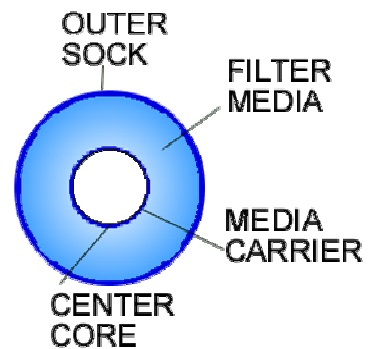


# Jonell Sock Type Elements

**Jonell**'s sock type filter elements are manufactured using specific blends of media designed for applications in which they are to be used. This custom design insures the compatibility as well as the efficiency of each Jonell element. The filter mat produced by the exclusive Jonell process gives a uniform gradient density filter media that provides long life and high particulate retention. The filter media is placed around a spiral locked metal core that provides superior support to resist high differential pressures without collapse. The filter element produced by this process provides true depth filtration. It also provides for a gradual differential pressure increase during the life of the element. The cartridge will not channel or by-pass.

## CONSTRUCTION

CENTER CORE :	CARBON STEEL - CORROSION RESISTANT - SPIRAL LOCKED WITH INTEGRAL SPRING
MEDIA CARRIERS AVAILABLE :	CEREX - REMAY - CHEESE CLOTH
MEDIA AVAILABLE:	JONELL BLEND - WHITE COTTON - POLYPROPYLENE - COTTON SLASHER - EXCELSIOR - BLENDS OF THESE
OUTER SOCK AVAILABLE :	COTTON - ORLON - POLYPROPYLENE
END SEALS:	TO PREVENT BY-PASS, THE ELEMENT CAN BE PROVIDED WITH A METAL PLUG



## MEDIAS

### **JB**

**Jonell** JB media is designed to economically filter lubricating oils in compressors and other rotating equipment, giving long life and resistance to degradation by naturally occurring acids generated during operation. The composition is 60% cotton and 40% polyester with efficiencies ranging from 2 microns up to 125 microns.

### **JP**

JP media is 100% polypropylene and commonly used in water applications at temperatures below 160°F where organic medias could fail due to bacterial attack or compatibility issues.

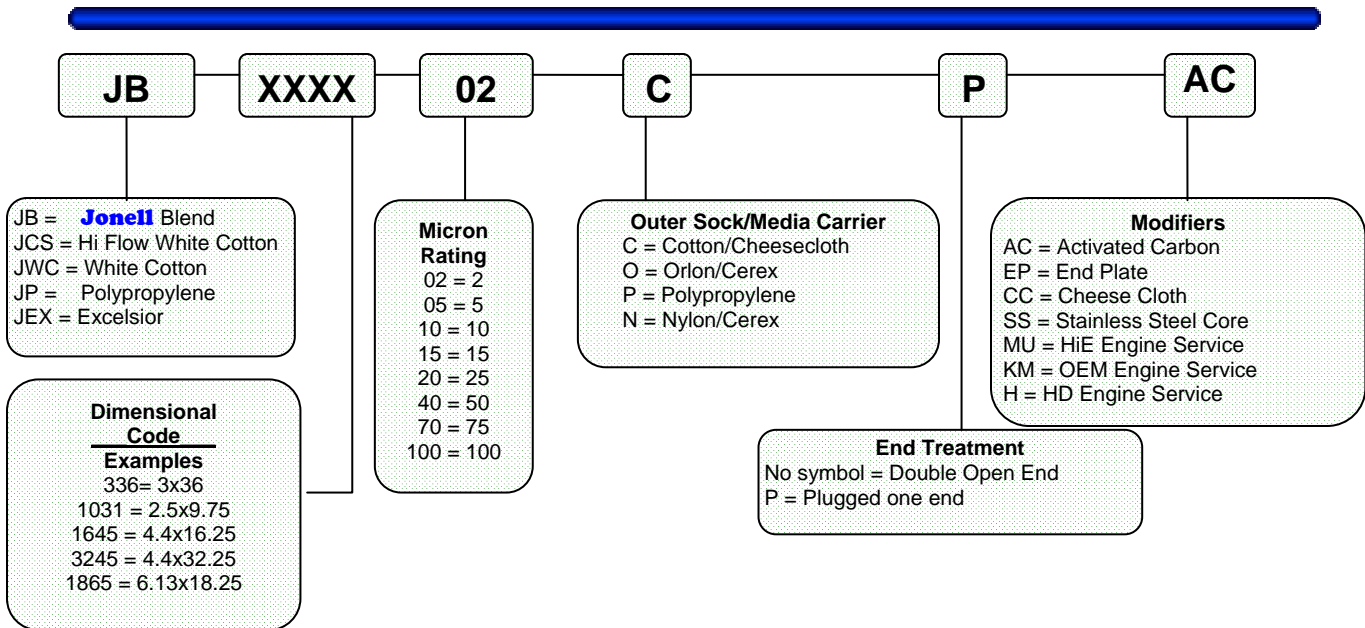
### **JCS**

JCS is a specific blend of media, known as cotton slasher, designed for use in contact solvents, such as amine, glycol, etc, having the tendency to foam. This custom design insures operation without creating any foaming due to trapped air within the element. The element is also completely compatible with no tendency to degrade. The filter mat produced by the exclusive **Jonell** process gives a uniform gradient density to the filter media that provides long life and high particulate retention capacity. The filter element produced by this process provides true depth filtration. It also provides for a gradual differential pressure increase during the life of the element.

### **JWC**

JWC media is designed to filter gas processing solvents without contributing to any tendency to foam. This is accomplished by utilizing, as the main media, virgin, natural cotton that has had all oils and naturally occurring surfactants extracted, instead of synthetic fibers that may contain residual surfactants, etc that could release under process conditions. These elements can be furnished in efficiencies ranging from 2 microns up to 125 microns. While it is highly recommended that these solvents be filtered to, at least, 5 microns, it may be necessary to, initially, use less efficient elements while cleaning-up a dirty system.

# NOMENCLATURE



## Operating Limits

Media	Temperature	pH	Clean DP	Final DP
JB	300 <sup>o</sup> F	5-10	2 psid	20 psid
JP	160 <sup>o</sup> F	1-12	2 psid	20 psid
JCS	300 <sup>o</sup> F	5-10	2 psid	20 psid
JWC	300 <sup>o</sup> F	5-10	2 psid	20 psid

## JB Series Sock Type Engine Elements

Numerous replacements for a variety of engine manufacturers are available. All use the preferred JB or Jonell Blend media to resist the products of combustion that can attack and degrade other medias.

There are three grades of media created by augmenting the blend with excelsior fiber to increase the micron rating.

The elements designated "H" blend are for use in systems having a relatively low flow rate and afford superior filtration.

Elements designated "KM" blend are direct replacements for the original equipment and are the mid range in efficiency.

The "MU" blend is for extreme conditions such as very cold start-up and high flow. This is the most open media with the resulting lowest efficiency.

The engine manufacturers recommendations for efficiency as well as flow should always be considered when contemplating a change in efficiency to address on-site conditions. Jonell can assist with a technical evaluation of a system when such problems occur.

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