



COMPRESSED AIR FILTERS

High efficiency filtration for clean & technically oil-free compressed air

R- SERIES

R-SERIES COMPRESSED AIR FILTER

FILTER HOUSINGS SPECIFICATIONS

| | |
|----------------------------|---|
| Description | Housings designed for application in non-aggressive compressed air systems. |
| Housing Material | Cast aluminium |
| Maximum Operating Pressure | 16 bar (232 psi) and 50 bar (725 psi) |
| Protective Coating | Chromatisation |
| External Coating | Powder coated |
| Inlet and Outlet Port | BSP Threaded (NPT available upon request) |
| Element Securing Method | Tie-Rod design |

STANDARD AND OPTIONAL ACCESSORIES

| | |
|-----------------------------------|---|
| Filter Element | Five filtration grades available (Refer to table below) |
| Condensate Drain | Standard mechanical float auto-drains for 16 bar filters, manual ball valve for 50 bar filters. |
| Differential Pressure Measurement | Differential pressure gauge and differential pressure indicator for 16 bar, both are optional. |

FILTRATION GRADE

| | |
|-------------------------------------|---|
| Grade-P Particulate Filter | Particle removal down to 3 micron |
| Grade U Coalescing Filter (D. Blue) | Particle removal down to 1.0 micron. Oil removal down to 0.1 mg/m ³ |
| Grade H Coalescing Filter (C. Red) | Particle removal down to 0.01 micron. Oil removal down to 0.01 mg/m ³ |
| Grade S Coalescing Filter (Green) | Particle removal down to 0.01 micron. Oil removal down to 0.001 mg/m ³ |
| Grade C Act. Carbon Filter | Oil removal down to 0.003 mg/m ³ |

STANDARD FACTORY TEST

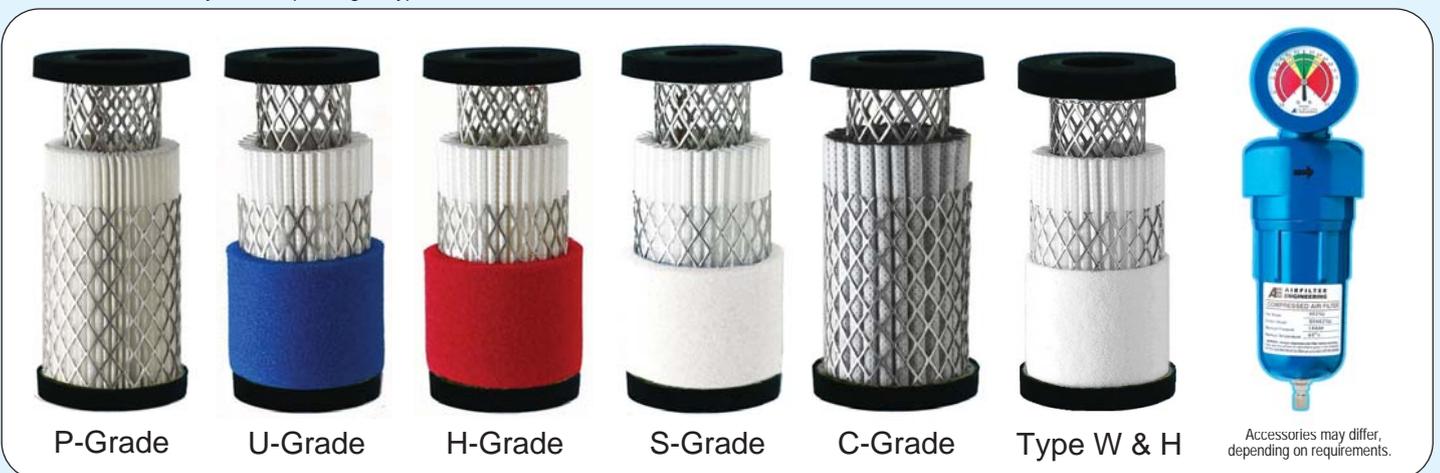
| | |
|-------------|--|
| For Housing | Hydrostatic test with water pressure at 1.5 times max operating pressure |
| For Housing | Leakage Test with air pressure at about 7 bar (101.5 psi) |
| For Element | Integrity Test with pressurized particles of 0.2-20 micron |

FILTER MODEL (16 BAR / 232 PSI MAX AND 50 BAR / 725 PSI)

| Model | Type | Conn. | 16 Bar Max | | 50 Bar Max | | Approx. Dimensions, mm | | | | |
|-------|----------|--------|--------------------------|----------|--------------------------|----------|------------------------|-----|----|-----|-----|
| | | | Cap. m ³ /min | Cap. cfm | Cap. m ³ /min | Cap. cfm | A | B | C | D | E |
| R012 | Threaded | 1/4" | 0.78 | 27 | 1.72 | 59 | 91 | 169 | 27 | 66 | 32 |
| R018 | Threaded | 3/8" | 1.08 | 38 | 2.38 | 84 | 91 | 189 | 27 | 100 | 32 |
| R025 | Threaded | 1/2" | 1.49 | 53 | 3.28 | 117 | 91 | 189 | 27 | 100 | 32 |
| R041 | Threaded | 3/4" | 2.49 | 88 | 5.48 | 193 | 91 | 262 | 27 | 169 | 32 |
| R062 | Threaded | 1" | 3.73 | 132 | 8.21 | 290 | 139 | 252 | 40 | 123 | 32 |
| R112 | Threaded | 1 1/4" | 6.73 | 237 | 14.81 | 521 | 139 | 355 | 40 | 233 | 32 |
| R177 | Threaded | 1 1/2" | 10.62 | 375 | 23.36 | 825 | 139 | 457 | 40 | 326 | 32 |
| R233 | Threaded | 1 1/2" | 13.99 | 494 | 30.78 | 1087 | 139 | 652 | 40 | 521 | 32 |
| R343 | Threaded | 2" | 20.60 | 727 | 45.32 | 1599 | 190 | 480 | 57 | 377 | 140 |
| R514 | Threaded | 2 1/2" | 30.87 | 1089 | 67.91 | 2396 | 190 | 660 | 57 | 541 | 140 |



Note: Capacities at FAD, 7 bar g refers to the capacities under 16 Bar Max. 50 Bar Max capacities are FAD, 50 bar g.
Please contact us for details on capacities at other pressures
Dimension E may differ, depending on type of drain installed.



Accessories may differ, depending on requirements.