

## **STAINLESS STEEL HIGH EFFICIENCY COALESCING FILTER Series 7130 and 7140**

### **DESCRIPTION**

These filters are ideal for removing liquid and solid contaminants, such as water, oil, and particulates, from air, inert, and reactive gas streams. They are an excellent choice for purifying gas streams containing corrosive components. These filters fitted with a Type K fluorocarbon resin element are particularly suited for use in gas streams where highly reactive gases are being analyzed, since these elements exhibit very low levels of adsorption. Housing are constructed without welds of 316L stainless steel. They are available with porting of 1/4" NPT female and 1/2" NPT female.

### **FILTER ELEMENTS**

**Coalescer Type 70K:** These elements have an efficiency rating of 95% against 0.1 micron particles and aerosols. They are a good choice for general purpose applications requiring clean compressed gas.

**Coalescer Type 50K:** These elements have an efficiency rating of 99.99% against 0.1 micron particles and aerosols and should be used for the most demanding applications requiring a high quality clean gas. For the best performance, a Type 70K element should be used as a pre-filter to the 50K.

**Stainless Steel Type 01:** These elements are constructed of sintered stainless steel or stainless steel mesh. They are especially useful in highly contaminated gas streams as they may be cleaned and reused. They are available in filtering efficiencies of 1, 10, 25 and 100 microns.

### **FEATURES**

- Complete removal of solid and liquid contaminants from gas streams.
- High flow rates with low pressure drop.
- Selection of non-reactive or stainless steel filter elements.
- Wide selection of sizes.
- Relatively low internal volume.

### **MATERIALS OF CONSTRUCTION**

Housing	316L stainless steel
Seals	Viton

### **SPECIFICATIONS**

Max. operating pressure:	1500 psig
	HP models 3000 psig

Max. operating temperature: 400°F



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(800) 649-6704 or (617) 387-5050  
www.MiddlesexGases.com  
Info@MiddlesexGases.com

**HOW TO ORDER** (Filter housings and filter elements are ordered as separate items.)

Model	Port Size	Drain Port	Dimensions (inches)			Filter Element P/N
			A	B	C	
7130-P4FF	1/4" NPTF	1/4" NPTF	0.59	2.52	5.16	25-64-xxx* or SS-130-xx*
7132-P8FF	1/2" NPTF	1/4" NPTF	0.59	2.52	5.16	25-64-xxx* or SS-130-xx*
7132HP-P8FF	1/2" NPTF	1/4" NPTF	0.59	2.95	5.16	25-64-xxx* or SS-130-xx*
7140-P4FF	1/4" NPTF	1/4" NPTF	0.59	2.52	9.69	25-178-xxx* or SS-140-xx*
7142-P8FF	1/2" NPTF	1/4" NPTF	0.59	2.52	9.69	25-178-xxx* or SS-140-xx*
7142HP-P8FF	1/2" NPTF	1/4" NPTF	0.59	2.95	9.69	25-178-xxx* or SS-140-xx*

\* Select element from table below.

### Elements

P/N	P/N
25-64-70K	SS-130-xx **
25-64-50K	SS-140-xx **
25-178-70K	** Select micron size desired
25-178-50K	

**Size Suffix	Micron Size
01	1
10	10
25	25
100	100

## AIR FLOW RATES IN SCFM AT 1.5 PSI PRESSURE DROP

### FILTER HOUSINGS USING ELEMENT SIZES 25-64 OR SS-130

Model	Element Grade		Air Pressure (psig)								
	Fluorocarbon	SS	1.5	15	30	60	100	150	250	1500	3000
7130 Series	50K, 50C	01	2.8	5.4	7.8	13	20	29	47	264	528
	70K, 70C	10	5.9	11	16	26	41	58	94	534	1070
		25/100	6.5	11	17	29	44	63	103	582	1160

### FILTER HOUSINGS USING ELEMENT SIZES 25-148 OR SS-140

Model	Element Grade		Air Pressure (psig)								
	Fluorocarbon	SS	1.5	15	30	60	100	150	250	1500	3000
7140 Series	50K, 50C	01	5.3	10	15	25	38	55	87	504	1008
	70K, 70C	10	7.1	13	19	32	48	69	112	636	1270
		25/100	7.7	14	21	35	53	78	125	708	1420