

Furon[®] Aspirator

Simple & Compact Solution for Chemical Siphoning

Description

Furon Aspirators provide an economical option for siphoning liquid chemicals from a process vessel. Using a gas on our air-actuated aspirator will create a suction effect, allowing chemicals to be smoothly siphoned from the vessel. Using liquid such as DI water as driving media and applying water at a pressure of 10 PSI (0.7 bar) or more create the suction effect. The chemical is then diluted by water as it is siphoned through the aspirator. A specific dilution ratio may be targeted by a ratio siphon disk inserted at the siphon point, making Furon Aspirators a reliable and economical means of diluting concentrated chemicals in wet process applications or disposing of spent chemicals.

Applications

- Siphoning process vessel by using a gas to operate
- Diluting chemical by using a compatible specific liquid to operate



Features and Benefits

- 100% High purity virgin PTFE construction
- Compact design
- Cost effective solution for siphoning chemicals
- Smart and simple solution to dilute your chemicals
- Easy installation

ASK AN ENGINEER

Furon Aspirator

Part Number	Actuation Type	Dilution Ratio	Inlet Port (in) FNPT	Outlet Port (in) FNPT	Siphon Port (in) FNPT
A-1886-3:1	Liquid	3:1	3/8" (9.5 mm)	1/2" (12.7 mm)	1/2" (12.7 mm)
A-1886-6:1	Liquid	6:1	3/8" (9.5 mm)	1/2" (12.7 mm)	1/2" (12.7 mm)
A-1886-10:1	Liquid	10:1	3/8" (9.5 mm)	1/2" (12.7 mm)	1/2" (12.7 mm)
A-A-1866	Air	N/A	3/8" (9.5 mm)	1/2" (12.7 mm)	3/8" (9.5 mm)
A-A-1886	Air	N/A	3/8" (9.5 mm)	1/2" (12.7 mm)	1/2" (12.7 mm)

Ordering & Technical Specifications

Max. Operating Temperature	Ambient: 149°F (65°C) Media: 302°F (150°C)
Input Media Pressure	5 to 60 PSIG (0.3 to 4 bar)

Liquid Aspirators

Fluid Pressure Required to Achieve Suction	10 PSI (0.7 bar)
Max. Flow at Outlet Port	2.5 GPM (9.5 LPM)

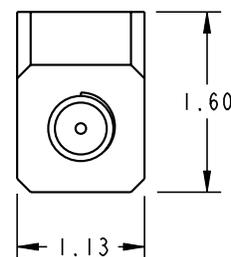
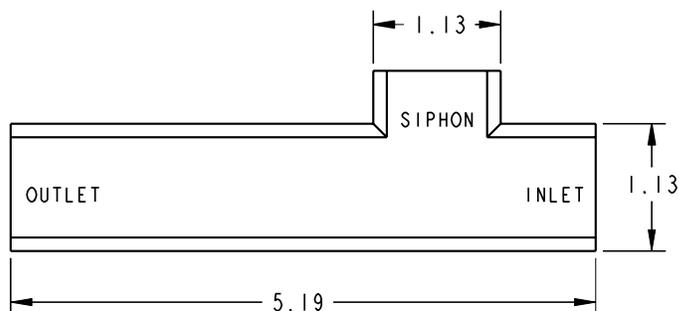
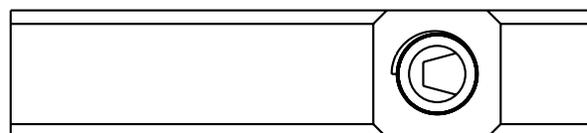
Air Aspirators

Air Pressure	Suction Generated	Flow at Outlet
20 PSI (1.4 bar)	1.5" Hg (38.1 torr)	0.5 GPM (1.9 LPM)
30 PSI (2.1 bar)	2.5" Hg (63.5 torr)	0.75 GPM (2.8 LPM)
40 PSI (2.8 bar)	4.0" Hg (101.6 torr)	1.0 GPM (3.8 LPM)
50 PSI (3.4 bar)	5.0" Hg (127.0 torr)	1.0 GPM (3.8 LPM)
60 PSI (4.1 bar)	6.0" Hg (152.4 torr)	1.0 GPM (3.8 LPM)

Options

- FlareGrip II end connections
- Nippon Pillar Super 300 end connections
- Custom configurations

Please consult factory for details.



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NOTE: The data and details given in this document are correct and up to date. This document is intended to provide information about the product and possible applications. This document is not the product specification and does not provide specific features, nor does it guarantee product performance in specific applications. Saint-Gobain cannot anticipate or control the conditions of the field and for this reason strongly recommends that practical tests are conducted to ensure that the product meets the requirements of a specific application.

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