



Televac® Vacuum Gauge Baffle Filters

Description

Televac® baffle filters are engineered to protect vacuum gauges from contamination that can cause things like inaccurate readings, shortened gauge life, and increased maintenance. These filters help support more stable and accurate readings by reducing the vacuum gauge's exposure to things like particulates, condensable vapors, metallic dust, pump oil backstreaming, and many other forms of contamination.

Televac® baffle filters are available in 1/8" NPT, 3/8" straight, KF16, KF25, and KF40 versions, making them easy to integrate with almost all [Televac® vacuum gauges](#) (and many other vacuum products). Compatible products include gauges like the [2A Thermocouple](#), [4A Convection](#), [7B Cold Cathode](#), and [7E Cold Cathode](#), and active gauges like the [MX2A](#), [MX4A](#), [MX7B](#), and [MX7M](#). Baffle filters are ideal for contaminated or dirty processes that are often found in [vacuum furnaces](#), [heat treating](#), [thin-film deposition](#), [vacuum distillation](#), and a variety of other industrial vacuum applications.

Key Features and Benefits

- Multi-stage internal baffle that captures particulates, pump oil backstreaming, condensable vapors, and other contaminants
- Reduces the effects of contamination and turbulent gas flow, helping gauges remain accurate and in tolerance longer
- Protects sensitive gauge components to extend operational life and reduce maintenance
- Engineered for long service life in industrial, high-temperature, and contamination-prone environments

Applications

- [Vacuum furnace, heat treat](#)
- [Thin film deposition](#)
- [Vacuum distillation](#)
- [General industrial vacuum applications](#)

View the full list at frederickscompany.com/markets.

Ordering Information

Part Number	Product Style	Sensor Side Fitting/Flange	Vacuum System Side Fitting/Flange	Order
2-2100-50	Threaded inline baffle filter	1/8" NPT Female	1/8" NPT Male	Online or quote
2-2100-98	Threaded inline baffle filter	1/8" NPT Female	3/8" Straight	Online or quote
2-2121-KF16	KF flange inline baffle filter	KF16/NW16	KF16/NW16	Online or quote
2-2121-KF25	KF flange inline baffle filter	KF25/NW25	KF25/NW25	Online or quote
2-2121-KF40	KF flange inline baffle filter	KF40/NW40	KF40/NW40	Online or quote

Compatibility Matrix

Part Number	2A	4A	7B	7E	MX2A	MX4A	MX7B	MX7M
2-2100-50 1/8" NPT Female to 1/8" NPT Male	2-2100-10 2-2126-001	2-2119-001 2-2120-001	-	-	2-8910-101 2-8910-110	2-8930-101 2-8930-110	-	-
2-2100-98 1/8" NPT Female to 1/8" NPT Male	2-2100-10 2-2126-001	2-2119-001 2-2120-001	-	-	2-8910-101 2-8910-110	2-8930-101 2-8930-110	-	-
2-2121-KF16 KF16	2-2100-016 2-2126-030	2-2119-016 2-2120-031	-	2-2142-030	2-8910-116 2-8910-130	2-8930-116 2-8930-130	-	2-8950-KF16
2-2121-KF25 KF25	2-2100-025 2-2126-031	2-2119-025 2-2120-031	2-2100-272	2-2142-031	2-8910-125 2-8910-131	2-8930-125 2-8930-131	2-8940-KF25	2-8950-KF25
2-2121-KF40 KF40	2-2126-032	2-2120-032	-	2-2142-032	2-8910-132	2-8930-132	-	2-8950-KF40



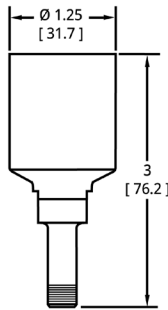
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Physical Characteristics

Part Number	Units	2-2100-50	2-2100-98	2-2121-KF16	2-2121-KF25	2-2121-KF40
Width	mm (in)	31.7 (1.25)	31.7 (1.25)	30 (1.18)	39.9 (1.57)	54.9 (2.16)
Height	mm (in)	76.2 (3.00)	76.2 (3.00)	34 (1.34)	36.8 (1.45)	36.8 (1.45)
Weight	grams	181	159	68	91	159

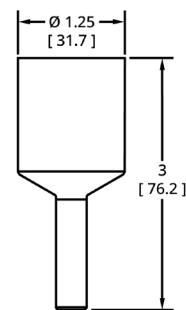
2-2100-50

1/8" NPT
 Female to
 1/8" NPT Male



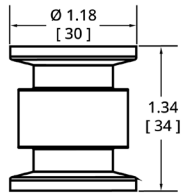
2-2100-98

1/8" NPT
 Female to
 3/8" Straight



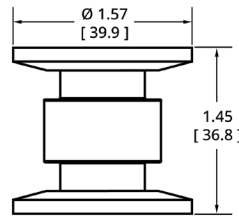
2-2121-KF16

KF16/NW16
 Flange



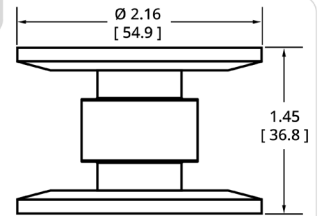
2-2121-KF25

KF25/NW25
 Flange



2-2121-KF40

KF40/NW40
 Flange



Additional Documentation

[3D Models \(STEP\)](#)

Contact Us

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