

Microdyne is proud to offer a new line of Stainless Steel Low-Pressure Filters. Capable of performing with pressures as low as 1.5 psi while providing sub-micron filtration with low differential pressure, our low-pressure filters offer a level of performance previously unavailable.

Our low-pressure filters are available in all grades, from dust to sterile filtration. They can also be easily configured to have anywhere from one to seven elements, depending on your individual application requirements. These filters are polished to a mirror finish, both inside and out.

Applications

The Microdyne variable-element low-pressure filters are well-suited for a variety of industries and applications.

- Dairy
- Brewing
- Pharmaceutical
- Food Processing
- Beverage

Materials

All Microdyne low pressure cartridges are manufactured with stainless steel inner and outer support sleeves, three-dimensional layered 100% binder-free submicrofiber web with 90% void volume and our two-stage depth filtration principle.

Performance Data

Efficiency:

100% sterile, 99.99998% relative to particle size of .01 micron.

Flow Volumes:

4 to 2,435 scfm @ 14.7 psi (1 atmosphere) as standard flow.

Operating Pressure:

14.7 psi (1 Bar) as standard pressure.

Differential Pressure:

.75 psi.

Pressure Rating:

14.7 psi (1 Bar).

Operating Temperature:

392 F (200° C).

Pipe Connection:

1/2" NPT to 12" Flange.



Microdyne Products Corp.

12735 Carrollton Industrial Dr.
Bridgeton, MO 63044
phone: 314.291.5600
fax: 314.344.4422
email: sales@microdyneproducts.com
www.microdyneproducts.com

Technical Data — Non-Flanged Housings

Size	Nominal flow (SCFM)	NPT Size Connections	Elements Per Filter
3	4	1/2"	1
5	6	1/2"	1
7	8	1/2"	1
9	14	3/4"	1
10	19	1"	1
11	25	1"	1
12	38	1 1/2"	1
13	58	1 1/2"	1
14	78	2"	1
17	121	2"	1
19	192	3"	1

Technical Data — Flanged Housings

Size	Nominal flow (SCFM)	Flange Size Connections	Elements Per Filter
14	78	2"	1
17	121	2"	1
20	243	3"	2
30	365	4"	3
40	487	6"	4
60	730	6"	6
80	974	8"	8
100	1218	8"	10
120	1461	10"	12
160	1948	10"	16
200	2435	12"	20
* 300	** 300-700	3"	3 (20") - 7 (20")
* 600	** 600-1200	4"	3 (30") - 7 (30")

Housing connections available in Inlet/Discharge Sanitary Flanges, stub-ends, threaded, NPTF or any combination thereof.

Low pressure housings are engineered for customer requirements.

Various Inlet/Discharge configurations per customer preference.

* SLP-300 and SLP-600 housings accept a varied number (and length) of elements. All varied-element housings are special.

** Nominal flow depends on inlet pressure and desired delta "P" as well as number of elements. Built to order.

Flange size connections can be varied to meet customer specifications.

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