



# 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 <sup>3</sup>
Grade H Coalescing Filter (C. Red)	Particle removal down to 0.01 micron. Oil removal down to 0.01 mg/m <sup>3</sup>
Grade S Coalescing Filter (Green)	Particle removal down to 0.01 micron. Oil removal down to 0.001 mg/m <sup>3</sup>
Grade C Act. Carbon Filter	Oil removal down to 0.003 mg/m <sup>3</sup>

## 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		Approx. Dimensions, mm				
			Cap. m <sup>3</sup> /min	Cap. cfm	A	B	C	D	E
R012	Threaded	1/4"	0.78	27	91	169	27	66	32
R018	Threaded	3/8"	1.08	38	91	189	27	100	32
R025	Threaded	1/2"	1.49	53	91	189	27	100	32
R041	Threaded	3/4"	2.49	88	91	262	27	169	32
R062	Threaded	1"	3.73	132	139	252	40	123	32
R112	Threaded	1 1/4"	6.73	237	139	355	40	233	32
R177	Threaded	1 1/2"	10.62	375	139	457	40	326	32
R233	Threaded	1 1/2"	13.99	494	139	652	40	521	32
R343	Threaded	2"	20.60	727	190	480	57	377	140
R514	Threaded	2 1/2"	30.87	1089	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.

