

# Quality Air Solutions

## Compressed Air Filters



Your production processes and end products depend on the best quality compressed air. Untreated compressed air may cause extensive damage and lead to serious performance degradation. To protect your investment, equipment and processes, Atlas Copco offers a comprehensive line-up of innovative filtration solutions based on enhanced glass fiber media to efficiently reduce all types of contamination.



### YOUR BENEFITS:

- Maximum contaminant removal
- Significant energy savings
- Limited system operating costs
- Increased reliability
- Easy maintenance

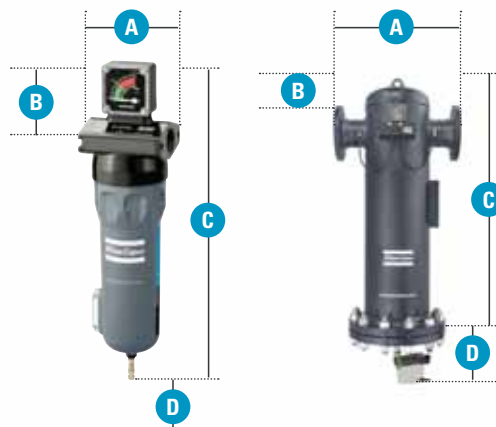
*Sustainable Productivity*

**Atlas Copco**

# TECHNICAL SPECIFICATIONS

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

FILTER SIZE	Nominal capacity		Reference pressure		Maximum pressure		Connections	Dimensions						Free space for cartridge replacement		Weight	
								A		B		C		D			
	l/s	cfm	bar(e)	psig	bar(e)	psig		mm	in	mm	in	mm	in	mm	in	kg	lbs
10+	10	21	7	102	20	290	3/8	90	3.5	61	2.4	268	10.6	75	2.9	1.0	2.2
20+	20	42	7	102	20	290	1/2	90	3.5	61	2.4	268	10.6	75	2.9	1.1	2.4
35+	35	74	7	102	20	290	1/2	90	3.5	61	2.4	323	12.8	75	2.9	1.3	2.9
50+	50	106	7	102	20	290	3/4 & 1	110	4.3	99	3.9	374	14.7	75	2.9	1.6	4.2
70+	70	148	7	102	20	290	1	110	4.3	99	3.9	414	16.3	75	2.9	2.1	4.6
130+	130	275	7	102	20	290	1-1/2	140	5.5	105	4.1	520	20.5	100	3.9	4.2	9.3
170+	170	360	7	102	20	290	1-1/2	140	5.5	105	4.1	603	23.7	100	3.9	4.5	9.9
210+	210	445	7	102	20	290	1-1/2	140	5.5	105	4.1	603	23.7	100	3.9	4.6	10.1
310+	310	657	7	102	20	290	2 & 2-1/2	179	7.1	121	4.8	689	27.1	150	5.9	6.9	15.2
425+	425	901	7	102	16	232	3	210	8.3	128	5.1	791	31.1	200	7.9	11.0	24.2
550+	550	1165	7	102	16	232	3	210	8.3	128	5.1	961	37.8	200	7.9	12.6	27.8
550+F	550	1165	7	102	16	232	DN80	370	14.6	190	7.5	1295	51.0	1375	54.1	76.0	167.6
850+F	850	1801	7	102	16	232	DN100	510	20.1	230	9.1	1360	53.5	1500	59.1	141.0	310.9
1100+F	1100	2331	7	102	16	232	DN100	510	20.1	230	9.1	1360	53.5	1500	59.1	143.0	415.3
1400+F	1400	2967	7	102	16	232	DN150	620	24.4	290	11.4	1480	58.3	1560	61.4	210.0	463.0
1800+F	1800	3814	7	102	16	232	DN150	640	25.2	285	11.2	1555	61.2	1640	64.6	176.0	388.0
2200+F	2200	4662	7	102	16	232	DN150	640	25.2	285	11.2	1555	61.2	1640	64.6	178.0	392.4
3000+F	3000	6357	7	102	16	232	DN200	820	32.3	400	15.7	1745	68.7	1710	67.3	420.0	925.9
4000+F	4000	8476	7	102	16	232	DN200	820	32.3	400	15.7	1745	68.7	1710	67.3	428.0	943.6
5000+F	5000	10595	7	102	16	232	DN250	820	32.3	400	15.7	1745	68.7	1710	67.3	432.0	952.4
6000+F	6000	12714	7	102	16	232	DN250	920	32.3	550	18.9	2085	80.3	1625	64	594.0	1034.0
7000+F	7000	14833	7	102	16	232	DN300	920	36.2	550	21.7	2085	82.1	1625	64	597.0	1479.3
8000+F	8000	16952	7	102	16	232	DN300	1040	40.9	525	20.7	2070	81.5	1625	64	1140.0	1984.2



## Pressure drop

	DD+ DDh+	DDp+ DDhp+	PD+ PDh+	PDp+ PDhp+	QD+ QDh+
Dry pressure drop (mbar)	N/A	85	N/A	100	140
Wet pressure drop (mbar)	180	N/A	215	N/A	N/A
Max. oil carry-over (mg/m <sup>3</sup> )	0.07*	N/A	0.008*	N/A	0.003**
Count efficiency (% at MPPS)	N/A	99.92	N/A	99.98	N/A

N/A: Not applicable.

\* Inlet oil concentration 10 mg/m<sup>3</sup>.

\*\* After DD+ PD+.

For other compressed air inlet pressures, multiply the filter capacity by the following correction factors:

Inlet pressure (bar)	1	2	3	4	5	6	7	8	10	12	14	16	18*	20*
Inlet pressure (psig)	15	29	44	58	72.5	87	102	116	145	174	203	232	261	290
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	1.57	1.66

\* High pressure variants are not available for sizes 425+ and larger.



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