



# WATER SEPARATORS

Centrifugal separation to remove up to 99%  
of water aerosol in compressed air

**RCS-SERIES**

## HOUSINGS SPECIFICATIONS

Description	Housings designed for application in non-aggressive compressed air systems.
Product Compliance To	European Pressure Equipment Directives, PED 97/23/EC (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: 16B for max pressure 16 BAR or 50B for max pressure 50 BAR

## 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	



[www.airfilterengineering.com](http://www.airfilterengineering.com)

Airfilter Engineering reserves the right to change specifications without prior notice (Rev2.121101)



**PT. ARJUNA  
SOLUSI SEJAHTERA**

### INDONESIA DISTRIBUTOR:

### PT. ARJUNA SOLUSI SEJAHTERA

Office: Central Business District, Greenlake City, Ruko CBD Blok C-68, Cipondoh, Tangerang  
Warehouse: Mutiara Taman Palem blok A3 no. 21, Jakarta Barat

Phone: 021-22524347

Website: [www.arjunasolusi.co.id](http://www.arjunasolusi.co.id)

Email: [sales@arjunasolusi.co.id](mailto:sales@arjunasolusi.co.id)

