www.mikropor.com

FWS SERIES FLANGED WATER SEPARATORS

Mikropor flanged water separators have been designed for the removal of bulk liquid water and particulate from compressed air and gases. Unique centrifugal action removes contaminants at low-pressure drop for maximum energy savings. Mikropor flanged water separators are available from DN80-DN200 flange sizes and flows up to 14000 m³/h (8236 cfm) (For larger sizes please contact our sales team).

Note: While highly efficient, condensate separators will not remove all of the oil from the air stream. Additional coalescing and particulate filters downstream may be required to remove the fine traces of oil, water and particles.

Correction Factor

Operating Pressure

(bar) 1

3

5

7

9

11 13

14

For maximum flow rates, multiply model flow rate show in the above table by the correction factor corresponding to the working pressure.

Correction

Factor

0.5

0.71

0.87

1

112

1.22

1.32

1.38

PSI

15

44

73

100

131

160

189

200

Max. Recommended Operating Temperature	Min. Recommended Operating Temperature	Typical Pressure Loss at Rated Flow	Max. Working Pressure	
80°C	1.5°C	50 mbar	14 bar	

AIR OUTLET

Technical Specifications

Connection Size	Flow Rate		Housing Dimensions (mm)					
Model Connection Size		(cfm)	A	В	С	D	E	F
DN80	2500	1407.5	200	934	450	75	280	1289
DN100	3200	1882.3	220	964	450	75	280	1319
DN100	4300	2529.4	220	982	530	75	280	1283
DN150	6500	3823.5	285	1092	580	75	280	1447
DN150	8500	5000	285	1091	650	75	280	1446
DN200	11000	6470.5	340	1168	750	75	280	1523
DN200	14000	8235.2	340	1201	800	75	280	1556
	DN100 DN100 DN150 DN150 DN200	Connection Size (m³/h) DN80 2500 DN100 3200 DN100 4300 DN150 6500 DN150 8500 DN200 11000	Connection Size (m³/h) (cfm) DN80 2500 1407.5 DN100 3200 1882.3 DN100 4300 2529.4 DN150 6500 3823.5 DN150 8500 5000 DN200 11000 6470.5	Connection Size (m³/h) (cfm) A DN80 2500 1407.5 200 DN100 3200 1882.3 220 DN100 4300 2529.4 220 DN150 6500 3823.5 285 DN150 8500 5000 285 DN200 11000 6470.5 340	Connection Size (m³/h) (cfm) A B DN80 2500 1407.5 200 934 DN100 3200 1882.3 220 964 DN100 4300 2529.4 220 982 DN150 6500 3823.5 285 1092 DN150 8500 5000 285 1091 DN200 11000 6470.5 340 1168	Connection Size (m³/h) (cfm) A B C DN80 2500 1407.5 200 934 450 DN100 3200 1882.3 220 964 450 DN100 4300 2529.4 220 982 530 DN150 6500 3823.5 285 1092 580 DN150 8500 5000 285 1091 650 DN200 11000 6470.5 340 1168 750	Connection Size (m³/h) (cfm) A B C D DN80 2500 1407.5 200 934 450 75 DN100 3200 1882.3 220 964 450 75 DN100 4300 2529.4 220 982 530 75 DN150 6500 3823.5 285 1092 580 75 DN150 8500 5000 285 1091 650 75 DN200 11000 6470.5 340 1168 750 75	Connection Size (m³/h) (cfm) A B C D E DN80 2500 1407.5 200 934 450 75 280 DN100 3200 1882.3 220 964 450 75 280 DN100 4300 2529.4 220 982 530 75 280 DN150 6500 3823.5 285 1092 580 75 280 DN150 8500 5000 285 1091 650 75 280 DN150 8500 5000 285 1091 650 75 280 DN200 11000 6470.5 340 1168 750 75 280

Given flows are at 7 barg pressure with reference to 20°C and 1 bar atmospheric air suction as per ISO7183.



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