

FLOTRONIC[®] H-SERIES PUMPS



When it counts,
count on Unibloc[®]

- Reduce down time and cleaning costs
- Maintain and even improve sanitary levels on-site
- Prevent wastage with less 'hold up' of product

IDEAL FOR PROCESSES WHERE **HYGIENE IS A PRIORITY**

The Flotronic H-Series pump range has been designed to meet the exacting hygiene standards of 3-A Sanitary Standards, Inc. (3-A SSI) and to be used in processes where hygiene is paramount. The H-Series therefore offers tremendous benefits for the food, beverage, and pharmaceutical industries and any other environment where sanitary integrity is necessary.

**10" DIAMETER
DIAPHRAGM
H-SERIES
PUMP**



H-Series pump 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 maximum. Cleanability is further enhanced by an electro-polished overall finish.

BENEFITS INCLUDE

- **Standard finish of 32µin Ra or better** on wetted surfaces with an electro-polished overall finish to aid pump cleaning
- **'Clean in Place' design** that includes either a pump inversion stand or modified seats for draining
- 7", 10", and 12" versions all with **3-A SSI accreditation**
- **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
- **'ONE-NUT' technology** for ease of maintenance
- Option of **reinforced diaphragms**

HIGH QUALITY MATERIALS THROUGHOUT

H-Series pump 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 maximum. Cleanability is further enhanced by an electro-polished overall finish.

REINFORCED DIAPHRAGM OPTION

Unique to Flotronic brand, the H-Series pump can be fitted with diaphragms which are reinforced. Reinforcing plates add support to the diaphragms and ensure that the pumps can withstand CIP/SIP pressures of up to 6 bar in the suction line. This means the pumps can be Cleaned in Place using fully automated CIP units incorporating external CIP pumps, without the need to bypass the pump.

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.

CLEANING COULDN'T BE EASIER

The H-Series pump has been designed to meet the high 'cleanability' standards demanded by 3-A SSI. These include ease of cleaning for all product-contact and non-product contact parts.

All H-Series pumps can be thoroughly Cleaned in Place (CIP). The 7" and 10" H-Series pumps have a support stand allowing rotation of the pump for easy and effective media draining. Gravity separates the ball valves from their seats in this inverted position while cleaning and other fluids easily drain away from the inverted delivery nozzle.

The 12" H-Series pump has a different CIP solution which lets the pump drain fully while upright—allowing hard piping if required. This larger pump has check ball valve seats engineered to allow drainage without inversion.

All three pumps can be cleaned by flushing with a suitable CIP fluid dependent upon the application and compatibility with the pump wetted component materials. They also have internal radii surface finishes and plastic parts provenance that meet 3-A SSI standards. The innovative, easy-maintenance, 'ONE-NUT' design for which Flotronic brand is renowned is integral to each H-Series pump—allowing pump maintenance in a matter of minutes.

3-A SANITARY STANDARDS, INC.

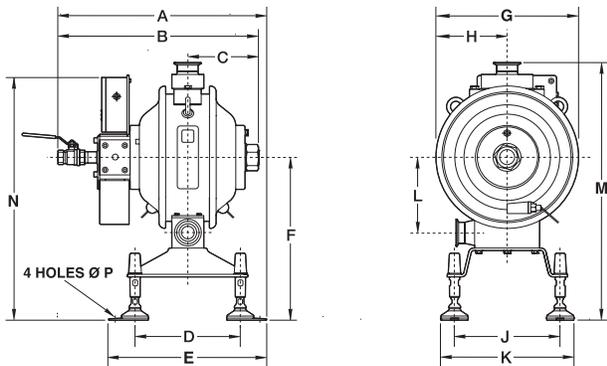
3-A Sanitary Standards, Inc. require that all materials are acceptable for product and non-product contact. 3-A SSI accreditation also confirms that performance criteria critical to accepted methods of cleaning are met. Meeting 3-A Sanitary Standards ensures:

- **All product contact surfaces can be mechanically cleaned in place or dismantled easily for cleaning and inspection**
- **Only materials which are acceptable for product contact and non-product contact are used in pump construction**

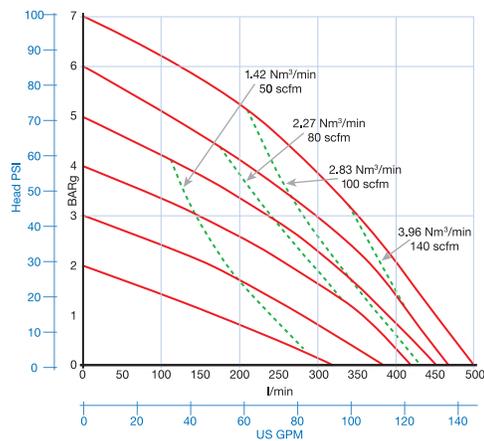
FLOTRONIC® BRAND H-SERIES PUMPS



12" DIAMETER DIAPHRAGM



Maximum operating pressure 7.2 bar (105 PSIG)



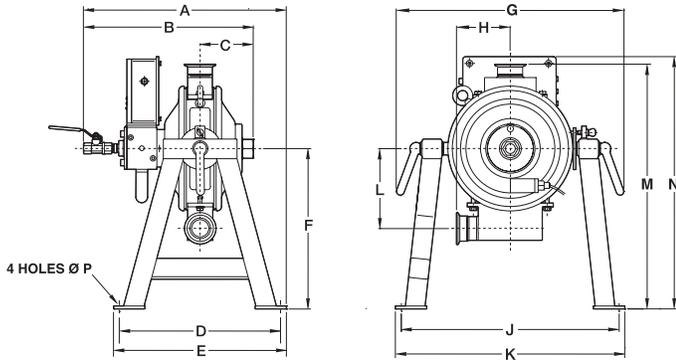
FLOW RATE

3"

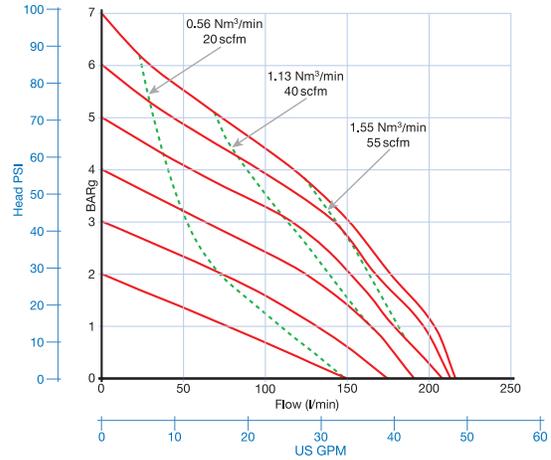
12" Diameter Diaphragm H-Series Pump Dimensions

SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Wt/lb
1.5" / 2.0" / 3.0"	19.5"	18.75"	6.75"	13.5"	14.75"	15.25"	13.5"	4.75"	9.75"	12.25"	7"	24.25"	23"	0.5"	165

10" DIAMETER DIAPHRAGM



Maximum operating pressure 7.2 bar (105 PSIG)

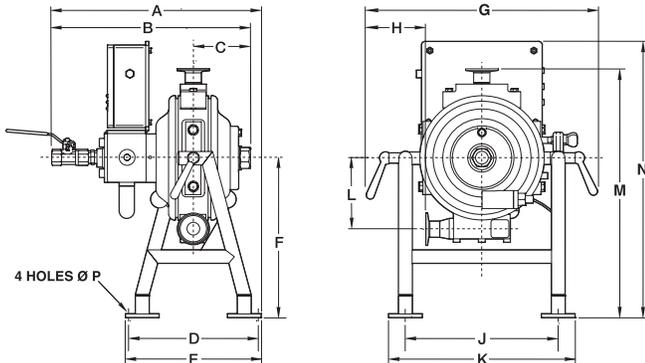


FLOW RATE
2"

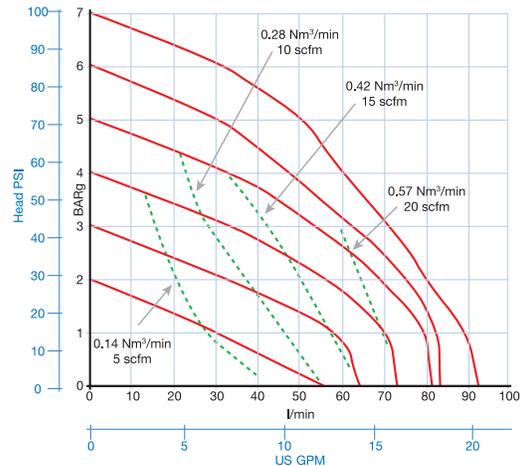
10" Diameter Diaphragm H-Series Pump Dimensions

SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Wt/lb
1.5" - 2.0"	16.25"	13.5"	4.25"	12.75"	13.75"	12.75"	18.25"	4.25"	17.5"	18.25"	6.25"	19.5"	20.25"	0.5"	80

7" DIAMETER DIAPHRAGM



Maximum operating pressure 7.2 bar (105 PSIG)



FLOW RATE
1"

7" Diameter Diaphragm H-Series Pump Dimensions

SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Wt/lb
1.0"	13"	12.25"	3.5"	7.75"	8.5"	9.75"	14.25"	3.5"	9.5"	11.5"	4.5"	15.5"	17"	0.25"	50

When it counts, count on Unibloc®.



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



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