

Model:

DD+, DDp+, PD+, PDp+, QD+ 35

Reference conditions		DD+35	DDp+35	PD+35	PDp+35	QD+35	
Compressed air effective inlet pressure		102	102	102	102	102	psi(g)
Ambient air temperature		68	68	68	68	68	°F
Compressed air inlet temperature		68	68	68	68	68	°F
Principle Data							
Compressed air inlet pressure	Max	232	232	232	232	232	psi(g)
	Min	15	15	15	15	15	
Compressed air inlet temperature	Max	151	151	151	151	95	°F
	Min	34	34	34	34	34	
Ambient temperature	Max	149	149	149	149	95	°F
	Min	34	34	34	34	34	
Recommended pressure drop	Max	5	5	5	5	-	psi
Specific data (At reference conditions)							
Rated Flow		74	74	74	74	74	cfm
Pressure drop element - DRY		0.9	0.9	1.1	1.1	1.9	psi
Pressure drop element - WET							
Challenge/inlet oil concentration (ppm) = 0.1		-	-	2.4	-	-	psi
Challenge/inlet oil concentration (ppm) = 3		2.2	-	2.7	-	-	psi
Challenge/inlet oil concentration (ppm) = 10		2.2	-	2.8	-	-	psi
Challenge/inlet oil concentration (ppm) = 40		2.4	-	2.9	-	-	psi
Pressure drop filter + element - DRY		1.2	1.2	1.4	1.4	2.0	psi
Pressure drop filter + element - WET							
Challenge/inlet oil concentration (ppm) = 0.1		-	-	2.8	-	-	psi
Challenge/inlet oil concentration (ppm) = 3		2.5	-	3.0	-	-	psi
Challenge/inlet oil concentration (ppm) = 10		2.6	-	3.1	-	-	psi
Challenge/inlet oil concentration (ppm) = 40		2.8	-	3.3	-	-	psi
Oil carry-over (PD+ - DD+ Aerosol / QD+ Vapor)							
Challenge/inlet oil concentration (ppm) = 0.01		-	-	-	-	0.003	ppm
Challenge/inlet oil concentration (ppm) = 0.1		-	-	0.	-	-	ppm
Challenge/inlet oil concentration (ppm) = 3		0.02	-	0.002	-	-	ppm
Challenge/inlet oil concentration (ppm) = 10		0.07	-	0.008	-	-	ppm
Challenge/inlet oil concentration (ppm) = 40		0.28	-	0.03	-	-	ppm
Count efficiency	MPPS	MPPS=0.1µm - 99.92		MPPS=0.06µm - 99.98		-	%
	1 µm	99.998	99.998	100.00	99.995	-	%
	0.01 µm	99.94	99.94	> 99.999	> 99.999	-	%
ISO 8573-1:2010 Class		2:-:2	2:-:	1:-:1	1:-:	1:-:1	
NOTE							
		Per ISO-12500-1	Per ISO-12500-3	Per ISO-12500-1	Per ISO-12500-3	After DD+ / PD+	
Design data							
Number of filter elements		1	1	1	1	1	
Dimension of inlet and outlet connections		1/2	1/2	1/2	1/2	1/2	G/NPT
Net weight		2.9	2.6	2.9	2.9	2.4	lb
Shipping weight		3.1	3.1	3.1	3.1	2.9	lb
Shipping dimensions:	Length	16	16	16	16	16	in
	Width	4	4	4	4	4	in
	Height	4	4	4	4	4	in

Correction Factors

Working pressure (psig)	14.5	29	43.5	58	72.5	87
Correction factor	0.38	0.53	0.65	0.75	0.83	0.92
Working pressure (psig)	101.5	116	145	174	203	232
Correction factor	1	1.06	1.2	1.31	1.41	1.5