

PLASTIC BIOPROCESS CONTAINERS

- 01 DESIGN
- 02 DEVELOPMENT
- 03 MAINTENANCE



ALLpaQ Packaging Group

Sustainable Bioprocess
Container Solutions

PROTECT VALUABLE MEDIA

ALLpaQ supply the largest worldwide range of folding plastic bioprocess containers to the Pharmaceutical and Biotechnology industries.

The GENESIS, CLEANROOM and TOPDRAIN range are uniquely designed to offer practical and commercial benefits to your business. These include:

- *Collapsible and stackable functionality*
- *Foldable to save space in shipment*
- *Improved warehouse space utilisation*
- *Lighter and easier / safer for operators to handle*
- *Heightened hygiene*
- *Reusable and recyclable*

Designed for fluid and non-fluid applications, ALLpaQ bioprocess containers are compatible with the majority of 3D bags.



IMPROVE OPERATIONAL EFFICIENCY

Your business needs to store, maintain and ship the containers. So we'll take the time to understand you, your logistical operations and business goals.

Then we can strategically plan all dimensions of your containment needs in order to:

- *Enhance your operational efficiency*
- *Improve your shipping efficiency*

With 20 years' experience, we have all the tools in our bioprocess box to fine tune the economic and environmental sustainability of your containment systems.

“ Utilising ALLpaQ from early stage development has proved cost effective for our clients ”

Phill Allen, ALLpaQ MD

IS PLASTIC THE REAL STEEL?

As a manager in the biopharmaceutical industry, you face a choice between plastic or steel bioprocess containers to store and ship valuable media.

The chances are you previously opted for the steel solution. This is understandable. Steel, after all, boasts a history dipped in prestige.

"It lasts forever, doesn't rust and is unbreakable", so traditionalists say. Even Superman was branded the Man of Steel and that guy could fly.

Yet sentiment has failed to stop progress. The plastic revolution is upon us and ALLpaQ is leading the way. So why switch from plastic to steel?

The argument is quite simple really. ALLpaQ plastic containers enhance the sustainability and profitability of your business - something even the Man of Steel couldn't achieve.

6 BENEFITS

Embrace the move to plastic and welcome an array of operational and commercial benefits. Check out the facts:

1 COLLAPSIBLE AND STACKABLE

Fabricating in plastic means our containers can be easily collapsed and stacked, allowing you to maximise your warehousing floorspace. This also presents space and cost utilisation benefits when in shipment.

2 EASE OF OPERATOR HANDLING

Unlike the weighty stainless steel equivalent, operator handling is easier, allowing you to align with the rigours of health and safety requirements.

3 FOLDABLE TO SAVE SPACE IN SHIPMENT

ALLpaQ containers can be folded to save space in return shipment. Plastic is also lighter than steel, generating a reduction in shipping charges.

4 REUSABLE & RECYCLABLE

ALLpaQ bioprocess containers can be used time and time again and, in the event of damage, individual panels can be removed and replaced. This adds to the lifespan of your fleet, enhancing sustainability and your bottom line.

5 HYGIENE

Plastic is easier to clean than steel and can be quickly jet washed. If needed, individual panels can also be removed for cleaning.

6 COSTS

The raw materials are far more cost effective than the steel counterpart.

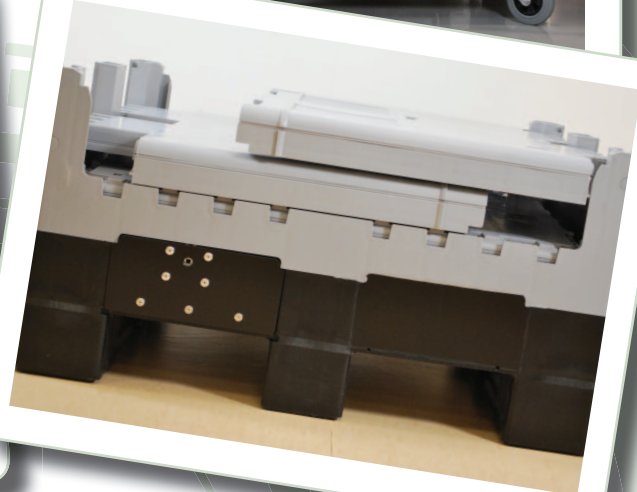
SHIPPING RANGE

GENESIS

GENESIS is the original all-plastic bioprocess container. Designed to meet the ever evolving needs of the pharmaceutical industry, GENESIS presents the ultimate storage and shipment solution.

- Suitable for storage and shipment from 50L -1000L
- Collapsible, stackable and reusable
- Smooth surfaces inhibit bacterial growth
- Customisable
- Cost benefits in storage and transportation

The GENESIS Range is compatible with the majority of single use bags in use throughout industry.



PLASTIC Vs STEEL

	STEEL	PLASTIC
Ease of cleaning	✗	✓
Ease of operator handling	✗	✓
Collapsible to improve space utilisation	✗	✓

Comparison made against rigid stainless steel containers.

STORAGE RANGE

CLEANROOM

ALLpaQ CLEANROOM Range enhances storage capability within controlled environments.

- *Foldable for storage*
- *Great accessibility for cleaning*
- *Smooth surfaces inhibit bacterial growth*
- *Enhances your sustainability*



CLEANSTACK

CLEANSTACK solution allows you to build a bank of storage containers in multiple stacks of two to three.

The revolutionary design means once assembled there is no need to transport, lift or lower the containers for access. Each container has independent accessibility which can be integrated into a single production process.

Based upon the 800 x 600 footprint, CLEANSTACK can be disassembled for easy access when cleaning and is developed for manufacturing user interface.

CLEANSTACK is the ultimate in cleanroom optimisation and efficiency.



TOPDRAIN Range

250L / 500L / 1000L

ALLpaQ TOPDRAIN Range is designed for applications requiring the filling and emptying of 3D bags.

Designed to enhance storage capacity, TOPDRAIN safely secures the storage of valuable media for the biopharmaceutical industry.

THE VALUE IS IN THE BIOPROCESS

01 ANALYSIS & DESIGN

- Volume & space analysis
- Hygiene management
- Shipment logistics
- Cost planning
- Infrastructure compatibility

02 DEVELOPMENT

- Fabrication
- Customisation
- Trial & testing
- Cost planning
- Infrastructure compatibility



03 MAINTENANCE

- Repair or replacement
- Staff training
- Additional services & products

ACCESSORIES

Dollies

ALLpaQ stainless steel Dollies ease the transportation of our containers. We also supply modified versions compatible with the MasterMover standard coupling. This allows usage in confined spaces for easy handling.

Bag Support Discs

ALLpaQ recommends the use of Bag Support Discs with the range of shipping and storage containers. The function of the container is to protect the bag whilst the Support Disc works in unison, protecting the weld around the outlet tubing and the tube itself.

Branding & Numbering

Enhance the management of your fleet of bioprocess containers by branding and/or numbering your containers for ease of identification and logistics. Branding is supplied as a plaque, sticker or screen print.

Tamper Evidence & Security

Security is a natural concern during transportation and tamper evidence seals are available throughout the range of shipping and storage containers.

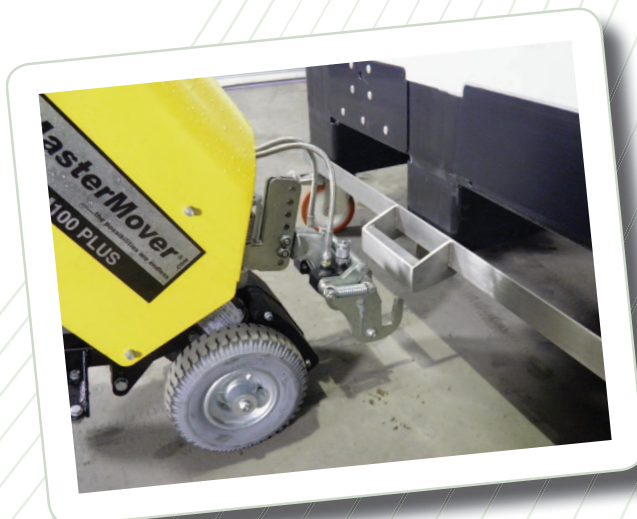
Repair & Maintenance

Unlike the stainless steel alternative, the all-plastic ALLpaQ solution means you can repair instead of replace damaged bioprocess containers. Panels and bases can be provided as spares so production can keep flowing.



“ We help pharmaceutical and biotechnology companies protect valuable media, whilst enhancing their storage and fleet management capacity.

Phill Allen, ALLpaQ MD ”





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