



Compressed Air Filtration

FILTERS COALESCERS ABSORBERS ELEMENTS MIST ELIMINATORS



Quincy filters protect pneumatic equipment and processes from the harmful effects of contaminated compressed air by removing dirty water, burnt oil and solid pollutants before they can do any damage. Clean compressed air will result in improved production and reduced operating costs. World class, state-of-the-art material and design make Quincy compressed air filters the standard to which all others must be compared.

STANDARD FILTERS

Quincy DCN Series

Particulate/Coarse Coalescers are designed to remove solids, burnt oil and bulk liquids.

Quincy CSN, CPN, CXN Series

Coalescers remove various levels of liquid aerosols and mist.

Quincy ACN Series

Activated Carbon Absorbers remove vapors and odors.

- 10 scfm to 16,500 scfm
- 230 psig max. working pressure for threaded filters
- 150 psig max. working pressure for flanged filters
- Aluminum housing (1/2" to 3" NPT)
- Steel housing (3" to 12" FLG)

MOISTURE SEPARATORS

- 20 to 1500 scfm, 230 psig
- Aluminum housing (1/4" to 3" NPT)

OVER & UNDER COALESCER/ABSORBER COMBINATION

- 10 to 50 scfm/230 psig
- Two-in-one design

HIGH-TEMPERATURE DUST FILTER

- +450°F/150 psig
- 15 to 1600 scfm



Quincy Air Quality Performance Guarantee



ELEMENTS

Quincy's Layered Multiwrap design employs a specially blended borosilicate glass microfiber media to produce strong, durable and efficient filter elements. The filtration media combines high flow rates and high dirt-holding capacities without compromising element service life. Easy to identify and easy to install, these highly advanced products offer the best performance available.

ELEMENT CONSTRUCTION

Push-to-Fit Design — Aluminum Filters

- Easy element replacement
- Fit integrity eliminates leaks, saving energy

Stainless Steel Support Core

- Provides strength
- Eliminates corrosion
- Protects element from bursting under high differential pressure

1st Stage Pre-Filtration Support Layer

- Captures larger contaminants
- Protects 2nd Stage filtration media
- Extends service life

Multiwrap 2nd Stage

- High void volume minimizes pressure drop, saving energy
- Increased surface area ensures
 maximum contaminant retention
- Extended life construction
- Deep bed provides optimum coalescing efficiency
- Selected media combinations provide precise filtration solutions
- 3rd Stage Interceptor Layer
- Provides additional strength
- Optimizes interception process

4th Stage Outer Stainless Steel Support

• Ensures total element integrity

Inside to Out Flow

 Prolongs element life and improves drain performance

Polyester Needle Felt Drainage Layer

- Optimum oil removal
- High temperature tolerance
- Maximum durability
- Will not disintegrate
- Suitable for use with mineral and synthetic oils
- Tolerant in aggressive environments

Glass-Filled Nylon End Caps

- Color-coded for simple element grade identification
- Easy element replacement
- Will not corrode







STANDARD LINE: PARTICULATE – COALESCER – ABSORBER

Quincy's Standard Filtration lineup consists of the three most common types of filters used in compressed air systems. Aluminum housings with threaded NPT connections are used for flows up to 1530 cfm and steel housings with flanged connections are used for flows up to 16,500 cfm.

- Push-to-fit design used on threaded filters for easy filter element replacement
- Multiwrap element construction ensures optimum performance
- Modular design saves energy and allows for easy installation of multiple threaded filters
- Aluminum housings feature electrophoretic coating to prevent corrosion
- 10-year housing guarantee on aluminum housings
- Standard pressure differential indicator on aluminum housings
- Standard automatic condensate drain on aluminum housings



ALUMINUM HOUSINGS, THREADED CONNECTIONS 10 TO 1530 CFM

DCNT SERIES

CSNT, CPNT, CXNT SERIES

Designed to remove high concentrations of solids, burnt oil and bulk liquids DCNT 5 micron, 5 ppm Designed to coalesce various levels of liquid aerosols. The 1 micron CSN is also an ideal afte filter for desiccant dryers.

CSNT 1 micron, 0.1 ppm CPNT .01 micron, .01 ppm CXNT .01 micron, .001 ppm

ACNT SERIES

Activated Carbon Absorber designed to remove vapors and odors. Installed immedately downstream of either a CPNT or a CXNT coalescer, it will reduce oil carryover to .003 ppm.

STEEL HOUSINGS, FLANGED CONNECTIONS 1500 TO 16,000 CFM SERIES DCNF, CSNF, CPNF, CXNF AND ACNF

- Same filtration grade as aluminum filters
- Identified with an "F" suffix
- U stamped for the USA and CRN approved for Canada
- Housings are freestanding and top loading for easy element replacement
- All grades of filter element end caps are molded, providing strength, durability and long life



STANDARD LINE — SPECIFICATIONS & ENGINEERING DATA

Complet	e Filte	r Asse	emblie	es Element	Number	_	Dimen	sions —					Me Dime	tric		
Filter Model (Grade)	Pipe Size NPT	Flov scfm	v Rate Nm³/hr	Model (Grade)	of Elements	A In.	B In.	C In.	D In.	Wei Ib.	ght kg.	A mm	B	C	D mm	
Grade 10	1/4	10	17	Grade E 10) 1	3	1½	8	3	1.43	0.65	72	35	210	75	
Grade 20	1/4	20	33	Grade E 20) 1	3	1½	8	3	1.43	0.65	72	35	210	75	
Grade 30	3∕8	30	50	Grade E 30) 1	3	1½	8	3	1.43	0.65	72	35	210	75	
Grade 60	1/2	60	100	Grade E 60) 1	3½	1¼	13	4	2.87	1.30	88	32	315	100	
Grade 125	3/4	125	208	Grade E 12	25 1	5	1½	15	4	5.95	2.70	125	39	365	100	
Grade 150	1	150	250	Grade E 15	50 1	5	1½	15	4	5.95	2.70	125	39	365	100	
Grade 200	1	200	333	Grade E 20	0 1	5	1½	21	6	7.72	3.50	125	39	515	150	
Grade 300	1¼	300	500	Grade E 30	0 1	5	1½	21	6	7.72	3.50	125	39	515	150	
Grade 425	1½	425	708	Grade E 42	25 1	5½	2	22	6	9.70	4.40	135	50	545	150	
Grade 500	2	500	833	Grade E 50	0 1	5½	2	22	6	9.70	4.40	135	50	545	150	
Grade 650	2	650	1083	Grade E 65	0 1	5½	2	30	6	11.00	5.00	135	50	745	150	
Grade 800	2½	800	1333	Grade E 80	0 1	8	2¾	32	8	25.40	11.50	200	68	805	200	
Grade 1000) 3	1000	1667	Grade E 10	000 1	8	2¾	32	8	25.40	11.50	200	68	805	200	
Grade 1300) 3	1300	2167	Grade E 13	800 1	8	2¾	37	8	34.20	15.50	200	68	925	200	
Grade 1525	5 3	1525	2542	Grade E 15	525 1	9	2½	42	12	41.90	19.00	230	65	1050	300	









Model Grades 2006–16512

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Steel Ho	usings	— Fl	anged	Flement	Number		— Dimer	nsions —					Me Dime	tric		
Filter Model (Grade)	Pipe Size Flg.	Flov scfm	v Rate Nm³/hr	Model (Grade)	of Elements	A In.	B In.	C In.	D In.	Wei Ib.	ght kg.	A mm	B	C mm	D mm	
Grade 1503	3	1500	2550	Grade 1500) 1	58	15	48	10	165	74	1472	381	1219	254	
Grade 1504	4	1500	2550	Grade 1500) 1	58	17%	48	6½	175	80	1473	435	1219	165	
Grade 2004	4	2000	3400	Grade 2000) 1	58	21%	48¼	13	320	145	1473	543	1226	330	
Grade 2006	6	2000	3400	Grade 2000) 1	59¼	25½	48	7½	360	163	1505	648	1219	191	
Grade 3004	4	3000	5100	Grade 3000) 1	72	21%	62¼	13	385	175	1829	543	1581	330	
Grade 3006	6	3000	5100	Grade 3000) 1	75¼	25.5	64	7½	420	191	1911	648	1626	191	
Grade 4506	6	4500	7650	Grade 1500) 3	83½	25¼	68½	23½	580	263	2121	641	1740	597	
Grade 6008	8	6000	10200	Grade 1500) 4	86¾	25	68	23	650	295	2203	635	1727	584	
Grade 1051	0 10	10500	17850	Grade 1500) 7	100	31	80	30	800	363	2540	787	2032	762	
Grade 1651	2 12	16500	28050	Grade 1500) 11	113¾	44½	87	16	1000	454	2889	1130	2210	406	

Spec	s			М	ax.					- Press	ure Loss			М	ax.	Element
Filter Element	Max. Particle Size to ISO 8573-1:2001	Max. Oil Content Class to ISO 8573-1:2001	Particle Removal in Microns	Oil Ca at 68°F ppm	rryover at 20°C mg/m³	Ma Tempe °F	ax. erature °C	Clear psi	n & Dry mbar	۷ psi	Vet mbar	Ch Ele psi	ange ment mbar	Wor Pres psig	king sure barg	End Cap Color Code
DCNE	3	4	5	5.0	5.0	248	120	1	40	1	75	6	400	232	16	Green
CSNE	2	2	1	0.1	0.1	248	120	1	75	2	150	6	400	232	16	Red
CPNE	1	1	0.01	0.01	0.01	248	120	2	100	4	300	6	400	232	16	Blue
CXNE	1	1	0.01	0.001	0.001	248	120	2	140	5	350	6	400	232	16	Black
ACNE	1	1	0.01	0.003	0.003	77	25	1	75	—	—	Min. ever	y 6 months	232	16	Black

Correction	Factor																			
Operating	psig	4	9	15	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232	
Pressure	barg	0.3	0.6	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Correction F	actor	0.21	0.29	0.38	0.53	0.65	0.76	0.84	0.92	1	1.07	1.13	1.19	1.25	1.31	1.36	1.41	1.46	1.51	

HIGH TEMPERATURE: 1 MICRON DUST FILTERS,450°F, 150 PSIG

- Designed specifically for Heat Reactivated Desiccant Air Dryers
- Nomex outer layer is provided for high-temperature operation
- Push-to-fit design used on threaded filters for easy filter element replacement
- Multiwrap element construction provides optimum performance

ALUMINUM HOUSINGS, THREADED NPT CONNECTIONS 15 TO 650 CFM, SERIES HTDT

- Features a high-temperature dust filter with heavy-duty bowl
- Ribbed bowl facilitates removal when changing elements

NOTE: Alloy filters shipped loose will have a special high-temperature black powder coat paint.

STEEL HOUSINGS, FLANGED CONNECTIONS 1500 TO 16,000 CFM, SERIES HTDF

- Same filtration grade as aluminum filters
- Identified with an "F" suffix
- U stamped for the USA and CRN approved for Canada
- Housings are freestanding and top-loading for easy element replacement
- All grades of filter element end caps are molded, providing strength, durability and long life







HIGH TEMPERATURE — SPECIFICATIONS & ENGINEERING DATA

Dust Filt	ers — ·	Threa	aded	Element	Number		Dimer	nsions —					Me — Dime	tric nsions ——	
Filter Model	Pipe Size NPT	Flov scfm	w Rate Nm³/hr	Model (Grade)	of Elements	A In.	B In.	C In.	D In.	We Ib.	ight kg.	A mm	B mm	C mm	D mm
HTDT 15	1/4	15	25	HTDE 15	1	2½	1/2	6	2	0.5	0.25	63	15	150	50
HTDT 30	3/8	30	50	HTDE 30	1	2½	1/2	7½	2	0.6	0.27	63	15	190	50
HTDT 65	1/2	65	108	HTDE 65	1	4½	1½	12	6	5.7	2.60	114	38	305	150
HTDT 75	3/4	75	125	HTDE 75	1	4½	1½	12	6	5.7	2.60	114	38	305	150
HTDT 150	1	150	250	HTDE 150	1	4½	1½	15½	6	7.3	3.30	114	38	395	150
HTDT 300	1½	300	500	HTDE 300	1	5¾	2	21	7	16.5	7.50	146	50	435	170
HTDT 450	2	450	750	HTDE 450	1	5¾	2	21	7	16.5	7.50	146	50	435	170
HTDT 650	2	650	1084	HTDE 650	1	5¾	2	25	7	22.0	10.00	146	50	635	170



ers —	Flang	ed	Elomont	Number		Dimor	sions —					Me Dimo	tric		
Pipe Size Flg.	Flow scfm	/ Rate Nm³/hr	Model (Grade)	of Elements	A In.	B In.	C In.	D In.	Wei Ib.	ght kg.	A mm	B	C mm	D mm	
3	1500	2550	HTDE 150	0 1	58	15	48	10	165	74	1473	381	1219	254	
4	1500	2550	HTDE 150	0 1	58	17%	48	6½	175	80	1473	435	1219	165	
4	2000	3400	HTDE 200	0 1	58	21%	48¼	13	320	145	1473	543	1226	330	
6	2000	3400	HTDE 200	0 1	59¼	25.5	48	7½	360	163	1505	648	1219	191	
4	3000	5100	HTDE 300	0 1	72	21%	621/4	13	385	175	1829	543	1581	330	
6	3000	5100	HTDE 300	0 1	75¼	25½	64	7½	420	191	1911	648	1626	191	
6	4500	7650	HTDE 150	0 3	83½	25¼	68½	23½	580	263	2121	641	1740	597	
8	6000	10200	HTDE 150	0 4	86¾	25	68	23	650	295	2203	635	1727	584	
0 10	10500	17850	HTDE 150	0 7	100	31	80	30	800	363	2540	787	2032	762	
2 12	16500	28050	HTDE 150	0 11	113¾	44½	87	16	1000	454	2889	1130	2210	406	
	ers Pipe Size Fig. 3 4 4 6 6 6 6 6 8 0 10 2 12	ers - Flang Pipe Size Flow Flg. scfm 3 1500 4 2000 6 2000 4 3000 6 3000 6 4500 8 6000 0 10 10500 2 12 16500	ers — Flanged Pipe Size Flow Rate Flg. scfm Nm ³ /hr 3 1500 2550 4 1500 2550 4 2000 3400 6 2000 3400 4 3000 5100 6 3000 5100 6 4500 7650 8 6000 10200 0 10 10500 17850 2 12 16500 28050	ers — Flanged Pipe Size Flow Rate Model (Grade) 3 1500 2550 HTDE 150 4 1500 2550 HTDE 150 4 2000 3400 HTDE 200 6 2000 3400 HTDE 200 6 3000 5100 HTDE 300 6 4500 7650 HTDE 150 8 6000 10200 HTDE 150 0 10 10500 17850 HTDE 150 2 12 16500 28050 HTDE 150	Pipe Size Flow Rate Model Number of (Grade) 3 1500 2550 HTDE 1500 1 4 1500 2550 HTDE 1500 1 4 2000 3400 HTDE 2000 1 6 2000 3400 HTDE 2000 1 6 3000 5100 HTDE 3000 1 6 3000 5100 HTDE 1500 3 8 6000 7650 HTDE 1500 4 0 10 10500 17850 HTDE 1500 7 2 12 16500 28050 HTDE 1500 11	ers Flanged Pipe Size Flow Rate Element Number A 3 1500 2550 HTDE 1500 1 58 4 1500 2550 HTDE 1500 1 58 4 2000 3400 HTDE 2000 1 58 6 2000 3400 HTDE 2000 1 59¼ 4 3000 5100 HTDE 3000 1 72¼ 6 3000 5100 HTDE 1500 3 83½ 8 6000 10200 HTDE 1500 3 83½ 8 6000 17850 HTDE 1500 7 100 2 12 16500 28050 HTDE 1500 11 113¾	ers Flanged Pipe Size Flow Rate Model of A B 3 1500 2550 HTDE 1500 1 58 15 4 1500 2550 HTDE 1500 1 58 15 4 2000 3400 HTDE 2000 1 58 21% 6 2000 3400 HTDE 2000 1 59% 25.5 4 3000 5100 HTDE 3000 1 72 21% 6 3000 5100 HTDE 1500 3 83½ 25% 8 6000 10200 HTDE 1500 3 83½ 25% 8 6000 10200 HTDE 1500 4 86% 25 0 10 10500 1750 HTDE 1500 7 100 31 2 12 16500 28050 HTDE 1500 11 113% 44½	ers Flanged Pipe Size Flow Rate Model of A B C 3 1500 2550 HTDE 1500 1 58 15 48 4 1500 2550 HTDE 1500 1 58 15 48 4 2000 3400 HTDE 2000 1 58 21% 48% 6 2000 3400 HTDE 2000 1 58 21% 48% 6 3000 5100 HTDE 3000 1 75% 25% 64 6 3000 5100 HTDE 3000 1 75% 25% 64% 8 6000 7650 HTDE 1500 3 83% 25% 68% 8 6000 10200 HTDE 1500 4 86% 25 68 0 10 10500 17850 HTDE 1500 1 13% 44% 87	ers Flanged Pipe Size Flow Rate Element Number Oimensions 3 1500 2550 HTDE 1500 1 58 15 48 10 4 1500 2550 HTDE 1500 1 58 15 48 10 4 1500 2550 HTDE 1500 1 58 17½ 48 6½ 4 2000 3400 HTDE 2000 1 58 21½ 48½ 13 6 2000 3400 HTDE 2000 1 59½ 25.5 48 7½ 4 3000 5100 HTDE 3000 1 75½ 25½ 64 7½ 6 3000 5100 HTDE 1500 3 83½ 25½ 68½ 23½ 8 6000 10200 HTDE 1500 3 83½ 25½ 68 23 0 10 10500 17850 HTDE 1500 11 <	ers Flanged Pipe Size Flow Rate Model of A B C D Wei 3 1500 2550 HTDE 1500 1 58 15 48 10 165 4 1500 2550 HTDE 1500 1 58 15 48 10 165 4 2000 3400 HTDE 2000 1 58 17½ 48% 13 320 6 2000 3400 HTDE 2000 1 59% 25.5 48 7½ 360 4 3000 5100 HTDE 3000 1 75% 25½ 64 7½ 420 6 3000 5100 HTDE 3000 1 75% 25½ 64 7½ 420 6 4500 7650 HTDE 1500 3 83½ 25½ 68 23½ 580 8 6000 10200 HTDE 1500 7 100 <td< td=""><td>ers Flanged Pipe Size Flow Rate Element Number of A B C D Weight 3 1500 2550 HTDE 1500 1 58 15 48 10 165 74 4 1500 2550 HTDE 1500 1 58 17½ 48 6½ 175 80 4 2000 3400 HTDE 2000 1 58 21½ 48½ 13 320 145 6 2000 3400 HTDE 2000 1 59½ 25.5 48 7½ 360 163 4 3000 5100 HTDE 3000 1 75½ 25½ 64 7½ 420 191 6 3000 5100 HTDE 1500 3 83½ 25½ 64 7½ 420 191 6 4500 7650 HTDE 1500 3 83½ 25½ 64 7½ 420</td><td>ers Flanged Number Dimensions Dimensions Meight A Pipe Size scfm Nm/hr Model of A B C D Weight A 3 1500 2550 HTDE 1500 1 58 15 48 10 165 74 1473 4 1500 2550 HTDE 1500 1 58 17½ 48 6½ 175 80 1473 4 2000 3400 HTDE 2000 1 58 21½ 48½ 13 320 145 1473 6 2000 3400 HTDE 2000 1 59½ 25.5 48 7½ 360 163 1505 4 3000 5100 HTDE 3000 1 75½ 25½ 64 7½ 420 191 1911 6 3000 5100 HTDE 3000 1 75¼ 25½ 64 7½ 420 191<</td><td>ers Flanged Element Number of A B C D Weight A B Madel Dimensions Meter Meter Model Of A B C D Weight A B Madel Dimensions Madel Dimensions Meter Meter Madel Dimensions Madel Dis</td><td>ers Flanged Number Model (Grade) Number of Elements Dimensions In. Dimensions In.<</td><td>Metric Pipe Size Flow Rate Element Number of A B C D Weight A B C D 3 1500 2550 HTDE 1500 1 58 15 48 10 165 74 1473 381 1219 254 4 1500 2550 HTDE 1500 1 58 15 48 10 165 74 1473 381 1219 254 4 1500 2550 HTDE 1500 1 58 17½ 48 6½ 175 80 1473 435 1219 165 4 2000 3400 HTDE 2000 1 58 21½ 48¼ 13 320 145 1473 543 1226 330 6 3000 5100 HTDE 3000 1 72 1½ 62¼ 13 385 175 1829 543 1581 330</td></td<>	ers Flanged Pipe Size Flow Rate Element Number of A B C D Weight 3 1500 2550 HTDE 1500 1 58 15 48 10 165 74 4 1500 2550 HTDE 1500 1 58 17½ 48 6½ 175 80 4 2000 3400 HTDE 2000 1 58 21½ 48½ 13 320 145 6 2000 3400 HTDE 2000 1 59½ 25.5 48 7½ 360 163 4 3000 5100 HTDE 3000 1 75½ 25½ 64 7½ 420 191 6 3000 5100 HTDE 1500 3 83½ 25½ 64 7½ 420 191 6 4500 7650 HTDE 1500 3 83½ 25½ 64 7½ 420	ers Flanged Number Dimensions Dimensions Meight A Pipe Size scfm Nm/hr Model of A B C D Weight A 3 1500 2550 HTDE 1500 1 58 15 48 10 165 74 1473 4 1500 2550 HTDE 1500 1 58 17½ 48 6½ 175 80 1473 4 2000 3400 HTDE 2000 1 58 21½ 48½ 13 320 145 1473 6 2000 3400 HTDE 2000 1 59½ 25.5 48 7½ 360 163 1505 4 3000 5100 HTDE 3000 1 75½ 25½ 64 7½ 420 191 1911 6 3000 5100 HTDE 3000 1 75¼ 25½ 64 7½ 420 191<	ers Flanged Element Number of A B C D Weight A B Madel Dimensions Meter Meter Model Of A B C D Weight A B Madel Dimensions Madel Dimensions Meter Meter Madel Dimensions Madel Dis	ers Flanged Number Model (Grade) Number of Elements Dimensions In. Dimensions In.<	Metric Pipe Size Flow Rate Element Number of A B C D Weight A B C D 3 1500 2550 HTDE 1500 1 58 15 48 10 165 74 1473 381 1219 254 4 1500 2550 HTDE 1500 1 58 15 48 10 165 74 1473 381 1219 254 4 1500 2550 HTDE 1500 1 58 17½ 48 6½ 175 80 1473 435 1219 165 4 2000 3400 HTDE 2000 1 58 21½ 48¼ 13 320 145 1473 543 1226 330 6 3000 5100 HTDE 3000 1 72 1½ 62¼ 13 385 175 1829 543 1581 330

Specs	Particle	M Oil Ca	ax. rrvover	Ma	IX.			Press	ure Loss	Ch	ange	M Woi	ax. 'king	Element End Cap
Filter Element	Removal in Microns	at 68°F ppm	at 20°C mg/m³	Tempe °F	rature °C	Clear psi	n & Dry mbar	V psi	Vet mbar	Ele psi	ment mbar	Pres psig	sure barg	Color Code
High-tem	perature du													
HTDE	1	2	2	450	250	1.1	75	NA	NA	6	400	150	10	Brick Red

Correction	Factor					
Operating	psig	145	290	435	580	725
Pressure	barg	10	20	30	40	50
Correction F	actor	0.34	0.57	0.71	0.86	1.0

MECHANICAL MOISTURE SEPARATORS 20 TO 1500 CFM, 230 PSIG, SERIES WSNT

Quincy Mechanical Moisture Separators are designed to remove bulk liquids and large volumes of water. They are typically installed downstream of aftercoolers, air receivers, refrigerated air dryers and at strategic points of use throughout the compressed air distribution system. The design employs an internal spinner to create a centrifugal action that effectively removes large quantities of water.

Reutiner Reutiner

• Large sump and quiet zone to prevent moisture re-entrainment

- Modular design allows for easy installation of multiple housings and saves energy
- Annular seal and captive O-ring prevent leaks
- Aluminum housings (1/4" to 3 NPT) feature electrophoretic coating to prevent corrosion
- Aluminum housings (1/4" to 3" NPT) carry a 10-year housing guarantee
- Standard automatic condensate drain

SPECIFICATIONS & ENGINEERING DATA

Moistu	re Separ	ators	;									N	Metric
					— Dim	iensions —					– Dime	nsions	
Filter	Pipe Size	Flov	v Rate	А	В	C	D	. Wei	ght	А	В	С	D
Model	NPT	sctm	Nm³/hr	ln.	ln.	In.	In.	lb.	kg.	mm	mm	mm	mm
WSNT 20	1/4	20	35	3	1¼	8¼	3	1.45	0.65	72	35	210	75
WSNT 30	3/8	30	50	3	1¼	8¼	3	1.45	0.65	72	35	210	75
WSNT 63	1/2	63	112	3½	1¼	8¼	4	2.90	1.30	88	32	210	100
WSNT 12	7 ¾	127	216	5	1½	12	4	5.95	2.70	125	39	300	100
WSNT 17	6 1	176	300	5	1½	12	4	5.95	2.70	125	39	300	100
WSNT 31	8 1¼	318	540	5	1½	12	4	5.95	2.70	125	39	300	100
WSNT 42	7 1½	427	725	5½	2	19	6	9.70	4.40	135	50	480	150
WSNT 67	52	675	1150	5½	2	19	6	9.70	4.40	135	50	480	150
WSNT 10	00 2½	1000	1700	8	2¾	24	8	25.5	11.5	200	68	590	200
WSNT 15	00 3	1500	2550	8	23/4	24	8	25.5	11.5	200	68	590	200

Specs Filter Model	M Recomi Operatir °F	ax. mended ng Temp. °C	Reco Oper °F	Min. ommend ating Te	led mp. C	Ty Pressu At Rat psi	oical ire Loss ed Flow mbar	N Wo Pre psig	lax. orking ossure barg	9	
WSNT	248	120	35	1.	5	0.7	50	232	16		
Correction	Factor										
Operating	psig	4	9	15	29	4	4 5	8	72	87	100
Pressure	barg	0.3	0.6	1	2	3	3 4	1	5	6	7
Correction	Factor	0.21	0.29	0.38	0.53	3 0.0	65 0.	76 0	.84	0.92	1
Operating	psig	115	130	145	160) 17	74 18	39 2	03	218	232
Pressure	barg	8	9	10	11	1	2 1	3	14	15	16
Correction	Factor	1.07	1.13	1.19	1.25	5 1.3	31 1.	36 1	.41	1.46	1.51



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

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HIGH-PRESSURE ALUMINUM FILTERS

Coalescer — Absorber

Quincy's aluminum alloy, 750 psig high pressure filter lineup offers an economic alternative to the high cost of stainless steel. There are two levels of coalescing and an activated carbon absorber. Ideally suited for the PET bottle blowing industry, the coalescers remove various levels of liquid aerosols and the activated carbon absorber removes vapor and odors.

- High-temperature capacity (250ûF.)
- Multiwrap element construction for optimum performance and long life
- Synthetic lubricant and mineral oil compatibility
- Large sump and quiet zone to prevent re-entrainment
- Push-to-fit design for easy filter element replacement
- Modular design allows for easy installation of multiple filters and saves energy

750 psig/250°F

150 to 3000 scfm (1/2" to 2" NPT)

- HSCT standard coalescer
- HPCT polishing coalescer
- HACT activated carbon



HIGH-PRESSURE STAINLESS STEEL FILTERS

Coalescer — Absorber

Quincy's line of 316 grade Stainless Steel filters for pressure requirements of 750 psig through 5000 psig feature:

- Three pressure ranges (750 psig, 1,500 psig, 5,000 psig)
- Heavy-duty, Stainless Steel tie rod design for 1500 psig and 5000 psig

750 psig/250°F

60 to 2000 scfm (1/2" to 2" NPT)

- SSCT standard coalescer
- SPCT polishing coalescer
- SACT activated carbon

1500 psig/250°F

65 to 2050 scfm (1/2" to 2" NPT)

- ESCT standard coalescer
- EPCT polishing coalescer
- EACT activated carbon

5000 psig/250°F

28 to 775 scfm (1/2" to 11/2" NPT)

- VSCT standard coalescer
- VPCT polishing coalescer
- VACT activated carbon



HIGH PRESSURE, 750 PSIG - SPECIFICATIONS & ENGINEERING DATA

Aluminum	. 750) psia											Me	tric	
Eilter Medel - E	Dina Cinc	Elan	Poto	Element	Number		Dimer	nsions —		14/0		٨	Dime	nsions	D
(Grade)	NPT	scfm	Nm ³ /hr	(Grade)	Elements	In.	ы In.	In.	In.	lb.	kg.	mm	mm	mm	mm
Grade 94	1/4	94	160	H E 94	1	2 ¹ / ₂	1/2	6	2	0.5	0.25	63	15	150	50
Grade 147	³ /8	147	250	HE 14	7 1	2 ¹ / ₂	1/2	7 ¹ / ₂	2	0.6	0.27	63	15	190	50
Grade 265	1/2	265	450	HE 26	51	4 ¹ / ₂	1 ¹ / ₂	12	6	5.7	2.60	114	38	305	150
Grade 324	3/4	324	550	HE 324	4 1	4 ¹ / ₂	1 ¹ / ₂	12	6	5.7	2.60	114	38	305	150
Grade 492	1	492	835	HE 492	2 1	4 ¹ / ₂	1 ¹ / ₂	15 ¹ / ₂	6	7.3	3.30	114	38	395	150
Grade 1015	11/2	1015	1725	HE 10	15 1	5 ³ /4	2	21	7	16.5	7.50	146	50	435	170
Grade 1132	2	1132	1925	HE 113	32 1	5 ³ /4	2	21	7	16.5	7.50	146	50	435	170
Grade 1882	2	1882	3200	HE 18	82 1	5 ³ /4	2	25	7	22.0	10.00	146	50	635	170



High-pressure aluminum filter element grades, 750 psig

HSCE	1	0.1	0.1	248	120	1.1	75	2.2	150	6	400	750	50	Black
HPCE	0.01	0.01	0.01	248	120	1.5	100	4.4	300	6	400	750	50	Black
HACE	0.01	0.003	0.003	77	25	1.1	75		- see n	otes -		750	50	Black







Stainless Steel, 750 psig Metric Element Model (Grade) Number Dimensions Dimensions Filter Model Pipe Size (Grade) NPT Flow Rate scfm Nm³/h A mm of Eleme Weight А ka In In mm mm S_ _E 60 S_ _E 120 1.70 2.00 Grade 60 $^{1}/_{4}$ 60 100 $3^{1}/_{2}$ ³/4 3 3.80 85 170 75 1 7 18 Grade 120 $^{3}/_{8}$ 120 200 31/2 $^{3}/_{4}$ 8 4 4.40 85 18 205 100 1 Grade 200 1/2 200 340 S_ _E 200 3¹/₂ $^{3}/_{4}$ 10 4 4.90 2.20 85 18 255 100 Grade 300 $^{3}/_{4}$ 300 500 S_ _E 300 $4^{1}/_{2}$ 1¹/₄ 11 6 8.80 4.00 110 27 270 150 Grade 600 1 600 1000 S__E 600 **4**¹/₂ 11/4 17 12 11.0 5.00 110 27 420 300 _E 1000 _E 1200 Grade 1000 1000 1700 1³/4 21 12 33.0 15.0 150 45 525 300 1¹/₂ S_{-} 6 Grade 1200 2040 S_ 6 1³/4 21 12 33.0 15.0 150 45 525 300 2 1200 Grade 2000 2 2000 3400 S_ E 2000 1³/4 33 20 46.0 21.0 150 45 825 500

Specs Filter Element	Particle Removal in Microns	N Oil Ca at 68°F ppm	lax. arryover at 20°C mg/m³	Ma Tempe °F	ax. erature °C	Clear psi	n & Dry mbar	Pressu V psi	ure Loss Vet mbar	Ch Ele psi	ange ment mbar	M Wor Pres psig	ax. king sure barg	Element End Cap Color Code
High-pressure stainless steel filter element grades, 750 psig														
SSCE	1	0.1	0.1	248	120	1.1	75	2.2	150	10	700	750	50	Black
SPCE	0.01	0.01	0.01	248	120	1.5	100	4.4	300	10	700	750	50	Black
SACE	0.01	0.003	0.003	77	25	1.1	75 -		see n	otes –		750	50	Black

Correcti	Correction Factor for Aluminum						
Operatio	725	580	35	43	290 43	145 290 43	psia 145 290 43
9	Pressure	50 Pressure	40 50 Pressure	30 40 50 Pressure	20 30 40 50 Pressure	10 20 30 40 50 Pressure	barg 10 20 30 40 50 Pressure
n Factor	Correction Factor	1.0 Correction Factor	0.86 1.0 Correction Factor	0.71 0.86 1.0 Correction Factor	0.57 0.71 0.86 1.0 Correction Factor	0.34 0.57 0.71 0.86 1.0 Correction Factor	Factor 0.34 0.57 0.71 0.86 1.0 Correction Factor



HIGH PRESSURE 1500 & 5000 PSIG — SPECIFICATIONS & ENGINEERING DATA

Stainless	s Steel,	1500	psig		Nur	nber		Din	Dimensions				Metric Dimensions				
Filter Model	Pipe Size	Flow	Rate E	Element N	lodel	of	А	В	С		D	W	eight	А	В	С	D
(Grade)	NPT	scfm	Nm³/hr	(Grade) Elen	nents	ln.	ln.	In.		ln.	lb.	kg.	mm	mm	mm	mm
High-press	ure stain	ess ste	el filter	elemen	grade	s, 150	0 psig										
Grade 65	1/4	65	110	ΕE	65 65	1	23/4	3/4	6		3	7.10	3.20) 65	20	135	70
Grade 185	3/8	185	315	EE	185	1	2 ³ /4	3/4	10		7	12.3	5.60) 65	20	250	180
Grade 270	1/2	270	460	EE	270	1	3 ¹ / ₂	3/4	11		10	13.5	6.10	88	20	275	250
Grade 400	3/4	400	680	EE	400	1	51/s	1	11		6	23.2	10.	5 132	26	265	150
Grade 700	1	700	1200	EE	700	1	5 ¹ /8	1	19		12	32.4	14.	7 132	26	480	300
Grade 1050	0 1 ¹ / ₂	1050	1785	EE	1050	1	6	1³/4	21		12	48.5	22.0) 150	45	525	300
Grade 2050	02	2050	3485	EE	2050	1	6	1 ³ /4	33		20	61.7	28.0) 150	45	825	500
Specs			Max.					Press	ure Loss			Ma	ax.	Element			
	Particle	Oil	Carryover	N	lax.					Ch	ange	Wor	king	End Cap			
Filter	Removal in Microns	at 68°	'F at 20°	C lemp ₃ ⁰⊑	erature °C	Clea	in & Dry mbar	v Dei	Vet	Ele	ment	Pres	sure barg	Color			
Liement		ppm	mg/m		~	par	mbai	pai	mbai	Pai	mbai	psig	barg	Code			
High-press	ure stain	ess ste	el filter	elemen	: grade	s, 150	0 psig										
ESCE	1	0.1	0.1	248	120	1.1	75	2.2	150	6	400	1500	100	Black			
EPCE	0.01	0.01	0.01	248	120	1.5	100	4.4	300	6	400	1500	100	Black			
EACE	0.01	0.003	0.003	3 77	25	1.1	75		see no	otes		1500	100	Black			

Stainless	Steel,	5000) psig		Number		Dimer	nsions					Me Dime	tric nsions	
Filter Model	Pipe Size	Flow	v Rate	Element Mode	l of	А	В	С	D	Wei	ight	А	В	С	D
Grade)	NPT	scfm	Nm³/hr	(Grade)	Elements	ln.	ln.	ln.	ln.	lb.	kg.	mm	mm	mm	mm
High-press	ure stainl	ess ste	eel filte	r element gra	ades, 500	00 psig									
Grade 28	1/4	28	48	VE 28	1	1 ³ /4	1/2	4	3	3.50	1.60	41	10	103	60
Grade 67	3/8	67	111	VE 67	1	2 ³ / ₄	3/4	6	3	7.10	3.20	65	20	135	70
Grade 150	1/2	150	255	VE 150	1	31/2	3/4	9	6	12.3	5.60	88	20	210	150
Grade 310	3/4	310	520	VE 310	1	3 ¹ / ₂	1	11	10	13.5	6.10	88	25	280	250
Grade 445	1	445	750	VE 445	1	6	11/2	13	8	32.0	14.5	150	35	330	200
Grade 775	11/2	775	1330	VE 775	1	6	11/2	19	12	38.4	17.4	150	35	180	300

Specs Filter Element	Max. Particle Oil Carryover Removal at 68°F at 20°C in Microns ppm mg/m ³			Ma Tempe °F	ax. erature °C	Clear psi	Pressure Loss Change Clean & Dry Wet Element psi mbar psi mbar psi mb					Max. Working Pressure psig barg		Element End Cap Color Code	
High-pre	High-pressure stainless steel filter element grades, 5000 psig														
VSCE	1	0.1	0.1	248	120	1.1	75	2.2	150	10	700	5000	350	Black	
VPCE	0.01	0.01	0.01	248	120	1.5	100	4.4	300	10	700	5000	350	Black	
VACE	0.01	0.003	0.003	77	25	1.1	75		– see n	otes -		5000	350	Black	





Correction														
Operating	psig	290	435	580	725	870	1015	1160	1300	1500				
Pressure	barg	20	30	40	50	60	70	80	90	100				
Correction F	actor	0.45	0.57	0.68	0.80	0.84	0.88	0.92	0.96	1.0				
Correction	Correction Factor for Stainless Steel, 5000 psig													
Operating	psig	725	1450	2175	2900	3625	4350	5000	-					
Pressure	barg	50	100	150	200	250	300	350						
Correction F	actor	0.73	0.78	0.82	0.87	0.91	0.96	1.0						



MIST ELIMINATOR - HIGH EFFICIENCY HEAVY-DUTY COALESCING FILTER

LONG LIFE AND LOW PRESSURE DROP

The Quincy Mist Eliminator is a heavy-duty coalescing type filter engineered to efficiently remove oil, particulate, and water from compressed air. By using a combination of impaction, interception and Brownian Movement, the Quincy Mist Eliminator achieves 100% efficiency in removing particles 3 micron and larger, 99.98% of 0.1 micron and larger and 99.5% of 0.01 micron and larger. Typical pressure drop is less than 1 psig. Average element life in continuous service is 10 years.

A 10-year element life can be achieved in relatively clean environments.

- Lower pressure drop compared to conventional coalescing and particulate filters (average 1 psig versus 6 psig). Higher pressure drops require the compressor to operate at an elevated pressure, therefore requiring more power. Every 2 psig reduction in pressure saves approximately 1% air compressor power based on 100 psig operating pressure. Quincy Mist Eliminator could easily save in excess of \$3,000 per year in air compressor electrical energy (based on 8,000 hours per year operation, \$0.07 per Kw hour, 100 hp compressor and a 93% motor efficiency).
- Large tank volume captures and retains inadvertent lubricant discharge caused by compressor separation system malfunction, which protects downstream equipment.
- Average element life of 10 years versus 6 months for conventional coalescing and particulate filter elements reduces maintenance and waste disposal.



Calibrated Differential Pressure Gauge is standard equipment



ME — SPECIFICATIONS & ENGINEERING DATA

Mist Elimi	nator		— Dimen	sions —	Min. Filter Removal		In/Out Flanged	Drain
Model	scfm @ 100 psig	Max psig	Diameter In.	Height In.	Clearance* In.	Approx Wt. lb.	Connections In.	Connections In.
ME 250S	250	150	14	45 ¹ /8	22	471	1 ¹ / ₂	1 NPT
ME 500S	500	150	14	58 ¹ /8	35	518	2	1 NPT
ME 800S	800	150	14	73 ¹ /4	50	586	2 ¹ / ₂	1 NPT
ME 1100S	1100	150	16	78 ¹ / ₂	55 ¹ /8	664	3	1 NPT
ME 1500TP	1500	150	18	69 ⁷ /8	45 ³ /8	805	4	1 NPT
ME 1900TP	1900	150	18	74 ⁷ /8	50 ³ /8	965	4	1 NPT
ME 2500TP	2500	150	18	867/8	62 ³ /8	860	5	1 NPT
ME 3500TP	3500	150	24	8611/16	59 ⁷ /8	1400	5	1 NPT
ME 4500TP	4500	150	24	99 ³ / ₄	72 ⁷ /8	1517	6	1 NPT
ME 5000TP	5000	150	24	1053/4	787/8	1564	6	1 NPT
ME 6000TP	6000	150	24	1207/8	93 ⁷ /8	1726	8	1 NPT
ME 7000TP	7000	150	30	108³/8	80 ¹ /8	2450	8	11/2 NPT
ME 8000TP	8000	150	30	116 ³ /8	88 ¹ /8	2520	8	11/2 NPT
ME 9000TP	9000	150	30	124 ³ /8	96 ¹ /8	2603	8	11/2 NPT
ME 10000TP	10000	150	36	118 ³ /16	885/8	3640	10	11/2 NPT
ME 15000TP	15000	150	42	13211/1/	1007/0	CE	10	11/2 NPT

Notes: Larger Sizes Available Consult Factory. * Does Not Include Rigging.



UNIQUE DOUBLE ELEMENT DESIGN

1,500 cfm through 15,000 cfm models utilize a space-saving double element design (see Figure 2). Using a double nesting technique, the Quincy Mist Eliminator offers high efficiency separation in a low profile package. By nesting an element inside an element, total surface area is greater than conventional single element designs. Due to reduced overall height, the Quincy Mist Eliminator can be installed in locations where conventional single element designs cannot. For example, a 10,000 cfm Quincy Mist Eliminator low profile design is only 118 inches tall. Compare this to other single element designs that are 210 inches tall. That's a reduction of over 7 feet in overall height! Imagine the savings in time and convenience when you change the element or service the unit.

All Quincy Mist Eliminator tanks are ASME coded and stamped. Standard equipment includes a calibrated differential pressure gauge and enamel paint. No Loss Demand Drains are optional. Pressure relief valves are not included but may be required by local codes.





QUINCY COMPRESSOR AIR QUALITY PERFORMANCE GUARANTEE

- Quincy Compressor offers a performance guarantee on its Air Treatment Filtration line. Quincy's Filters are guaranteed to perform to the currently published specifications as found in filtration documentation available at www.quincycompressor.com/ literature_library.html.
- Under normal operating conditions, and when installed in an original installation, the Quincy CPNT, CSNT and DCNT filter elements meet or exceed air quality standards of ISO 8573. The Quincy filters are guaranteed to operate for 6,000 hours or 12 months, whichever shall occur first, before reaching the recommended 6 PSIG pressure differential for filter replacement.
- Quincy Compressor guarantees that the aforementioned filters will perform as stated above, or Quincy Compressor will either repair or replace the filter or element, at Quincy's discretion. Quincy Compressor will not be responsible for removal, reinstallation and/or related costs.

The Air Quality Performance Guarantee is in accordance and established based upon Air Quality-ISO 8573 standard for oil-free and contaminant-free compressed air applications. The Air Quality Performance Guarantee remains in effect for the below listed site so far as all installation and maintenance requirements set forth and in accordance with the warranty and policies and procedures handbok, under Section 1 General Information; Warranty Coverage Rules, are maintained.





THE QUINCY PROMISE

Quincy Compressor and its partnering distributors promise to provide you with uncompromising reliability in all Quincy equipment. This makes your compressed air system one less thing that you need to worry about, allowing you to focus on your company's productivity and profitability.



THE QUINCY SOLUTION

Operating at peak efficiency and providing quality product is a priority for many of our customers. Quincy Compressor in partnership with our global network of authorized distributors strives to be your provider for all of your compressed air system needs. From the air compressor to filtration to dryers and storage solutions, Quincy Compressor is your single source provider for all of your compressed air system needs.

Air Compressors

Quincy Compressor is a premier provider of many different types of air compressors designed for a variety of applications using different compression technologies.

The **Quincy QT** is a Reciprocating Splash Lubricated compressor for tough everyday use. The **Quincy QP** is a reciprocating fully pressure lubricated compressor for a competitive advantage. The **Quincy QR** is a reciprocating compressor designed for the most demanding conditions. The **Quincy QGS 5-30 HP** is a heavy-duty belt driven rotary compressor at a competitive price. The **Quincy QSI** provides an industrial grade premium fixed speed rotary screw air compressor. The **Quincy QGV** provides a premium variable speed rotary screw air compressor designed to optimize your energy efficiency.

Compressed Air Treatment

Quincy Compressor is your single-source provider of compressed air treatment products to complement your air compressor. Quincy provides refrigerated air dryers, desiccant air dryers, compressed air filtration from 5 to .01 micron, condensate drains, condensate management systems, storage solutions, and flow control valves. Quincy Compressor is truly a single-source provider for all of your compressed air needs.

Genuine Parts

Genuine Parts from Quincy Compressor keep your equipment running like new. When servicing your Quincy compressor, insist on Genuine Quincy parts. Not only will you save time and money, but you will gain the peace-of-mind from using only the highest quality parts worthy of the Quincy name.

System Controls

Whether you have one air compressor or many air compressors from many different manufacturers, Quincy Compressor provides you with a way to control and monitor all of the components in your compressed air system in a way that maximizes your energy efficiency and decreases your energy costs. Whether you need to control your system on site or from half way around the world, Quincy Compressor is your source for reliable, efficient controls.

COMPRESSED AIR SYSTEMS BEST PRACTICE





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