

## DD SERIES



General Purpose  
Compressed Air Filters  
For Liquid Aerosol Coalescing or Dust

### OPERATING AND PERFORMANCE DATA – All Models

Maximum oil carryover at operating conditions indicated <sup>(1)</sup> = 0.08 ppm	Initial pressure drop at inlet air capacity (as dust filter, approx.)	0.7 psig
Filtration efficiency for particles	Initial saturated pressure drop at inlet air capacity (as liquid coalescing filter, approx.)	1.7 psig
- Down to 1 micron	100%	
- Down to .3 micron	99.9%	
Maximum compressed air effective inlet pressure	Maximum pressure drop for element change	5 psig
Minimum compressed air effective inlet pressure	Quality Class of Air at outlet of filter <sup>(3)</sup>	2 - 2
Maximum compressed air inlet temperature	Oil concentration upstream of the filter between	2.5 – 12.5 ppm
Minimum compressed air inlet temperature		

### PERFORMANCE AND TECHNICAL DATA

Model	Capacity CFM <sup>(2)</sup> @ 100 psig	Dimensions of Inlet/Outlet Connections (NPT)	Net Weight (LBS.)	Shipping Weight (LBS.)
DD 9	19	3/8	2.2	2.4
DD 17	36	1/2	2.4	2.6
DD 32	68	1/2	2.9	3.1
DD 44	93	3/4 or 1	4.2	4.6
DD 60	127	1	4.6	5.1
DD 120	254	1 1/2	9.3	10.1
DD 150	318	1 1/2	9.9	11.0
DD 175	371	1 1/2	10.1	11.2
DD 260	551	2 or 2 1/2	15.2	16.8
DD 390	827	3	24.2	26.5
DD 520	1102	3	27.7	30.6

### CORRECTION FACTORS

Working Pressure (psig)	14.5	29	43.5	58	72.5	87	100	116	145	174	203	232
Correction Factor	0.38	0.53	0.65	0.75	0.83	0.92	1	1.06	1.2	1.31	1.41	1.5

<sup>(1)</sup> Referred to an atmospheric pressure of 14.5 psia and temperature 68°F

<sup>(2)</sup> Referred to Atlas Copco Standard Reference Conditions of 100 psig inlet pressure and inlet and ambient temperature of 68°F, sea level

<sup>(3)</sup> According to ISO 8573-2 in a typical installation



## PD SERIES

High Efficiency

Compressed Air Filters

For Liquid Aerosol Coalescing

OPERATING AND PERFORMANCE DATA – All Models			
Maximum oil carryover at operating conditions indicated <sup>(1)</sup>	= 0.08 ppm	Initial pressure drop at inlet air capacity (approx.)	1.2 psig
Filtration efficiency for particles		Initial saturated pressure drop at inlet air capacity (approx.)	2.9 psig
- Down to 1 micron	100%	Maximum pressure drop for element change	5 psig
- Down to 0.01 micron	99.9%	Quality Class of Air at outlet of filter <sup>(3)</sup>	1 - 1
Maximum compressed air effective inlet pressure	232 psig		
Minimum compressed air effective inlet pressure	14.5 psig		
Maximum compressed air inlet temperature	151°F		
Minimum compressed air inlet temperature	35°F		

PERFORMANCE AND TECHNICAL DATA				
Model	Capacity CFM <sup>(2)</sup> @ 100 psig	Dimensions of Inlet/Outlet Connections (NPT)	Net Weight (LBS.)	Shipping Weight (LBS.)
PD 9	19	<sup>3</sup> / <sub>8</sub>	2.2	2.4
PD 17	36	<sup>1</sup> / <sub>2</sub>	2.4	2.6
PD 32	68	<sup>1</sup> / <sub>2</sub>	2.9	3.1
PD 44	93	<sup>3</sup> / <sub>4</sub> or 1	4.2	4.6
PD 60	127	1	4.6	5.1
PD 120	254	1 <sup>1</sup> / <sub>2</sub>	9.3	10.1
PD 150	318	1 <sup>1</sup> / <sub>2</sub>	9.9	11.0
PD 175	371	1 <sup>1</sup> / <sub>2</sub>	10.1	11.2
PD 260	551	2 or 2 <sup>1</sup> / <sub>2</sub>	15.2	16.8
PD 390	827	3	24.2	26.5
PD 520	1102	3	27.7	30.6

CORRECTION FACTORS												
Working Pressure (psig)	14.5	29	43.5	58	72.5	87	100	116	145	174	203	232
Correction Factor	0.38	0.53	0.65	0.75	0.83	0.92	1	1.06	1.2	1.31	1.41	1.5

<sup>(1)</sup> Referred to an atmospheric pressure of 14.5 psia and temperature 68°F

<sup>(2)</sup> Referred to Atlas Copco Standard Reference Conditions of 100 psig inlet pressure and inlet and ambient temperature of 68°F, sea level

<sup>(3)</sup> According to ISO 8573-2 in a typical installation



## QD SERIES

Compressed Air Filters  
Oil Vapor and Odor Removal

### OPERATING AND PERFORMANCE DATA – All Models

Maximum oil carryover at operating conditions indicated <sup>(1)</sup> =	0.0025 ppm	Oil concentration upstream of the filter between	0.0025 – 0.008 ppm
Initial pressure drop at inlet air capacity (approx.) QD9-60	1 psig	Quality Class of Air at outlet of filter <sup>(3)</sup>	1 – 1
Initial pressure drop at inlet air capacity (approx.) QD120-520	1.2 psig	Maximum compressed air inlet temperature	95°F
Maximum compressed air effective inlet pressure	232 psig	Minimum compressed air inlet temperature	35°F
Minimum compressed air effective inlet pressure	14.5 psig		

### PERFORMANCE AND TECHNICAL DATA

Model	Capacity CFM <sup>(2)</sup> @ 100 psig	Dimensions of Inlet/Outlet Connections (NPT)	Net Weight (LBS.)	Shipping Weight (LBS.)
QD 9	19	<sup>3</sup> / <sub>8</sub>	1.8	2.2
QD 17	36	1/2	2.0	2.4
QD 32	68	1/2	2.4	2.9
QD 44	93	3/4 or 1	4.2	4.4
QD 60	127	1	4.4	4.9
QD 120	254	1 1/2	8.8	9.7
QD 150	318	1 1/2	9.5	10.6
QD 175	371	1 1/2	9.7	10.8
QD 260	551	2 or 2 1/2	14.8	16.3
QD 390	827	3	23.8	26.0
QD 520	1102	3	27.3	30.2

### CORRECTION FACTORS

Working Pressure (psig)	14.5	29	43.5	58	72.5	87	100	116	145	174	203	232
Correction Factor	0.38	0.53	0.65	0.75	0.83	0.92	1	1.06	1.2	1.31	1.41	1.5

<sup>(1)</sup> Referred to an atmospheric pressure of 14.5 psia and temperature 68°F

<sup>(2)</sup> Referred to Atlas Copco Standard Reference Conditions of 100 psig inlet pressure and inlet and ambient temperature of 68°F, sea level

<sup>(3)</sup> According to ISO 8573-2 in a typical installation, preceded with PD filter



## DDp SERIES

Compressed Air Filters  
Dust Removal

OPERATING AND PERFORMANCE DATA – All Models			
Filtration efficiency for particles			
- Down to 1 micron	100%	Initial pressure drop at inlet air capacity (approx.)	0.7 psig
- Down to .3 micron	99.9%	Maximum pressure drop for element change	5 psig
Maximum compressed air effective inlet pressure	232 psig	Maximum compressed air inlet temperature	151°F
Minimum compressed air effective inlet pressure	14.5 psig	Minimum compressed air inlet temperature	35°F

PERFORMANCE AND TECHNICAL DATA				
Model	Capacity CFM <sup>(1)</sup> @ 100 psig	Dimensions of Inlet/Outlet Connections (NPT)	Net Weight (LBS.)	Shipping Weight (LBS.)
DDp 9	19	<sup>3</sup> / <sub>8</sub>	2.2	2.4
DDp 17	36	½	2.4	2.6
DDp 32	68	½	2.9	3.1
DDp 44	93	¾ or 1	4.2	4.6
DDp 60	127	1	4.6	5.1
DDp 120	254	1 ½	9.3	10.1
DDp 150	318	1 ½	9.9	11.0
DDp 175	371	1 ½	10.1	11.2
DDp 260	551	2 or 2 ½	15.2	16.8
DDp 390	827	3	24.2	26.5
DDp 520	1102	3	27.7	30.6

CORRECTION FACTORS												
Working Pressure (psig)	14.5	29	43.5	58	72.5	87	100	116	145	174	203	232
Correction Factor	0.38	0.53	0.65	0.75	0.83	0.92	1	1.06	1.2	1.31	1.41	1.5

<sup>(1)</sup> Referred to Atlas Copco Reference conditions of 100 psig inlet pressure and inlet and ambient temperature of 68°F and sea level