

# JAF 19-0848 Class

The **JONELL JAF 19-0848** is a high efficiency composite outer filter designed specifically for use in the protection of GE LM-6000 turbine packages. These pleated media filter elements are high flow capacity, inside to outside flow direction air filtration elements designed for the toughest applications in the industry. JAF 19-0848's are available in various media grades, with hardware, adhesives, and gaskets customizable to suit your application. These large diameter, large surface area pleated media cartridges are designed to provide the optimum combination of particle removal efficiency and contaminant holding capability.

The JONELL JAF 19-0848 is supported with robust corrosion resistant electro-galvanized metal parts. The filtering media and end cap seal is made via a highly resistant adhesives to prevent any possibility of by-pass. Additional sealing options may also be made available in cases where customer has compatibility concerns.



*JAF 19-0848 Series Cartridge*

## APPLICATION

Jonell JAF 19-0848 high flow capacity filtration cartridges are designed for utilization in inlet air filtration applications where turbine protection is critical. Due to the large amount of air required to operate a gas turbine, air cleanliness is extremely important to the operating life of the unit and the overall performance. Contaminated air can cause fouling, corrosion, and plugging of your cooling air passage. At Jonell we understand the importance of clean intake air and strive to continuously improve our air filtration technologies.

## FILTER CHARACTERISTICS

Air filter media used in Jonell Inc. JAF 19-0848 class air filter elements have been developed to meet or exceed turbine manufacturer's specifications in regard to efficiency (protection) and capacity (life).

The primary focus of the JAF 19-0848 design is to provide high rating efficiencies without compromising the element service life. In order to achieve this combination we select high permeability filtration medias designed around

maintaining very low pressure drops with exceptional contaminant holding properties

The Jonell JAF 19-0848 style element is available with various grades of backing media overlaid with our unique nano-fiber final filter layer. By using multiple layers of filtration media we can target multiple particles sizes ranges with each layer of media. In doing so we have the ability to customize the product to suit your individual needs.

Additionally fixed pore structure in our synthetic medias also prevents any possibility of bypass due to media migration or channeling.

Our full diameter gasket and gasket stop ensures a positive element seal allowing no chance of bypass due to sealing design.

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**MERV RATINGS OF AVAILABLE MEDIA GRADES**

Minimum Efficiency Reporting Value	JCP8515 HE	JCP8515 SE	JCP8515 HE-HP	JCP8515 SE-HP	JC100 HE	JC100 SE
Composite Min Avg	<i>Blended</i>	<i>Blended</i>	<i>High Perm</i>	<i>High Perm</i>	<i>Cellulose</i>	<i>Cellulose</i>
E1 (%) (0.3-1.0 μ)	78	50	88	58	80	58
E2 (%) (1.0-3.0 μ)	95	83	97	80	95	86
E3 (%) (3.0-10.0 μ)	99	98	100	98	100	99
	MERV 14	MERV 12	MERV 15	MERV 12	MERV 14	MERV 12

*Note 1: Results based on flat sheet testing. Field results will generally demonstrate improvement over above efficiencies.*

**SPECIFICATION**

Length	26 inches
Outside Diameter (w/ lip)	18 3/4 inches
Outside Diameter (w/o lip)	17 1/2 inches
Inside Diameter	14 inches

*Above dimensions are nominal*

**PERFORMANCE**

Standard Efficiency Rating	MERV 15
Suggested Change-Out DP	As Required
Maximum Suggested Operating Life	1 year
Minimum Operating Temperature	- 60° F
Maximum Operating Temperature	180° F

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