

FLOTRONIC® SANITARY & HYGIENIC PUMPS



When it counts,
count on Unibloc®

The range to meet your sanitary
product transfer requirements

WE LEAD WHERE OTHERS FOLLOW

The innovative air-operated double-diaphragm Flotronic pump has been on the market since 1981. This patented ONE-NUT™ concept has now been used to revolutionize sanitary product transfer. Your needs are met by making rapid pump disassembly, cleaning, and maintenance simple.

Designed to reduce down time and cleaning costs, Flotronic pumps help you maintain and even improve sanitary levels on site while preventing wastage with less 'hold up' of product.

You will find Flotronic ONE-NUT™ sanitary pumps at work throughout the food, beverage, brewing, pharmaceutical, and cosmetic industries. **We lead where others follow.**

FDA/Hygienic

Manufactured from FDA and USP Class VI approved materials.

The Flotronic Slimline (hygienic) range offers a versatile and robust answer to your liquid transfer needs.

Machined from solid materials with a choice of Stainless Steel or Hastelloy® these fully drainable slimline pumps are designed for hygienic applications.

Sanitary

3A accredited / tested range of Sanitary Pumps.

Manufactured from FDA and USP Class VI approved materials.

The ultimate in hygienic product transfer. Peace of mind for food, beverage, dairy and pharmaceutical industries. The Flotronic 3A pumps are the match for any environment or process where avoidance of product contamination is paramount.

FDA/Sanitary Style

Design based on our fully accredited Sanitary range of pumps.

Manufactured from FDA and USP Class VI approved materials.

Need a Sanitary pump with the ability to customize the pump to your exact requirements.

The Flotronic Sanitary Style pump is the answer.

Fully drainable with or without pump inversion.

With or without leak detection systems.

FLOTRONIC® SANITARY & HYGIENIC PUMPS

THE FLOTRONIC **SLIMLINE** RANGE

Liquid Transfer Made Easy

The Flotronic Slimline range offers a versatile and robust answer to your liquid transfer needs. Machined from solid materials with a choice of Aluminum, Stainless Steel or Hastelloy® these fully drainable slimline pumps are designed for applications where hygiene is paramount.

The Ultimate Performance

Flotronic's Slimline pumps are more compact than competitor AODD pumps but are equally capable, offering a compact design in limited space.



- With **ONE-NUT™** design and a fully drainable body, maintenance is made simple. Readily accessible ball valves with pump air-valve easily maintained when in-line
- **Easy cleaning** for hygienic applications with crevice free design and no internal welding
- A range of **½" to 3"** connections with **7", 10" or 12"** diameter diaphragms for in-line adaptability. Screwed, hygienic or flanged connections
- **Diaphragm Rupture Protection** and fully pneumatic alarm systems available
- **Optional high temperature diaphragm**
- **Self priming** 3.6m/12ft dry and 8m/26ft wet

Reduce Down Time and Cleaning costs

- Fully drainable body
- Transfer extensive variety of materials
- Surface finish to customer specification
- Outside surfaces easily cleaned
- Optional hot water/steam jacket



Personal Care



Pharmaceutical



Sanitary



Dairy



Food & Beverage

THE FLOTRONIC **S Series**

Sanitary Slim Pumps for Optimum Liquid Transfer

The Flotronic S Series is designed to offer flexible sanitary solutions for media transfer in a wide range of industries. More compact but equally capable, these pumps are especially suitable to applications where hygienic integrity is essential and Cleaning in Place a standard requirement.



Flexible Clean in Place

- **Fully drainable**, the S Series **12", 10" and 7"** pumps have a modified seat option which allows CIP liquids to drain back through the pump while it remains in the upright position
- ONE-NUT™ design with fully drainable body for ease of maintenance throughout. **Readily accessible ball valves** with pump air-valve easily maintained when in-line
- Slimline design **ideal where space is limited**
- Outside surfaces can be **easily cleaned**
- Readily accessible ball valves
- Choice of materials including **Stainless Steel** and **Hastelloy®**
- **Reduce** downtime and cleaning costs.

Performance to Match Your Requirements

- A range of ½" to 3" connections with 7", 10" or 12" diameter diaphragms for in-line adaptability. Screwed, hygienic or flanged connections
- Easy cleaning for hygienic applications with crevice free design and no internal welding
- Diaphragm Rupture Protection and fully pneumatic alarm systems available
- Transfer an extensive variety of materials across a range of industries



Personal Care



Pharmaceutical



Sanitary



Dairy



Food & Beverage

FLOTRONIC® SANITARY & HYGIENIC PUMPS

THE FLOTRONIC **H Series**

Authorized Pumps for Sanitary Product Transfer

The Flotronic H Series pumps have been designed for processes where hygiene is a priority and to meet the exacting standards of 3-A Sanitary Standards Inc (3-A SSI). The pumps offer exceptional benefits to the food, beverage and pharmaceutical industries and any environment where sanitary integrity is essential. Depending on the pump and demand, flow rates might range from 100 to 450 liters per minute.



Clean in Place Couldn't Be Easier

All H Series pumps can be thoroughly Cleaned in Place (CIP). The 7" and 10" pumps have a support stand allowing rotation of the pump for easy and effective media cleaning. The 12" pump fully drains while upright with check ball valve seats allowing drainage without inversion.

- H Series pumps **meet the high 'cleanability' standards** demanded by 3-A SSI including ease of cleaning for all product contact and non-product contact parts
- ONE-NUT™ design is integral to H Series allowing **maintenance in minutes**
- Parts and raw materials are of the highest quality and **provenance certified**
- **Electro-polished finish** 0.8µm Ra maximum on wetted surfaces
- **Reduce down time** and cleaning costs and improve sanitary levels

Reinforced Diaphragm and Rupture Detection

Unique to Flotronic, the H Series pumps can be fitted with diaphragms which are reinforced.

- Pumps can withstand CIP/SIP pressures up to 6 bar in the suction line
- Cleaned in Place using fully automated CIP units, no need to bypass
- Rupture detection system with alarm and instant shutdown to avoid product contamination
- All H Series pumps are available with the option of BS, DIN or ISO hygienic connections



Personal Care



Pharmaceutical



Sanitary

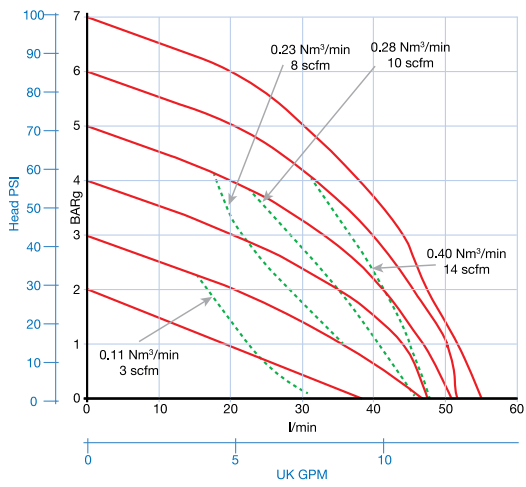


Dairy



Food & Beverage

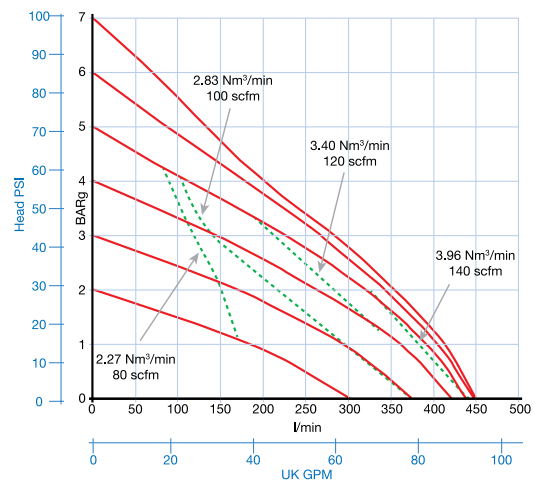
7" DIAMETER DIAPHRAGM



**FLOW
RATE**

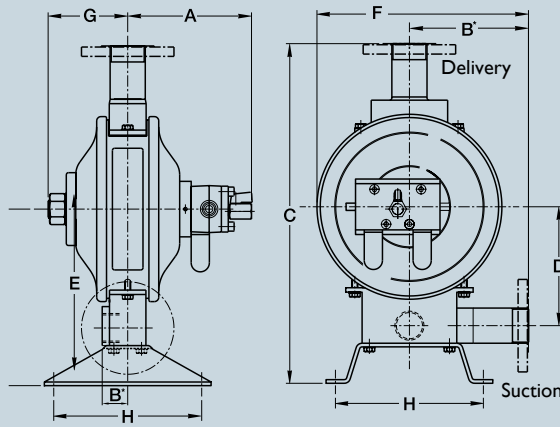
1/2"

12" DIAMETER DIAPHRAGM



**FLOW
RATE**

3"



Maximum operating pressure 7.2 bar (105 PSIG)

When it counts, count on Unibloc®.



Unibloc Hygienic Technologies provides a broad portfolio of powerful solutions for companies around the world.



unibloctech.com



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