine Red, Chlorobutyl



Screw Caps

A wide range of screw caps in a large variety of colours available directly from stock.

Type	Description
A GL14 smooth	Unwadded, plug seal
B GL14 8 ribbed	Unwadded, plug seal, EPE wadded, PTFE wadded
C GL18	Unwadded, plug seal, EPE wadded, PTFE wadded
D GL22	Unwadded, plug seal, EPE wadded, PTFE wadded

Materials: Polypropylene, High Density Polyethylene,

Pocan (PBT high heat resistance),

Colours: Many colours such as red, blue, yellow, green, black, purple, orange and brown are stocked.

Please check availability.



SCHOTT
forma vitrum





Ampoules / Ampoule Boxes

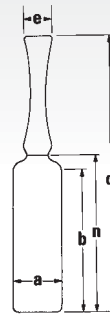
Open and closed ampoules manufactured by SCHOTT forma vitrum according to ISO9187-1:2000. Manufactured from SCHOTT Fiolax® Neutral Type I glass tubing, with Colourbreak or OPC (One Point Cut) for easy opening. Ampoules can be printed and manufactured to your precise specification for viable production runs.

Open Type I Glass Ampoules

* C = Clear glass A = Amber glass

Ref	Size	*	a	b	d	e	n
AIO*001	1ml	C/A	10.75	21.0	60.0	8.0	25.5
AIO*002	2ml	C/A	10.75	33.0	72.0	8.0	37.5
AIO*005	5ml	C/A	14.75	41.0	83.0	9.0	46.5
AIO*010	10ml	C/A	17.75	55.0	102.0	9.5	62.0
AIO*020	20ml	C	22.50	65.0	113.0	11.0	76.0
AO*050	50ml	C	27.50	107.0	170.0	12.0	116.5

Dimensions in "mm" for reference purposes only. Capacities nominal.



SCHOTT
forma vitrum

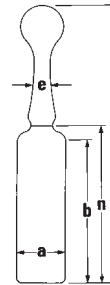


Closed Type I Glass Ampoules

* A = Amber glass, white Colourbreak C = Clear glass, white Colourbreak
AF = Amber glass, OPC white dot CF = Clear glass, OPC red dot

Ref	Size	*	a	b	d	e	n
AIC*001	1ml	C/AF/CF	10.75	21.0	70.0	6.0	25.5
AIC*002	2ml	C/AF/CF	10.75	33.0	83.0	6.0	37.5
AIC*005	5ml	A/C/AF/CF	14.75	41.0	95.0	7.0	46.5
AIC*010	10ml	A/C/CF	17.75	55.0	112.0	7.1	62.0
AIC*020	20ml	C	22.50	65.0	126.0	7.8	76.0
AIC*025	25ml	C	22.50	80.0	141.0	7.8	91.0

Dimensions in "mm" for reference purposes only. Capacities nominal.



One Point Cut (OPC) benefits over Colourbreak opening system:

- Tighter limits for breakforce and more consistent results for easier and safer opening
- Cleaner break aspect with no enamel particles able to contaminate the product
- The standard for the major pharma companies in Europe

Ampoule Boxes

Every ampoule is firmly gripped in a vacuum formed plastic fitment. The one piece design ensures that lids bearing instructions do not become parted from their contents.

Ampoule boxes

Size	Ref	Size	Ref
BO001	5 x 1ml	BO005	10 x 1ml
BO002	5 x 2ml	BO006	10 x 2ml
BO003	5 x 5ml	BO007	10 x 5ml
BO004	5 x 10ml	BO009*	10 x 10ml
		BO008*	10 x 20ml

* Boxes fitted with card fitment





Kylix Glass & Liquida PET Bottles

Kylix Bottles

Type III clear and amber glass bottles from stock, all with PP28 neck finish. The Kylix bottles are produced by press-and-blow moulding technology, affording a lighter, yet stronger bottle due to improved glass distribution. Kylix bottles are supplied in hygienic shrink-wrapped packs and with certification. * C = Clear A = Amber

ref	ml	ml	ml		mm	mm
KA0015	15	22	35	PP28	52.1	33.0
K*0030	30	37	39	PP28	67.0	35.0
K*0060	60	67.5	53	PP28	94.0	38.6
K*0090	90	97.5	69	PP28	103.0	43.9
K*0100	100	108	70	PP28	104.8	46.1
K*0125	125	133.5	79	PP28	114.4	49.0
K*0150	150	158	100	PP28	122.8	51.6
K*0200	200	209	115	PP28	133.3	57.0
K*0250	250	260	146	PP28	142.9	61.7
K*0300	300	315	170	PP28	151.3	65.6
KC0500	500	512	305	PP28	190.0	76.0
KA0500	500	528	240	PP28	176.8	76.8
K*1000	1000	1021	470	PP28	217.0	97.5

Dimensions in "mm" for reference purposes only. Capacities nominal.



Liquida PET Bottles

Injection stretch blow moulded PET containers with PP28 thread and special drip-free pouring neck. Manufactured from amber transparent or clear PET by Medisize. Subject to availability and viable minimum order quantity.

ref	ml	ml		mm	mm
35107	50	66	PP28	87.3	38.0
35168	100	115	PP28	116.0	40.0
35108	125	135	PP28	113.0	46.1
35109	150	158	PP28	119.0	49.3
35110	200	210	PP28	119.0	57.0
35115	250	262	PP28	139.0	58.5
35113	300	322	PP28	155.0	60.5
35112	500	525	PP28	182.5	70.8

Dimensions in "mm" for reference purposes only. Capacities nominal.



PP28 Closures

Ref.	Description
A 6-4418	Tamper evident, child resistant, EPE wadded
B 5-4418	Tamper evident, EPE wadded (unwadded available)
C HTEC28TWWB	Tamper evident, PTFE wadded
D PP28	Tamper evident, PE plug seal
E IL13W	Polypropylene, EPE wadded
F PS356	Aluminium, wadless
G SW27	Silicone wad (for use with PS356)
H INJ28V *	Chlorobutyl rubber stopper



* Not suitable for PET Liquida bottles



Plastic Bottles

PE Bottles

Bottles are suitable for use with pump systems.

Screw Neck Bottles

ref	ml	ml	mm	mm	mm
35 101	10	14.4	17.8	50.0	23.6
35 030	15	17.0	18.0	53.6	24.0
35 051	15	17.2	17.8	58.5	23.6
35 102	20	24.0	17.8	57.0	28.0
35 095	30	34.0	17.8	69.0	31.0
35 103	50	56.0	17.8	85.4	35.0
45 050	50	58.0	20.0	85.4	35.0
35 086	100	108.0	17.8	108.5	42.0
92 265	Screw Cap				

Crimp and Snap Neck Bottles

ref	Description	ml	mm	mm	mm
35 157	10ml crimp FEA	16.5	20.0	49.0	25.5
35 247	10ml crimp/snap DIN	16.5	20.1	49.0	25.5
35 224	12ml snap AP	17.0	19.8	53.0	24.0
35 184	15ml crimp FEA	19.5	20.0	54.4	25.5
35 210	15ml crimp/snap PFS	19.7	20.0	55.3	25.5
35 258	15ml snap AP	19.1	19.8	52.0	25.5
35 105	20ml crimp FEA	25.0	20.0	50.5	31.0
35 222	20ml crimp/snap DIN	25.2	20.1	50.7	31.0
35 106	30ml crimp FEA	34.8	20.0	65.0	31.0
35 218	30ml crimp/snap PFS	34.7	20.0	65.0	31.0
35 228	30ml snap AP	34.7	19.8	65.0	31.0
35 054	50ml crimp/snap DIN	60.0	20.1	85.4	35.0
35 248	50ml snap AP	60.9	19.8	85.4	35.0

Dimensions in "mm" for reference purposes only. Capacities nominal.

LDPE & HDPE pharmaceutical bottles produced by Medisize through injection blow moulding and sealed in PE bags under cleanroom conditions, ISO class 8 with laminar flow class 5.

All components can be supplied sterile subject to viable minimum order quantities.

medisize
CREATING SMARTER SOLUTIONS



Dropper Bottles

Available from 5ml to 50ml in white or natural and are available with Tamper Evident caps. Other coloured bottles and caps are available for viable production runs.

ref	ml	ml	ml	mm	mm	mm
35 017	5	8.4	21.0	KS 14 x 2.5 mm	44.0	57.80
35 018	10	12.1	24.0	KS 14 x 2.5 mm	50.0	63.40
35 020	15	18.2	25.0	KS 14 x 2.5 mm	62.0	75.40
35 072	20	24.0	28.0	KS 14 x 2.5 mm	63.5	77.34
35 021	30	34.5	30.0	KS 14 x 2.5 mm	76.5	89.60
35 071	50	59.0	35.0	KS 14 x 2.5 mm	89.5	104.00
6504	Tamper Evident Cap					
92 236	0.03ml Dropper Nozzle					
92 279	0.05ml Dropper Nozzle					

Dimensions in "mm" for reference purposes only. Capacities nominal.

medisize
CREATING SMARTER SOLUTIONS





Transfer & Reconstitution Devices

Stock range of drug reconstitution, mixing and transfer systems which enhance the delivery of drugs through advanced technologies. The adaptors are moulded from medical-grade polycarbonate and are compatible with Luer slip and lock syringes.

Benefits of these devices:

- Easy to use
- Help promote safety and compliance
- Do not require changes to drug manufacturing processes
- The systems work on existing drug vials – there is no need for expensive re-registration or capital investment
- Reducing needle stick injuries to both patients and operatives



Vial Adaptors – 13mm & 20mm

Enable the safe and rapid transfer and reconstitution of drugs between vials and syringes and enable optimal aspiration of mixed and reconstituted drugs.

Vial adaptors pierce the rubber stopper and allow the drug contained in the vial to be withdrawn into a syringe without the use of a needle.

Adaptors with vented valves and in-built filters are also available.



Ampoule Adaptors

Safe and quick aspiration of a liquid from a glass ampoule into a syringe without the use of a needle, which reduces the number of needles required, increases the speed of drug delivery to patient and the adaptor also filters any glass particles from the product.



Multidose Vial Adaptors – 13mm & 20mm

Multidose vial adaptors enable the safe, rapid transfer and reconstitution of drugs between vial and syringe on a multi use basis through the addition of a medical grade silicone rubber valve with luer-compatible connector, which ensures sterility for repeat vial access.

The swabable connections make it ideal for vaccination purposes.



Mix2Vial®

The Mix2Vial needleless system enables simple, fast, vial-to-vial transfer and mixing between two vials for the reconstitution of lyophilised drug products. The reconstituted drug is available for immediate aspiration into a syringe ready for injection. The system is also available with an in-line filter and in a range of options to suit 20mm and 13mm needs.

Mix2Vial system attributes:

- Vacuum powered
- Easy to use
- Rapid transfer
- No repeat piercing





All Purpose Dispensing (APD) Boxes

Suitable for powders, tablets, ointments and creams. Extra protection is provided courtesy of a polyethylene barrier sandwiched between the paperboard outer, and the parchment inner.

Ref	Size	Description	Internal Diameter	External Height
ACDH	14ml	½ oz cut-down	35mm	21mm
ADH	20ml	½ oz deep	35mm	27mm
ACD1	26ml	1oz cut-down	41mm	25mm
AD1	40ml	1oz deep	41mm	37mm
ACD2	54ml	2oz cut-down	51mm	31mm
AD2	77ml	2oz deep	51mm	45mm
AD4	162ml	4oz deep	62mm	56mm

Dimensions in "mm" for reference purposes only. Capacities nominal.



Vial Boxes

We offer a range of boxes with a minimum order quantity of only 100 units, suitable for use with any number of vials, ampoules, dropper bottles etc.

Bespoke boxes are designed and manufactured to your exact specifications which make them especially useful for testing kits where a number of different products need to be supplied in one convenient package.

Boxes can be produced with your requested colours and designs, which can include instructions on use as well as your logo displayed on the packaging.

Options include:

- Hinged or loose lid
- Card or vacuum formed fitments
- A wide variety of coloured or textured coverings





Adelphi Healthcare Packaging
Primary Packaging Specialists

Knowledge

Quality

Service

Expertise

Adelphi Healthcare Packaging

Olympus House
Mill Green Road
Haywards Heath
West Sussex
RH16 1XQ
United Kingdom

T: +44 (0)1444 472300
F: +44 (0)1444 472329
E: sales@adelphi-hp.com
W: www.adelphi-hp.com