

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*

Series 7300

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 |