AIRFILTER® ENGINEERING

Certificate No: KLR0403771

WATER SEPARATORS (RCS SERIES)

HOUSINGS SPECIFICATIONS

Description	Housings designed for application in non-aggressive compressed air systems.
Product Compliance To	European Pressure Equipment Directives, PED 2014/68/EU (For 16 Bar Separators)
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)
Mechanism Securing Method	Tie-Rod design

STANDARD AND OPTIONAL ACCESSORIES

Automatic Drain (Mechanical)	Mechanical float auto-drains (16 bar) and manual drains (50 bar) - Standard
Automatic Drain (Electronic)	Electronic sensor and timer auto-drains (16 bar and 50 Bar max) – Optional

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)

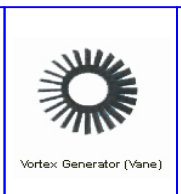
WATER SEPARATOR MODEL

Model	Type	Conn.	Max. 16 Bar Water Separator (Capacity At 7 Bar g)		Max. 50 Bar Water Separator (Capacity At 50 Bar g)		Approx. Dimensions, mm				
			m3/min	cfm	m3/min	cfm	A	B	C	D	E
RCS012*	Threaded	1/4 ”	0.60	21	1.50	52	89	170.5	26.5	66	40
RCS018*	Threaded	3/8 “	1.25	44	3.12	110	89	189	26.5	82	40
RCS025*	Threaded	1/2 “	2.84	100	7.10	250	89	189	26.5	100	40
RCS041*	Threaded	3/4 “	4.52	159	11.30	399	89	262	26.5	169	40
RCS062*	Threaded	1”	7.02	247	17.55	619	138	252	40.0	123	40
RCS112*	Threaded	1 1/4”	11.02	389	27.55	972	138	355	40.0	233	40
RCS177*	Threaded	1 1/2	18.50	653	46.25	1,633	138	457	40.0	326	40
RCS343*	Threaded	2”	21.08	744	52.70	1,861	190	480	56.5	377	140
RCS343-65*	Threaded	2 1/2”	35.38	1249	88.45	3,123	190	480	56.5	377	140

Note: Replace asterisk with relevant product code.

FEATURES AND ADVANTAGES
Removes up to 99% bulk water
Very low maintenance cost
Simple and easy to install
Efficient automatic drain
Robust aluminium housing

Capacity Correction Factor For Various Operating Pressure									
Pressure	1	2	3	4	5	6	7	8	9
Factor	0.25	0.38	0.5	0.65	0.75	0.88	1	1.13	1.25
Pressure	10	11	12	13	14	15	16	50	
Factor	1.38	1.5	1.63	1.75	1.88	2	2.13	2.5	




50 Bar


16 Bar


16 Bar