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AsahiKASEI
BIOPROCESS



DAC ERGO

Our safety-forward solution to column changeover



Built For You.

Asahi Kasei Bioprocess is dedicated to increasing not only efficiency – but also safety – in order to drive productivity in your biopharmaceutical downstream processing area.

Performing maintenance on large stainless-steel liquid chromatography (LC) columns is a labor intensive and cumbersome process with inherent risks to the operator and the column's structural integrity. Some of the challenges associated with large stainless-steel columns include:

- » Requiring as many as 4-6 people to unpack effectively
- » Posing a potential safety hazard due to their size and weight
- » Lacking a convenient mechanism to safely remove bottom plate assemblies

DAC Ergo, from Asahi Kasei Bioprocess America, is designed to meet these challenges head-on – facilitating pack and unpack procedures in a much less complicated manner as compared to conventional methods.



Labor minimized — safety maximized

Removing bolts to access the bottom plate assembly of a DAC column is a time-consuming process – not to mention a potential safety hazard due to the sheer weight and size of the bottom plate.

As large-scale DAC columns become more prominent fixtures in modern manufacturing suites, plant personnel will require efficient *and* safe solutions for performing fundamental upkeep operations.

Enter DAC Ergo from AKBA, featuring:

- » Integrated hydraulics to minimize labor and safety concerns
- » Quick-release bottom plate assembly
- » Bottom plate cart for convenience
- » Standard sizes [60cm, 80cm, 100cm] and custom builds
- » Optional slurry bin for spent media capture and drastically reduced clean-up

No longer does performing routine maintenance on a large-scale DAC column need to be a lengthy manual process – requiring the labor of several individuals to painstakingly disassemble, empty, clean and reassemble the column just as the next batch is ready to be run. With DAC ERGO stainless-steel LC columns, unpacking can be safely accomplished by two operators in substantially less time – increasing productivity batch after batch.



1 Activate the hydraulics and on-board pneumatic pump responsible for raising the column



2 Retract the telescoping legs and lock them in place



3 Push the set down shims outward so the height of the column can be adjusted using the pendant and the bottom plate carrier rests on the ground



4 Lift the I bars and push to the side to secure in place



5 Attach the clevis pins and the turn buckles, when necessary



6 Elevate the column to expose the bottom plate resting on the undercarriage, which pivots on a swing-out arm for routine maintenance



7 Reposition the bottom plate back under the column (a metal barrier aligns the device)



8 Lower the column, pull down the I bars to secure the bottom plate to the column and lift the system once again



9 Push the set down shims back inward



10 Lower the telescoping legs and lower the column slightly to rest on the shims – the column is now ready for use

Product Ordering and Support Services



DAC Ergo is currently available for the configurations below

Diameter	Pressure Rating 10 Bar	Pressure Rating 20 Bar	Pressure Rating 35 Bar
60cm	✓	✓	✓
80cm	✓	✓	✓
100cm	✓	✓	✓
120cm	*	*	*
140cm	*	*	*
160cm	*	*	*

*Please contact your local sales representative for more information

Aftermarket Services

Technical Support Network

A reliable technical support network is available throughout North and South America, Europe and Asia.

Warranty

We offer an extendable 1-year warranty, service contracts and a personalized level of service for peace of mind and timely support when you need it.

REQUEST A QUOTE >

Technical Client Services

Technical Client Services (TCS), is a customer-centric interface to our product and science experts. Our TCS team will guide your process and engineering needs as your personal liaison for inquiries.

Contact us to learn more about how TCS can support your virus filtration and downstream processing equipment needs.

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