

SWIFTER, SAFER COLUMN CHANGEOVER

DATA SPECIFICATION SHEET

FOR SIMPLIFIED OPERATION

CHROMATOGRAPHY

CURSIV™
DAC ERGO™

DAC ERGO LIQUID CHROMATOGRAPHY (LC) COLUMNS

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

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

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.



PRODUCT FEATURES

- Integrated hydraulics to minimize labor and safety concerns
- Quick-release bottom plate assembly
- Support cart for bottom plate
- 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.



AsahiKASEI
BIOPROCESS

TECHNICAL SPECIFICATIONS

Process specifications

| Equipment | Specification |
|--|------------------------------|
| Functionality | Liquid chromatography column |
| Process temperature | 4°C to 100°C |
| Max operating pressure | 20 or 35 barg |
| Environmental temperature | 10°C to 30°C |
| Area classification (local to equipment) | ATEX II 2 G IIB T4 Gb |

Column specifications

| Equipment | Specification |
|---------------------------------|--|
| Dimensions (standard W x D x H) | Varies by diameter and stroke length |
| Weight | Varies by diameter and stroke length |
| Diameter (ID) | 60cm, 80cm, 100cm |
| Materials of construction (MOC) | 316L SS |
| Frit porosity | 2 micron, 5 micron, 10 micron, 20 micron |
| Surface finish | 20 µm Ra with Electropolish for product-contact surfaces |

UTILITY SPECIFICATIONS

| Equipment | Specification |
|----------------|-----------------------------|
| Compressed Air | 6 barg / 225 L/min (8 SCFM) |

ORDERING INFORMATION

System hardware and accessories

| Product | Catalog No. |
|---|----------------|
| DAC ERGO-[diameter]-[stroke]-[pressure] | DACE-60-50-10 |
| | DACE-60-50-20 |
| | DACE-60-50-35 |
| | DACE-60-70-10 |
| | DACE-60-70-20 |
| | DACE-60-70-35 |
| | DACE-80-50-10 |
| | DACE-80-50-20 |
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