

HIGH EFFICIENCY COALESCING FILTER

Series 7300

DESCRIPTION

These filters are ideal for removing liquid and solid contaminants, such as water, oil, and particulates, from air and inert gas streams. They are an excellent choice for purifying the air from oil lubricated compressors. Housing are constructed of aluminum with porting from 1/4" NPT female to 3" NPT female. A large range of flow rates are accommodated by this variety of size.

FILTER ELEMENTS

Coalescer Type 70C: 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 for powering valves, cylinders, air tools, etc.

Coalescer Type 50C: 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 70C coalescer should be used as a pre-filter to the 50C.

Adsorption Type CC: Coalescing filters can only remove the oil and water present in gas lines as liquid aerosols. They cannot remove the small fraction of oil present as a true vapor or water vapor. Type CC cartridges are vapor adsorption filters which will remove such gaseous contamination. It is important to remember that Type CC cartridges must always be preceded by a Type 50C coalescing pre-filter.

FEATURES

- Complete removal of oil, water and solids.
- High flow rates with low pressure drop.
- Low cost, completely disposable filter elements.
- Wide selection of sizes.
- Available with manual or fully automatic drains.

MATERIALS OF CONSTRUCTION

Housing	aluminum
Seals	Buna-N
Internals	models 7315, 7360 - nylon models 7370, 7380, 7385, 7390, 7395 SS/aluminum

SPECIFICATIONS

Max. operating pressure: 250 psig

Max. operating temperature: 200°F



Elements P/N

12-32-70C	25-127-70C	38-152-50C	51-476-50C
12-32-50C	25-127-50C	38-152-CC**	51-476-CC**
12-32-CC**	25-178-70C	51-230-70C	63-762-70C
25-64-70C	25-178-50C	51-230-50C	63-762-50C
25-64-50C	25-178-CC**	51-230-CC**	63-762-CC**
25-64-CC**	38-152-70C	51-476-70C	

*CC cartridges are not used with automatic drains.

HIGH EFFICIENCY COALESCING FILTER *CONTINUED*

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(800) 649-6704 or (617) 387-5050
www.MiddlesexGases.com
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HOW TO ORDER (Filter housings and filter elements are ordered as separate items.)

Model	Port Size	Drain type	Dimensions (inches)			Filter Element P/N
			A	B	C	
7315-P4FF	1/4" NPTF	manual	0.39	1.57	4.45	12-32-xxx*
7360-P4FF	1/4" NPTF	manual	0.61	2.44	6.30	25-64-xxx*
7360-P8FF	1/2" NPTF	manual	0.61	2.44	6.30	25-64-xxx*
7360F-P4FF	1/4" NPTF	automatic	0.61	2.44	7.17	25-64-xxx*
7360F-P8FF	1/2" NPTF	automatic	0.61	2.44	7.17	25-64-xxx*
7370-P8FF	1/2" NPTF	manual	0.61	2.44	10.28	25-178-xxx*
7370F-P8FF	1/2" NPTF	automatic	0.61	2.44	10.28	25-127-xxx*
7380-P12FF	3/4" NPTF	manual	1.0	3.94	11.61	38-152-xxx*
7380F-P12FF	3/4" NPTF	automatic	1.0	3.94	11.61	38-152-xxx*
7380-P16FF	1" NPTF	manual	1.0	3.94	11.61	38-152-xxx*
7380F-P16FF	1" NPTF	automatic	1.0	3.94	11.61	38-152-xxx*
7385-P24FF	1.5" NPTF	manual	1.85	5.51	14.57	51-230-xxx*
7385F-P24FF	1.5" NPTF	automatic	1.85	5.51	14.57	51-230-xxx*
7390-P32FF	2" NPTF	manual	1.85	5.51	25.0	51-476-xxx*
7390F-P32FF	2" NPTF	automatic	1.85	5.51	25.0	51-476-xxx*
7395-P48FF	3" NPTF	manual	2.56	7.48	38.19	63-762-xxx*
7395F-P48FF	3" NPTF	automatic	2.56	7.48	38.19	63-762-xxx*

* Select element from table on previous page.

AIR FLOW RATES IN SCFM AT 2 PSI PRESSURE DROP

Housing Model	Line Size	Element Grade	Air Line Pressure (psig)								
			2	20	40	60	80	100	150	200	250
7315	1/4"	70C	4.4	9.0	12	20	25	30	43	56	69
		50C	1.3	2.7	4.3	5.9	7.4	9.0	12	17	21
		CC	0.7	1.5	2.4	3.3	4.1	5.0	7.2	9.4	12
7360 and 7360F	1/4" or 1/2"	70C	9.5	20	31	42	54	65	93	122	150
		50C	3.6	8	12	16	21	25	36	47	58
		CC	2.2	4.5	7.2	10	12	15	22	28	35
7370 and 7370F	1/2"	70C	22	45	72	98	125	150	215	280	345
		50C	8.7	18	29	39	50	60	86	112	138
		CC	5.8	12	19	26	33	40	57	75	92
7380 and 7380F	3/4" or 1"	70C	58	120	190	260	330	400	570	750	920
		50C	15	30	48	65	83	100	144	187	230
		CC	12	24	38	52	66	80	115	150	185
7385 and 7385F	1 1/2"	70C	116	240	380	520	660	800	1150	1500	1850
		50C	25	53	83	114	144	175	250	330	405
		CC	18	38	60	81	103	125	180	235	290
7390 and 7390F	2"	70C	205	425	670	910	1160	1400	2010	2620	3230
		50C	51	106	167	230	290	350	505	655	810
		CC	36	76	120	163	205	250	360	470	580
7395 and 7395F	3"	70C	400	835	1320	1800	2300	2800	4320	5900	7200
		50C	115	240	380	520	665	795	1226	1710	2100
		CC	80	170	270	365	470	560	864	1200	1450