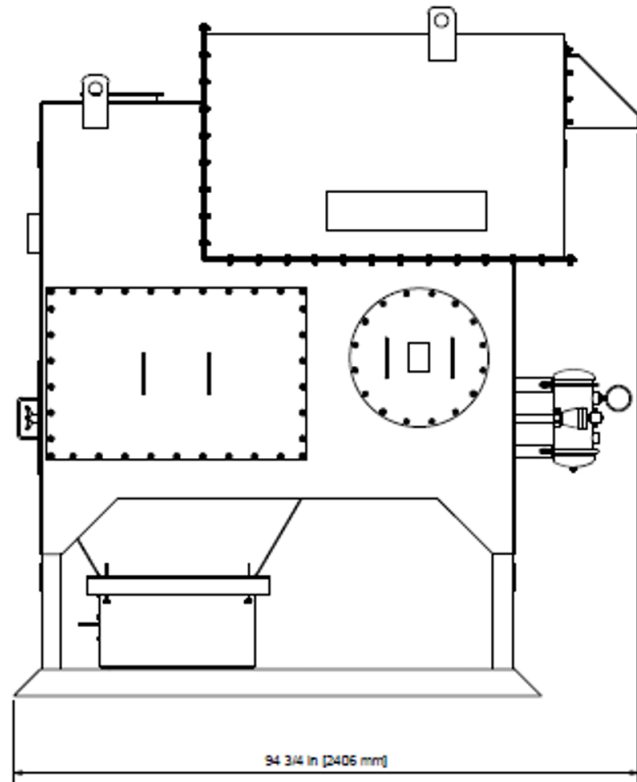
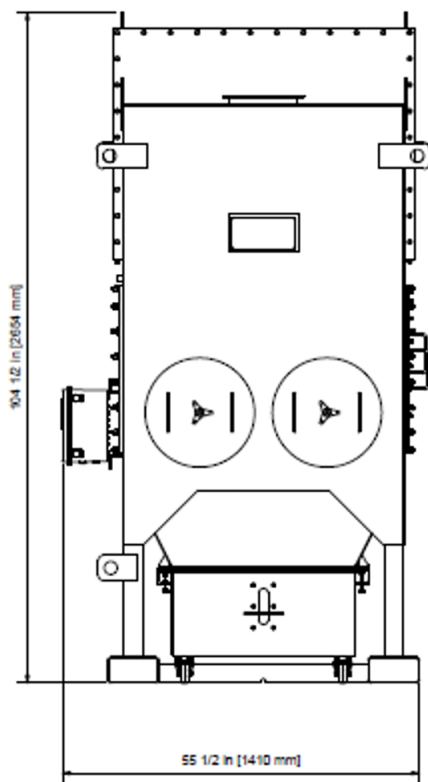
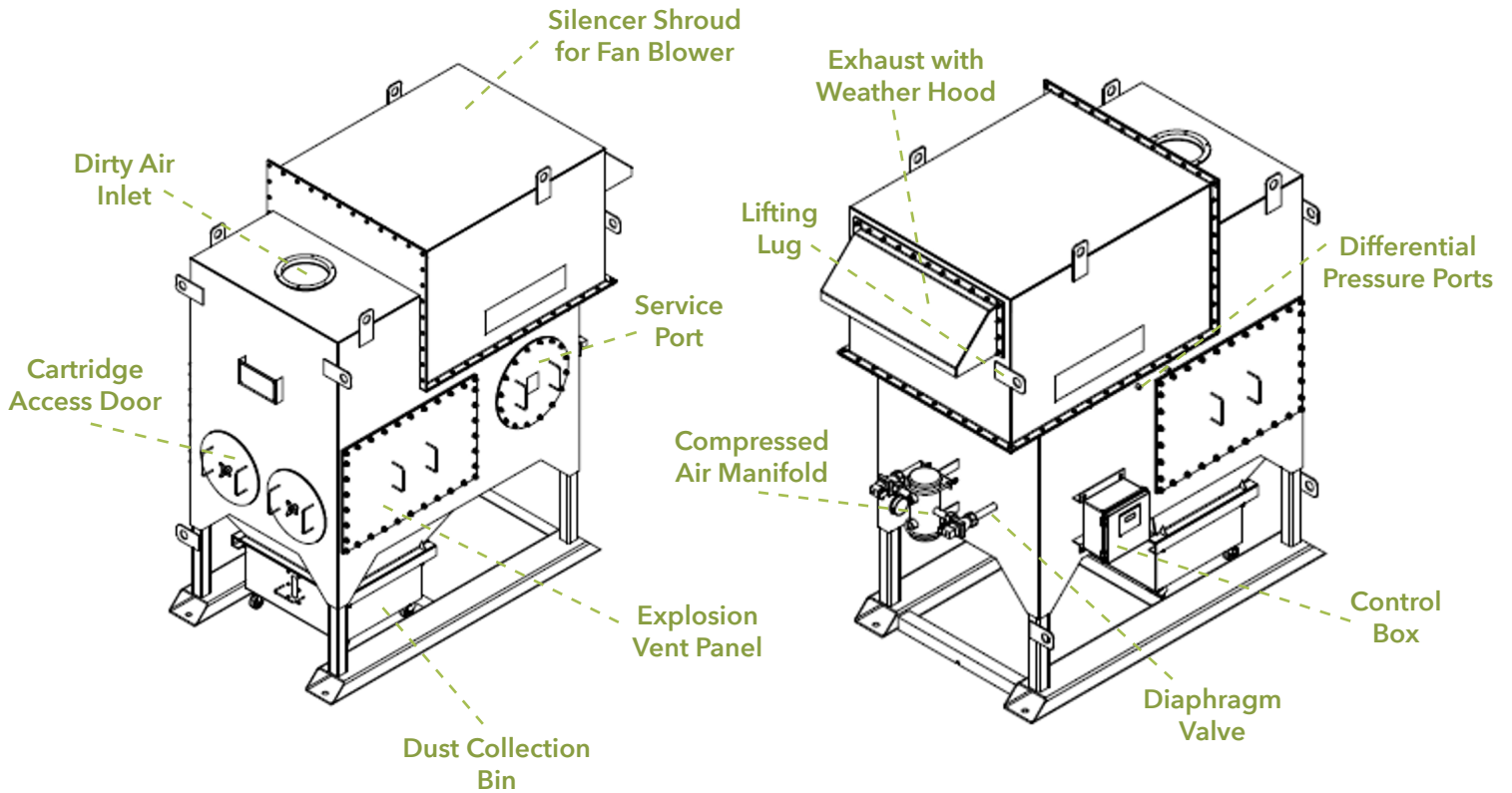


TECHNICAL DATASHEET

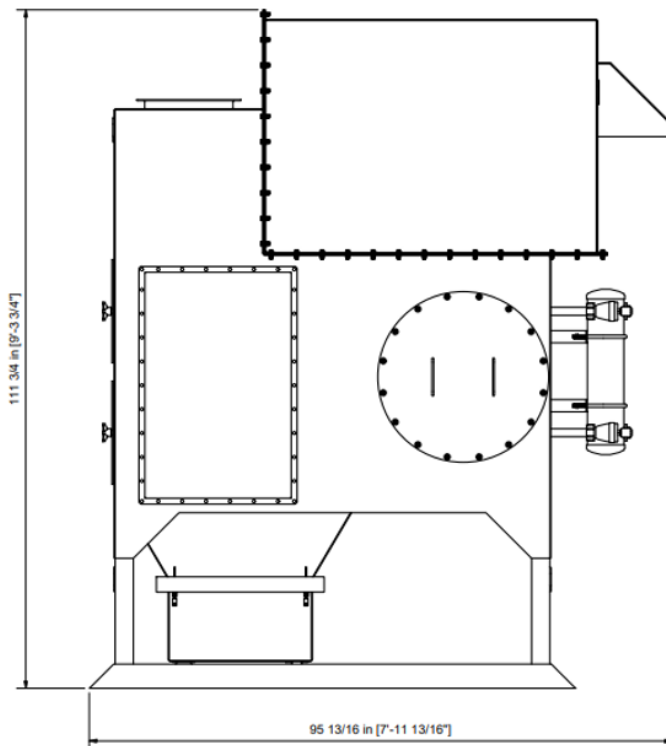
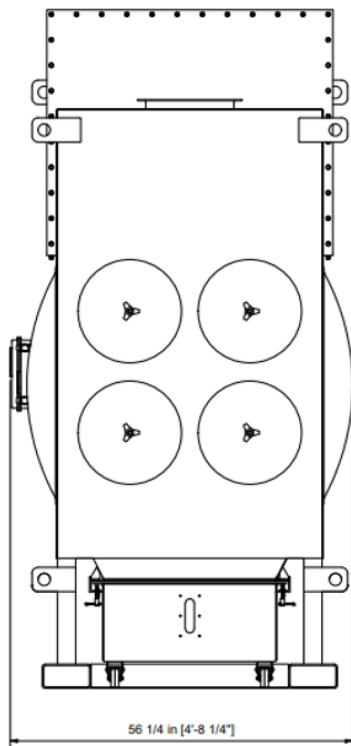
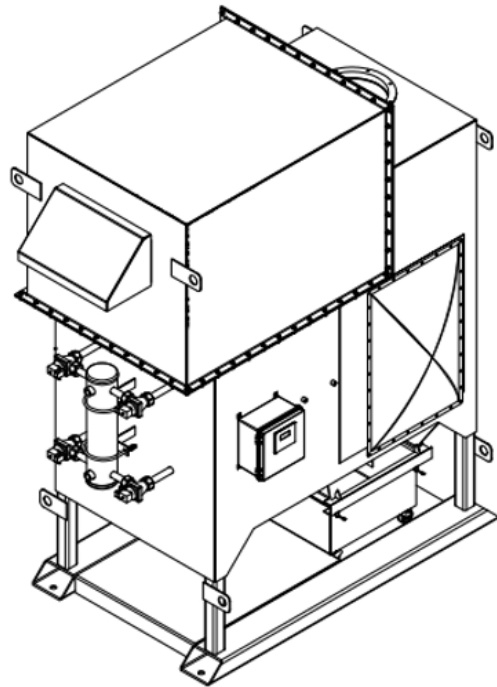
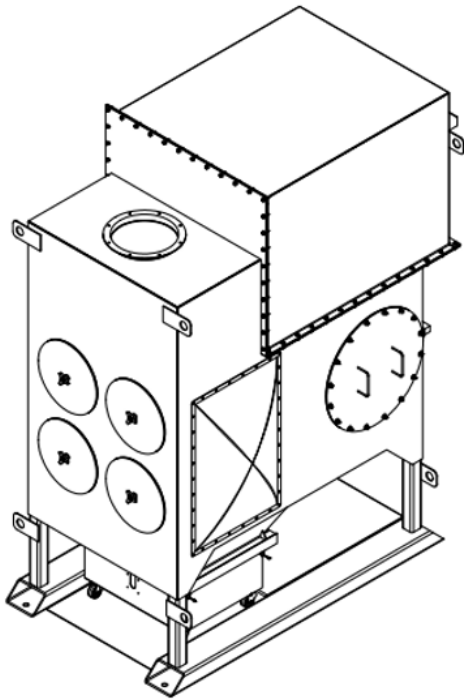
# Flex-Kleen iSeries Cartridge Dust Collector



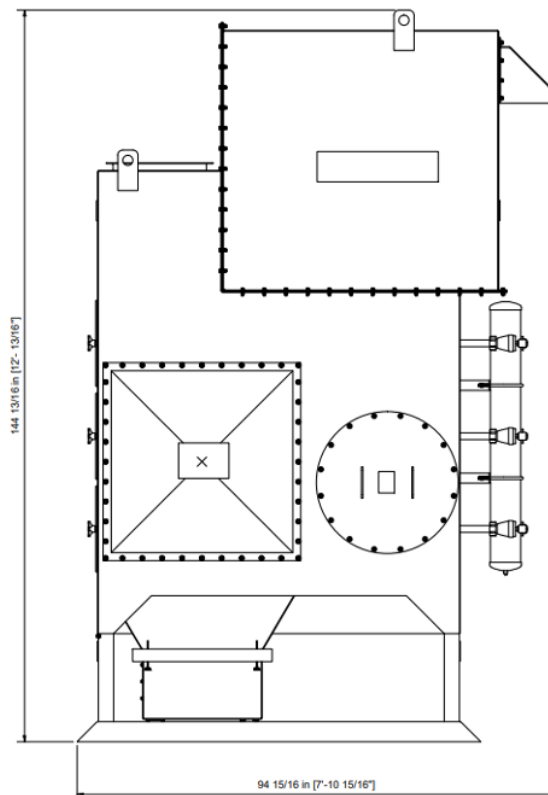
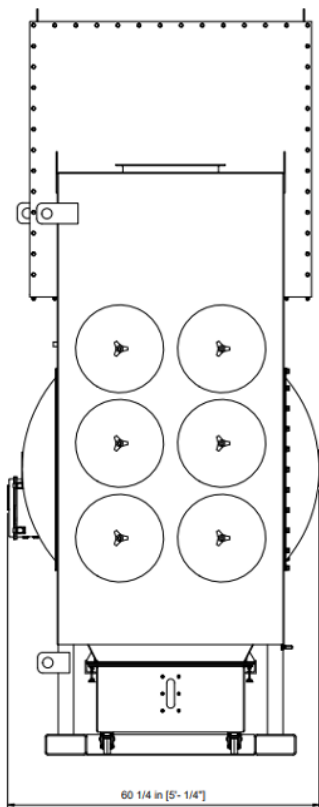
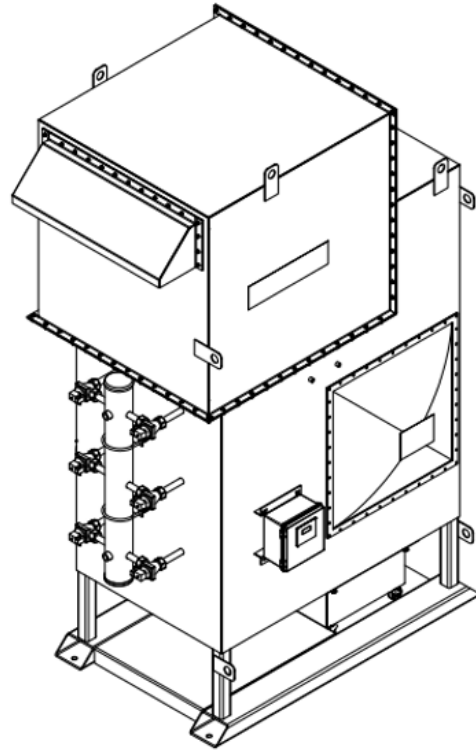
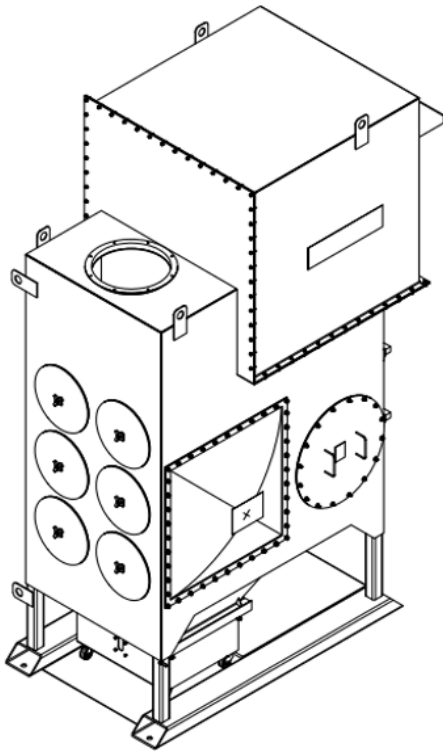
# i2 MODEL



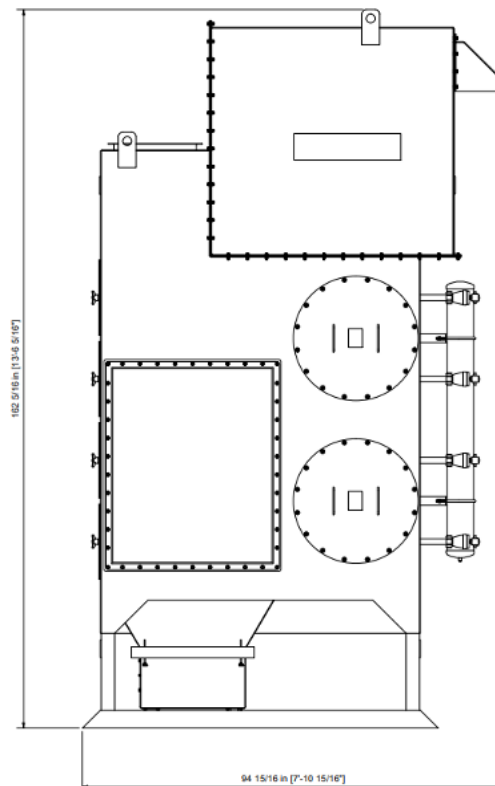
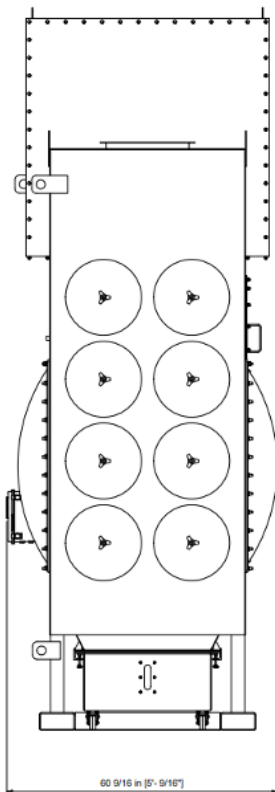
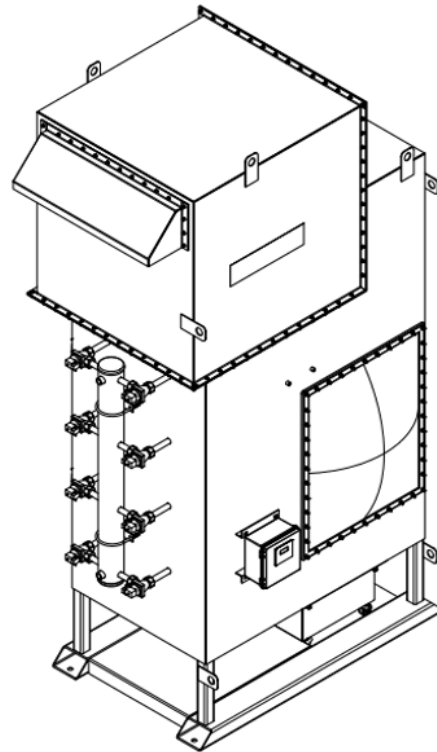
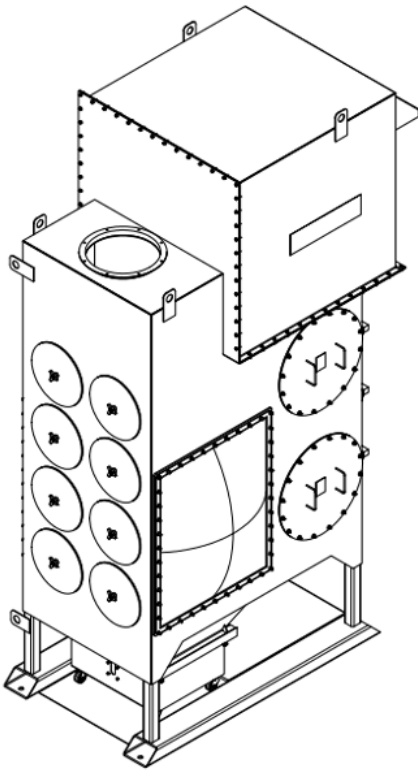
# i4 MODEL



# i6 MODEL



# i8 MODEL



## Design Limits

Operating Temperature: 32 deg. F to 150 deg. F

Max. Operating Pressure = +/- 2.27 psig.

Finish: Alkyd Enamel, RAL 9007, Gray Aluminum.

- Weights include filter cartridges and are for units before use.
- Excludes fan motor weight and dust disposal system.

## Dust Collector Weights

iSeries Model	Weight (lbs.)
i2	2950 lbs.
i4	4085 lbs.
i6	5050 lbs.
i8	5350 lbs.

## Fan Details

Dust Collector Model	Fan Motor HP	Motor
i2	7.5	230V/460V, 3PH, 60Hz
i4	10	230V/460V, 3PH, 60Hz
i6	15	230V/460V, 3PH, 60Hz
i8	20	230V/460V, 3PH, 60Hz

## Airflow Details

Dust Collector Model	Max Airflow (cfm)
i2	1400 acfm
i4	2820 acfm
i6	4230 acfm
i8	5640 acfm

## Electrical Requirements

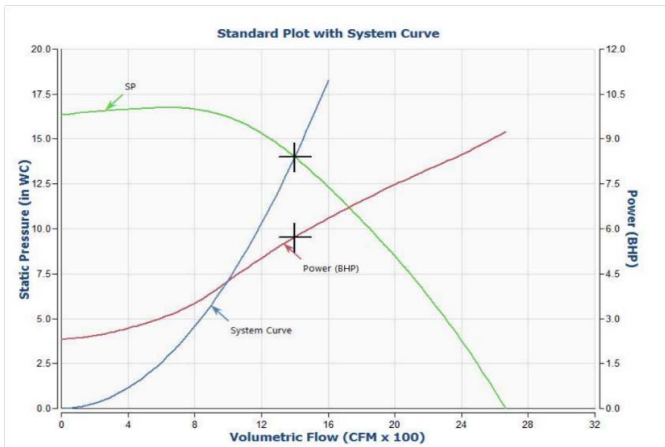
Fully Automatic Cleaning Mechanism:	GTX4 timer board with IoT functionality
Pulse Interval Time:	3-600 Sec.
Valve Opening Time:	50-1000 mSec.
Control Box Protection Class:	IP 67 to keep out dust and water under extreme conditions. Meets NEMA 6.
Input Voltage:	110-230 VAC, 1 Ph, 50-60 Hz

## Compressed Air Requirements

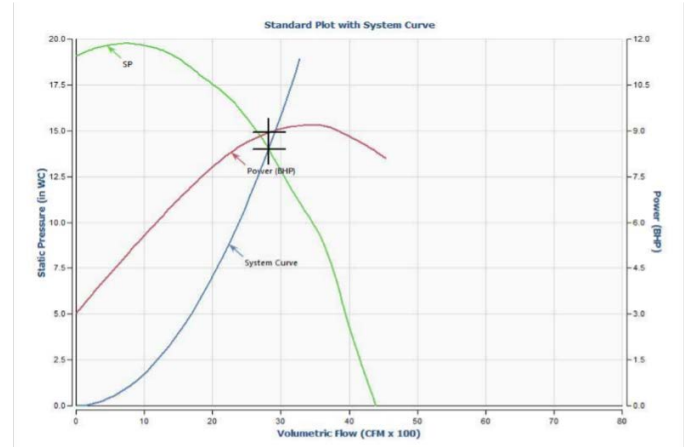
Compressed air requirements @ 80 - 100 psig = 14.4 scfm (based on program timer settings of 0.10 seconds "On-time" and 15 seconds "Off-time"). Air to be free of particulate matter and free of condensate at working temperature.

**Noise Level = 80 dB**

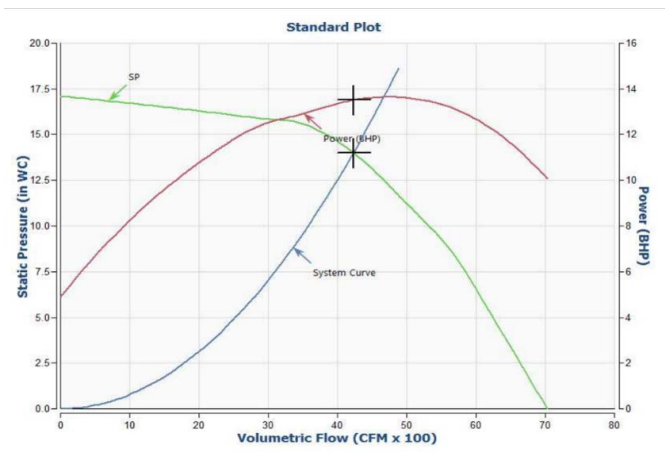
### i2 Fan Curve



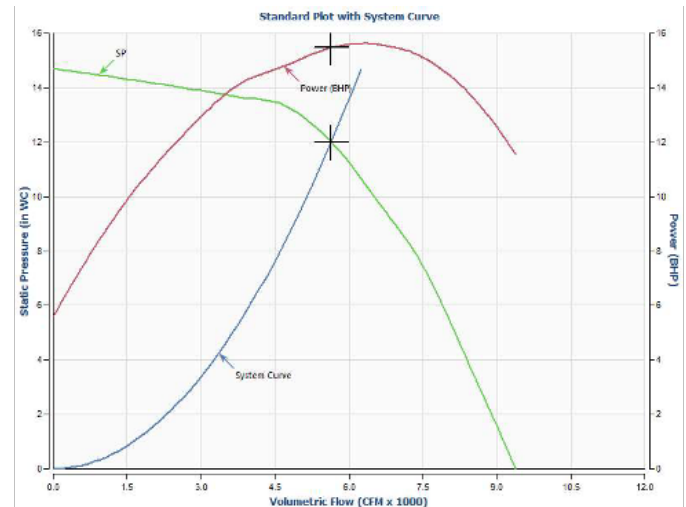
### i4 Fan Curve



### i6 Fan Curve



### i8 Fan Curve



## Fan Selection

These curves indicate static pressure available at fan inlet when attached to a collector.

1. Determine the air volume in cfm, needed to entrain the dust.
2. Estimate pressure drop through connected system.
3. Assess pressure drop over dust collector near the end of filter life (usually 4 in. w.g.).
4. The sum of 2 and 3 = static pressure at inlet.
5. Consult graph for fan performance available.



# ABOUT US

Founded in 1959, Flex-Kleen is part of CECO Environmental and is one of the world's leading suppliers of dry dust collector systems. Flex-Kleen's extensive experience and knowledge is incorporated into every dust collector, resulting in the highest reliability, performance and quality.

CECO ENVIRONMENTAL (NASDAQ: CECO) is a leading environmentally focused, diversified industrial company whose solutions protect people, the environment and industrial equipment across the globe, serving a broad landscape of industrial air, industrial water and energy transition markets.



## CECO Environmental

*For further information:*

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Email [info@OneCeco.com](mailto:info@OneCeco.com)

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