

**JONELL** two phase liquid coalescing products are specifically designed to address the toughest applications the oil and gas industry has to offer. By using only the highest quality materials and the most robust designs, **JONELL** guarantees a finished product second to none. At **JONELL**, our every day goal truly is *Quality Filtration Made Simple.*

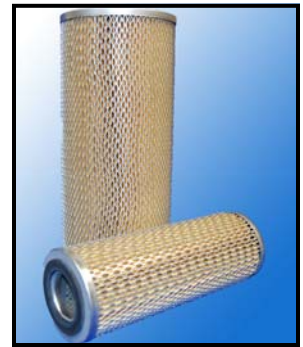
LIQUID—LIQUID  
COALESCING PRODUCTS

### JS SERIES PLEATED LIQUID SEPARATOR FILTER ELEMENTS

**JONELL JS Series** Industrial Separator Elements incorporate specially treated silicone impregnated cellulose to produce a hydrophobic media that repels water while allowing hydrocarbons to pass through. Due to the filtration level achieved in the coalescer stage, JS series cartridges rarely foul with solids and typically require replacement only every second or third coalescer change to a maximum service life of one year.

#### SPECIFICATIONS

Clean DP	< 1 PSID
Final DP	8 PSID
Collapse DP	75 PSID
Max Temperature	300°F
Micron Rating	5 µm
pH Range	5-9
Media	Silicone Impregnated Cellulose
Standard Hardware	Tin Plated Steel
Gaskets	Buna, EPR, Viton



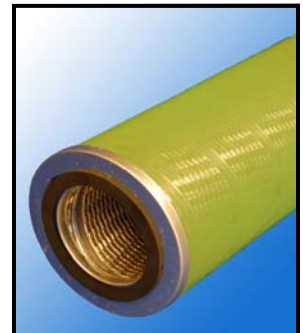
JS Series Separating Cartridges

### JST SERIES TEFLON COATED LIQUID SEPARATOR FILTER ELEMENTS

**JONELL JST Series** Industrial Separator Elements are constructed of Teflon® coated stainless steel screen. Similar to the JS Series, JST hydrophobic teflon media repels water while allowing hydrocarbons to pass through. Due to the filtration level achieved in the coalescer stage, JST elements also rarely foul with solid contaminants. JST elements are highly compatible in most applications and can withstand a wide pH

#### SPECIFICATIONS

Clean DP	< 1 PSID
Final DP	8 PSID
Collapse DP	75 PSID
Max Temperature	300°F
Micron Rating	200 Mesh
pH Range	1-14
Media	Teflon Coated Stainless Steel
Standard Hardware	Aluminum
Gaskets	Buna, EPR, Viton



JST Series Separating Cartridges

### STANDARD CONFIGURATIONS

Model	Configuration	Model	Configuration
JS-11	6"OD x 3.5"ID x 11.25"L	JST-611	6"OD x 3.5"ID x 11.25"L
JS-13	6"OD x 3.5"ID x 14.50"L	JST-614	6"OD x 3.5"ID x 14.50"L
JS-15	6"OD x 3.5"ID x 16.50"L	JST-622	6"OD x 3.5"ID x 22.50"L
JS-16	6"OD x 3.5"ID x 14.25"L	JST-633	6"OD x 3.5"ID x 33.25"L
JS-18	6"OD x 3.5"ID x 28.25"L	JST-636	6"OD x 3.5"ID x 36.00"L
JS-22	6"OD x 3.5"ID x 22.25"L	JST-644	6"OD x 3.5"ID x 44.00"L

Note: Above dimensions are approximate

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## J SERIES LIQUID COALESCING WAFER PACKS

**JONELL J Series** Liquid Coalescing Wafer Packs are designed in various materials and media densities specifically engineered for the separation of immiscible liquids. Through controlled fiber sizes and carefully distributed media densities, **JONELL** wafer packs provide maximum coalescing surface area to ensure the optimal fluid contact time prior to gravitational phase separation of coalesced fluids.



### SPECIFICATIONS

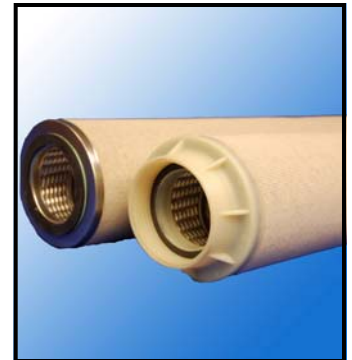
MEDIA	JPFG	JSS	JEX
Solids Removal	5μ	20μ	50μ
Initial DP	< 2 psid	< 1 psid	< 1 psid
Final DP	8 psid	8 psid	8 psid
Max Temperature	300°F	600°F	250°F
Effluent Residual	15-20 ppm	20 ppm	35-50 ppm

## JC SERIES LIQUID COALESCING FILTER ELEMENTS

**JONELL JC Series** Liquid Phase Coalescer Elements are designed to coalesce two immiscible liquid phases within a stream to aid separation. In addition to liquid coalescing, JC Series cartridges are also highly efficient particulate filters. To safe guard against solids, JC elements should always be protected by a pre-filter. In installations where no pre-filter exists, the **JCP Series** uses an additional pleated section on the upstream side of the coalescing media to extend the effective operating life and protect coalescing media.

### SPECIFICATIONS

Clean DP	< 2 PSID
Final DP	8 PSID
Collapse DP	< 75 PSID
Max Temperature	300°F
Micron Rating	0.5, 1, 5, 10, 25
pH Range	5-9
Media	Glass Fiber
Hardward	Tin Plated Steel
Outer Wrap	Cotton, Orlon
Gaskets	Buna, EPR, Viton



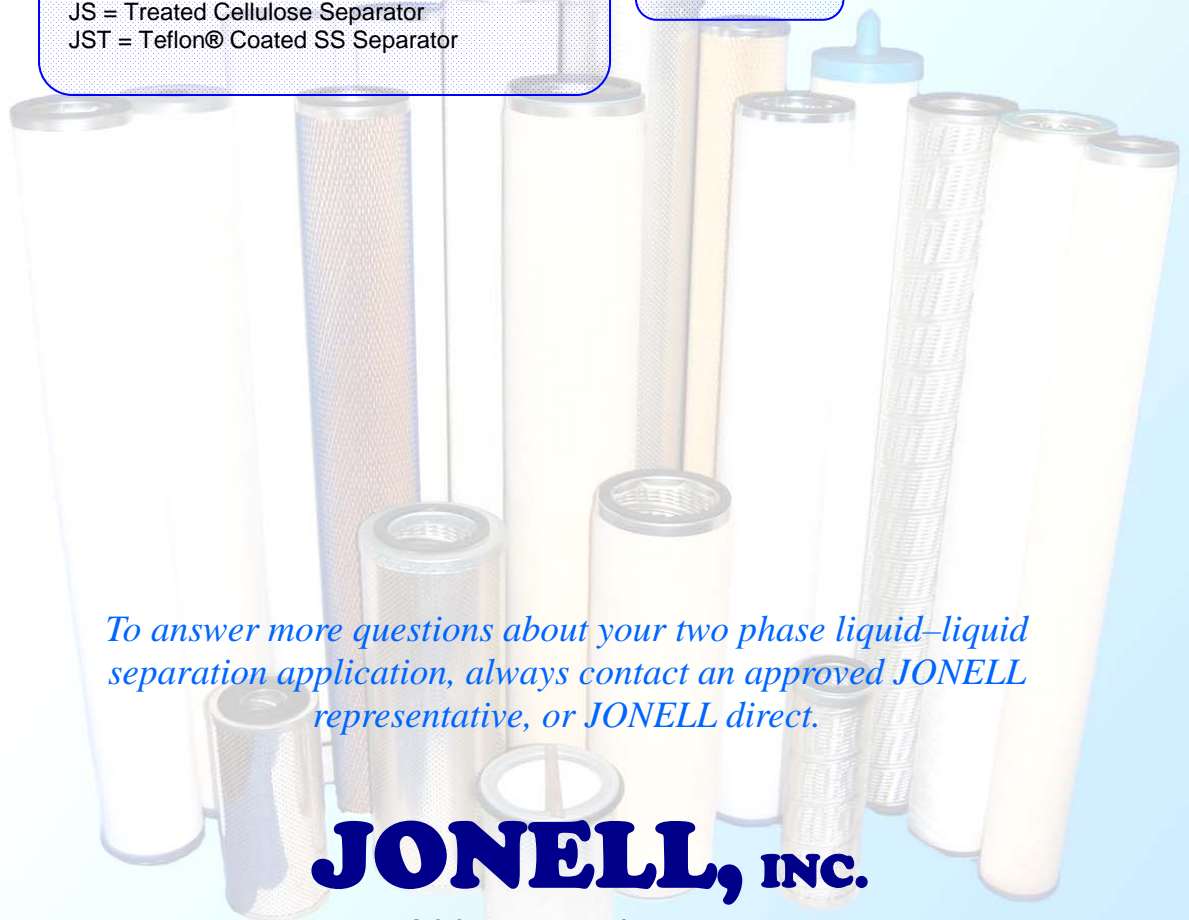
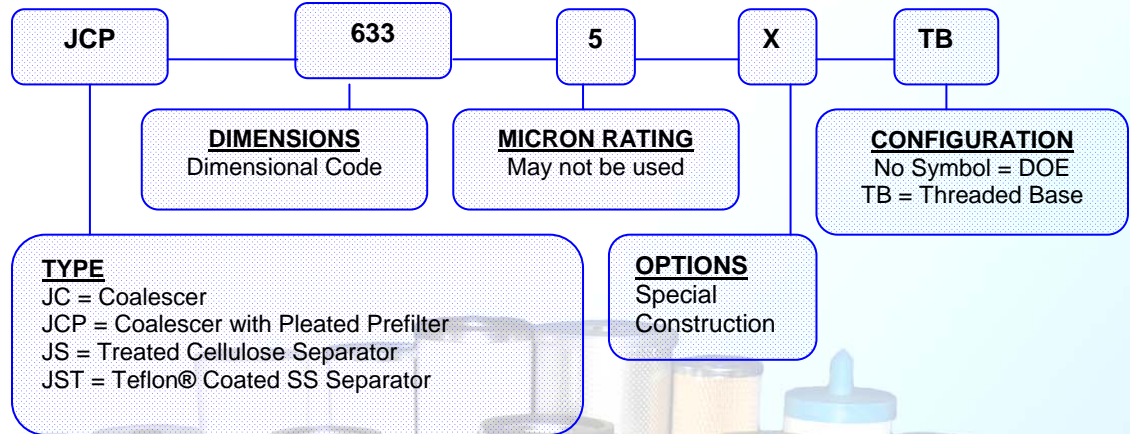
JC Series Coalescing Cartridges

### SPECIFICATIONS

Model	Flow Direction	Dimensions	Net Surface Area	Effluent Residual
JC-10	Inside to Outside	6"OD x 3.5"ID x 11.25"L	0.94 ft <sup>2</sup>	10 ppm
JC-12	Inside to Outside	6"OD x 3.5"ID x 22.25"L	1.85 ft <sup>2</sup>	10 ppm
JC-14	Inside to Outside	6"OD x 3.5"ID x 33.25"L	2.77 ft <sup>2</sup>	10 ppm
JC-16	Inside to Outside	6"OD x 3.5"ID x 14.25"L	1.19 ft <sup>2</sup>	10 ppm
JC-18	Inside to Outside	6"OD x 3.5"ID x 28.25"L	2.35 ft <sup>2</sup>	10 ppm
JC-22	Outside to Inside	6"OD x 3.5"ID x 22.25"L	2.91 ft <sup>2</sup>	15-20 ppm
<b>Prefilter / Coalescer</b>				
JC-611	Inside to Outside	6"OD x 3.5"ID x 11.25"L	3.9 / 1.09 ft <sup>2</sup>	10 ppm
JC-614	Inside to Outside	6"OD x 3.5"ID x 14.5"L	5.03 / 1.41 ft <sup>2</sup>	10 ppm
JC-622	Inside to Outside	6"OD x 3.5"ID x 22.25"L	7.73 / 2.16 ft <sup>2</sup>	10 ppm
JC-628	Inside to Outside	6"OD x 3.5"ID x 33.25"L	8.76 / 2.75 ft <sup>2</sup>	10 ppm
JC-633	Inside to Outside	6"OD x 3.5"ID x 33.25"L	11.55 / 3.23 ft <sup>2</sup>	10 ppm
JC-636	Inside to Outside	6"OD x 3.5"ID x 36"L	12.5 / 3.5 ft <sup>2</sup>	10 ppm
JC-644	Inside to Outside	6"OD x 3.5"ID x 44"L	15.8 / 4.28 ft <sup>2</sup>	10 ppm
JC-656	Inside to Outside	6"OD x 3.5"ID x 56"L	19.45 / 5.44 ft <sup>2</sup>	10 ppm

Note: JC style coalescing elements are depth style elements making surface area a poor comparison for element capacity

**TWO PHASE LIQUID COALESCING AND SEPARATING NOMENCLATURE**



*To answer more questions about your two phase liquid-liquid separation application, always contact an approved JONELL representative, or JONELL direct.*

**JONELL, INC.**

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