

*The simplest ideas are often the best*

## ‘H’ series pumps

3-A Sanitary Standards Inc. certified  
pumps for sanitary product transfer



## 3-A Sanitary Standards

### 3-A Sanitary Standards' symbol of assurance - sanitary design integrity you can trust

**When hygiene is the priority ...**

**... then there's no better pump than the Flotronic Pump 'H' series.**

Designed to meet stringent 3-A Sanitary Standards, the 'H' series offers tremendous benefits for the food, beverage, pharmaceutical industries and any environment or process where maintaining product integrity is paramount.

#### **High quality materials throughout**

3-A Sanitary Standards require that all materials are acceptable for product and non-product contact. They also ensure that performance criteria critical to accepted methods of cleaning are met.

This means that 'H' series parts and raw materials are of the highest quality with their provenance duly certified. Product contact areas are either PTFE or 316L Stainless Steel, with stainless product contact areas polished to 32µin Ra or better. Cleanability is further enhanced by the 'H' series electro-polished overall finish.

#### **Cleaning couldn't be easier**

This latest addition to the Flotronic range has been designed to meet the high standards demanded by 3-A Sanitary Standards Inc, which include ease of cleaning for all product-contact and non-product contact parts. 'H' pumps can be thoroughly cleaned in place (CIP), with a support stand allowing rotation of the pump for easy and effective media draining critical to the pump's design. Inversion of the pump ensures that the check-ball valves 'lift' allowing liquid to drain from the inverted delivery nozzle - a process which can happen in line if required and with the suction and delivery pipes still attached. The innovative, easy-maintenance, ONE-NUT design for which Flotronic is renowned remains, allowing pump maintenance in a matter of minutes.

The pump can be cleaned by flushing with a suitable CIP fluid dependent upon the application and compatibility with the pump wetted component materials.

#### **Rupture detection system**

Operator peace of mind is naturally critical in environments where product contamination is to be avoided at all costs. That's why all 'H' series pumps have an integral diaphragm rupture detection system. This shuts down the pump should a diaphragm fail, so product is not compromised.

#### **Connections**

All 'H' series pumps are available with the option of BS, DIN or ISO hygienic connections.

# Flotronic 'H' Series Pumps

## The benefits of Flotronic Pumps 'H' series include:

- meeting 3-A Sanitary Standards which ensure:
  - that all product contact surfaces can be mechanically cleaned or dismantled easily for cleaning and inspection
  - that only materials which are acceptable for product contact and non-product contact are used in pump construction
- standard finish of 32µin Ra or better on wetted surfaces with an electro-polished overall finish to aid pump cleaning
- a Clean In Place design that includes a pump inversion stand for draining
- a diaphragm rupture detection system with instant pump shut-down alarm facility to keep product contamination-free
- BS, DIN and ISO hygienic connection options ensuring that hygiene standards are not compromised
- Flotronic Pumps' 'ONE-NUT' technology for ease of maintenance.

## All of which help you:

- reduce down time and cleaning costs
- maintain and even improve sanitary levels on site
- prevent wastage with less 'hold up' of product.

## Applications:

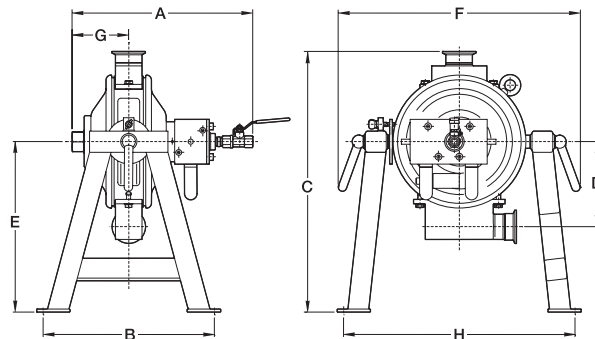
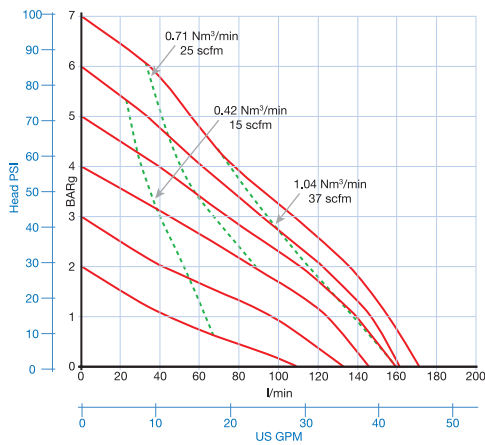
- Dairy
- Food and Beverage
- Pharmaceutical
- Cosmetics/Personal care.

Flotronic's commitment to high quality management of the processes that create and control our products has been recognised in achievement of ISO 9001 accreditation, the internationally recognised standard for quality management of businesses.



# Technical Data

## Flow Rate - 10" diameter diaphragm - 1½"



Maximum operating pressure 7.2 bar (105 PSIG)

H Series 3-A Pump									
Size	A	B	C	D	E	F	G	H	Diaphragm Diameter
1½"-2"	13½"	13	19½"	6½"	13	18	4¼"	17½"	80

Dimensions in inches

Flotronic Pumps Limited  
Ricebridge Works, Brighton Road, Bolney, West Sussex RH17 5NA UK  
Tel: +44 (0) 1444 881 871 (8 lines)  
Fax: +44 (0) 1444 881 860  
Email: sales@flotronicpumps.co.uk  
www.flotronicpumps.co.uk

Specifications subject to change without notice

'Flotronic' is a UK registered trade mark



Certificate No. 6597

