



## WATER SEPARATOR Model Number C855 Maximum Pressure 16 BA laimum Temperature 80\* to instrumente nce Manual p

## WATER SEPARATORS

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

Compressed air is normally saturated with moisture in the form of water vapour as well as aerosol, and this needs to be removed to prevent problems further downstream at the point of application.

FS-Curtis water separator is specially designed based on the proven centrifugal separation to remove up to 99% of the water aerosol in compressed air. Working in conjunction with other compressed air treatment products like filters, after-coolers and dryers, the water separator is a very cost effective way of further enhancing their efficiency by ensuring that bulk water generated in the compressed air is properly separated and discharged from the system.





Max. Pressure 16 Bar g





Max. Pressure 50 Bar g



Dimensions (mm)

С

24

D

60

E\*

41

Capacity @ 7 Bar g Model Pipe Capacity @ 50 Bar g • Removes up to 99% bulk water Number Conn m3/min cfm m3/min • Very low maintenance cost cfm kg А В • Simple and easy to install 1/2" 0.92 32.49 81 CS0010 2.30 0.92 87 151 Efficient automatic drain • Robust aluminium housing 100% tested Powder coated • Chromatised housing ØA



FEATURES AND ADVANTAGES

													1		
1/2"	2.	50	88.29		6.25	221		1.00	87	1	92	24	9	D	41
3/4"	4.	08	144.0	8 1	0.20	360		1.18	87	2	63	24	9	D	41
1"	6.	58	232.37		6.45	581		3.68	130	285		43	13	5	44
1 1/2	" 10	.58 373.6		3 2	6.45	934		3.98	130	3	385		23	5	44
1 1/2	" 13	.83	488.4	р з	4.58	1,220	0	4.54	130	4	85	43	33	5	44
1 1/2	" 17	.00	600.3	00.35 4		1,500		5.74	130	130 685		43	52	25	44
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
0.25	0.38	0.5	0.65	0.75	0.88	1.0	1.13	3 1.25	1.38	1.51	1.63	1.75	1.88	2.0	2.13
	3/4" 1" 1 1/2 1 1/2 1 1/2 1 1/2 1	3/4"     4.       1"     6.       1 1/2"     10       1 1/2"     13       1 1/2"     17       1 1/2"     17       1 1/2"     17	3/4"     4.08       1"     6.58       1 1/2"     10.58       1 1/2"     13.83       1 1/2"     17.00       1 1/2"     17.00	3/4" $4.08$ $144.03$ $1"$ $6.58$ $232.3"$ $1 1/2"$ $10.58$ $373.63$ $1 1/2"$ $13.83$ $488.44$ $1 1/2"$ $17.00$ $600.33$ $1 1/2"$ $3.4$ $4.08$ $1 1/2"$ $17.00$ $600.33$ $1 1/2"$ $3.4$ $4.00$	3/4"     4.08     144.08     1       1"     6.58     232.37     1       1 1/2"     10.58     373.63     2       1 1/2"     13.83     488.40     3       1 1/2"     17.00     600.35     4       1 1/2"     17.00     600.35     4       1 1/2"     17.00     600.35     4	$3/4^{\circ}$ $4.08$ $144.08$ $10.20$ $1^{\circ}$ $6.58$ $232.37$ $16.45$ $11/2^{\circ}$ $10.58$ $373.63$ $26.45$ $11/2^{\circ}$ $13.83$ $488.40$ $34.58$ $11/2^{\circ}$ $17.00$ $600.35$ $42.50$ $11/2^{\circ}$ $33$ $4$ $5$ $11/2^{\circ}$ $33$ $4$ $5$	$3/4^{\circ}$ $4.08$ $144.08$ $10.20$ $360$ $1^{\circ}$ $6.58$ $232.37$ $16.45$ $581$ $11/2^{\circ}$ $10.58$ $373.63$ $26.45$ $934$ $11/2^{\circ}$ $13.83$ $488.40$ $34.58$ $1,22$ $11/2^{\circ}$ $17.00$ $600.35$ $42.50$ $1,50$ 1 $2$ $3$ $4$ $5$ $6$ $7$	3/4" $4.08$ $144.08$ $10.20$ $360$ $361$ 1" $6.58$ $232.37$ $16.45$ $581$ $11/2"$ $11/2"$ $10.58$ $373.63$ $26.45$ $934$ $11/2"$ $13.83$ $488.40$ $34.58$ $1,220$ $11/2"$ $17.00$ $600.35$ $42.50$ $1,500$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"$ $11/2"       11/2"       11/2"$	3/4"     4.08     144.08     10.20     360     1.18       1"     6.58     232.37     16.45     581     3.68       1 1/2"     10.58     373.63     26.45     934     3.98       1 1/2"     13.83     488.40     34.58     1,220     4.54       1 1/2"     17.00     600.35     42.50     1,500     5.74       1     2     3     4     5     6     7     8     9	3/4"       4.08       144.08       10.20       360       1.18       87         1"       6.58       232.37       16.45       581       3.68       130         1 1/2"       10.58       373.63       26.45       934       3.98       130         1 1/2"       13.83       488.40       34.58       1,220       4.54       130         1 1/2"       17.00       600.35       42.50       1,500       5.74       130         1 1/2"       17.00       600.35       6       7       8       9       10	3/4"       4.08       144.08       10.20       360       1.18       87       2         1"       6.58       232.37       16.45       581       3.68       130       2         1 1/2"       10.58       373.63       26.45       934       3.98       130       3         1 1/2"       13.83       488.40       34.58       1,220       4.54       130       4         1 1/2"       17.00       600.35       42.50       1,500       5.74       130       6         1       2       3       4       5       6       7       8       9       10       11	3/4"       4.08       144.08       10.20       360       1.18       87       263         1"       6.58       232.37       16.45       581       3.68       130       285         1 1/2"       10.58       373.63       26.45       934       3.98       130       385         1 1/2"       13.83       488.40       34.58       1,220       4.54       130       485         1 1/2"       17.00       600.35       42.50       1,500       5.74       130       685         1       2       3       4       5       6       7       8       9       10       11       12	3/4"       4.08       144.08       10.20       360       1.18       87       263       24         1"       6.58       232.37       16.45       581       3.68       130       285       43         1 1/2"       10.58       373.63       26.45       934       3.98       130       385       43         1 1/2"       13.83       488.40       34.58       1,220       4.54       130       485       43         1 1/2"       17.00       600.35       42.50       1,500       5.74       130       685       43         1 1/2"       17.00       600.35       42.50       1,500       5.74       130       685       43	3/4"       4.08       144.08       10.20       360       1.18       87       263       24       90         1"       6.58       232.37       16.45       581       3.68       130       285       43       13         1 1/2"       10.58       373.63       26.45       934       3.98       130       385       43       23         1 1/2"       13.83       488.40       34.58       1,220       4.54       130       485       43       33         1 1/2"       17.00       600.35       42.50       1,500       5.74       130       685       43       52         1       2       3       4       5       6       7       8       9       10       11       12       13       14	3/4"       4.08       144.08       10.20       360       1.18       87       263       24       90         1"       6.58       232.37       16.45       581       3.68       130       285       43       135         1 1/2"       10.58       373.63       26.45       934       3.98       130       385       43       235         1 1/2"       13.83       488.40       34.58       1,220       4.54       130       485       43       335         1 1/2"       17.00       600.35       42.50       1,500       5.74       130       685       43       525         1       2       3       4       5       6       7       8       9       10       11       12       13       14       15

Weight

## GENERAL INFORMATION

Min recommended operating temperature of 1.5°C (35°F)
 Max recommended operating temperature of 60°C (140°F) with automatic drain and 80°C (176°F) with manual drain
 Maximum recommended operating pressure of 16 bar g and 50 bar g
 Nominal Differential Pressure of 0.03 barg (0.45 psi)
 Aluminium housing with polypropylene mechanism
 Water Separator housings comply to the PED 97/23/EC (Max 16 bar)

