Options
DD+/PD+/UD+/DDp+/PDp+/QD+

- Smart indicator
- External wiring for smart indicator
- Potential-free alarm for gauge
- Filter connection kit
- Wall mounting kit
- Mechanical drain WD 80
- Zero-loss electronic drain (IWD)



		DD+/ PD+/ UD+			DDp+/ PDp+/QD+		
		Threaded std	Threaded inPASS	Flanged	Threaded std	Threaded inPASS	Flanged
Standard							
	Depressurizing valve (for DDp+/ PDp+/QD+)	x	x	x	x	x	x
Drain	Floater drain (for DD+/PD+/UD+)	x	x				
	Electronic drain EWD (for DD+/ PD+/UD+)			x			
Indicator (excl. QD+)	Pop-up indicator	size 7-25			size 7-25		
	Gauge	size >25			size >25		
	Smart indicator		x	x		x	x
Bypass			x			x	
Options							
	Smart indicator	x			x		
	External wiring for smart indicator	x	x	x	x	x	x
	Potential-free alarm for gauge	size >25			size >25		
	Filter connection kit	x	x		x	x	
	Wall mounting kit	x	x		x	x	
	Mechanical drain WD 80			x			
	Electronic drain EWD	x	x				

Correction factors

When working with other pressures than the nominal pressure, the actual FAD capacity is calculated by multiplying the correction factor with the rated AML capacity. The calculated actual flow capacity corresponds to the AML-stated pressure drop.

Working pressure in bar(g)	1	2	3	4	5	6	**7**	8	10	12	14	16
Correction factor	0.38	0.53	0.65	0.75	0.83	0.92	**1**	1.06	1.20	1.31	1.41	1.50

Sizing & dimensions
DD+/PD+/UD+/DDp+/PDp+/QD+

Filter size with or without inPASS™	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	G	NPT	mm	inch	mm	inch	mm	inch	mm	inch	kg	lbs
7+	7	15	7	102	16	232	G 1/2	NPT 1/2	106	4.17	90	3.54	362.6	14.3	90	3.54	1.18	2.60
15+	15	32	7	102	16	232	G 1/2	NPT 1/2	106	4.17	90	3.54	362.6	14.3	90	3.54	1.24	2.73
25+	25	53	7	102	16	232	G 1/2	NPT 1/2	106	4.17	90	3.54	415.1	16.3	90.5	3.56	1.45	3.20
45+	45	95	7	102	16	232	G 3/4	NPT 3/4	135	5.31	110	4.33	442.6	17.4	110	4.33	2.35	5.18
75+	75	159	7	102	16	232	G 1	NPT 1	135	5.31	110	4.33	527.6	20.8	110	4.33	2.8	6.17
110+	110	233	7	102	16	232	G 1 1/2	NPT 1 1/2	175	6.89	143	5.63	559.1	22.0	130.5	5.14	5.4	11.91
145+	145	307	7	102	16	232	G 1 1/2	NPT 1 1/2	175	6.89	143	5.63	629.1	24.8	130.5	5.14	5.93	13.08
180+	180	381	7	102	16	232	G 1 1/2	NPT 1 1/2	175	6.89	143	5.63	699.1	27.5	130.5	5.14	6.45	14.22
240+	240	509	7	102	16	232	G 2	NPT 2	222	8.74	171	6.73	729.6	28.7	175	6.89	9.54	21.04
300+	300	636	7	102	16	232	G 2	NPT 2	222	8.74	171	6.73	822.6	32.4	175	6.89	10.71	23.62
							G 2 1/2	NPT 2 1/2									10.43	23.00
									Non-inPASS™ variant: height "C" decreases by 51 mm (2") for sizes 7-25 and by 10 mm (0.4") for sizes 45-300.									
With inPASS™																		
380+	380	805	7	102	14	203	G 3	NPT 3	250	9.84	191	7.52	927.1	36.5	200.5	7.89	13.6	29.99
425+	425	901	7	102	14	203	G 3	NPT 3	250	9.84	191	7.52	1043.1	41.1	200.5	7.89	14.95	32.96
510+	630	1081	7	102	14	203	G 3	NPT 3	250	9.84	191	7.52	1281.1	50.4	200.5	7.89	19.6	43.22
Without inPASS™																		
360+	360	763	7	102	16	232	G 2 1/2	NPT 2 1/2	222	8.74	171	6.73	812.7	32.0	175	6.89	10.2	22.49
430+	430	911	7	102	16	232	G 3	NPT 3	250	9.84	191	7.52	917.2	36.1	200.5	7.89	13.98	30.83
525+	525	1112	7	102	16	232	G 3	NPT 3	250	9.84	191	7.52	1033.2	40.7	200.5	7.89	15.32	33.78
630+	630	1335	7	102	16	232	G 3	NPT 3	250	9.84	191	7.52	1271.2	50.0	200.5	7.89	19.24	42.42
Flanged							Flanged connection											
480+	480	1017	7	102	16	232	DN 80		370	15	316	12	1295*	51*	1375	54	76	168
860+ T	860	1822	7	102	16	232	DN 100		550	22	418	17	798	31	230	9	38	84
970+	970	2055	7	102	16	232	DN 100		510	20	451	18	1360*	54*	1500	59	141	311
1050+ T	1050	2225	7	102	16	232	DN 100		550	22	418	17	914	36	230	9	41	90
1260+	1260	2670	7	102	16	232	DN 100		510	20	451	18	1360*	54*	1500	59	143	315
1260+ T	1260	2670	7	102	16	232	DN 100		550	22	418	17	1152	45	230	9	49	107
1600+	1600	3390	7	102	16	232	DN 150		620	24	506	20	1480*	58*	1560	61	210	463
2100+	2100	4450	7	102	16	232	DN 150		640	25	541	21	1555*	61*	1640	65	176	388
2500+	2500	5297	7	102	16	232	DN 150		640	25	541	21	1555*	61*	1640	65	178	392
3000+	3000	6357	7	102	16	232	DN 200		820	32	701	28	1745*	69*	1710	67	420	926
3500+	3500	7416	7	102	16	232	DN 200		820	32	701	28	1745*	69*	1710	67	424	935
4000+	4000	8476	7	102	16	232	DN 200		820	32	701	28	1745*	69*	1710	67	428	944
5000+	5000	10594	7	102	16	232	DN 200		820	32	701	28	1745*	69*	1710	67	432	952
6000+	6000	12713	7	102	16	232	DN 250		920	36	815	32	2085*	82*	1625	64	671	1479
7000+	7000	14832	7	102	16	232	DN 250		920	36	815	32	2085*	82*	1625	64	679	1497
8000+	8000	16951	7	102	16	232	DN 300		1040	41	930	37	2070*	81*	1625	64	896	1975
9000+	9000	19070	7	102	16	232	DN 300		1040	41	930	37	2070*	81*	1625	64	900	1984

* +60 mm/2.36 in for units with an electronic drain & +70 mm/2.76 in for a mechanical float.

Temperature correction factors QD+

At higher temperatures, more compressor oil evaporates. When the actual working air inlet temperature differs from the reference, divide the filter capacity by the corresponding correction factors to obtain the correct capacity.

Inlet temperature °C	20	25	30	35	40	45	50	55	60
Inlet temperature °F	68	77	96	95	104	113	122	131	140
Correction factor oil-free	1	1	1	1	1	1	**1**	1	1
Correction factor oil-lubricated	1	1	1	1.2	1.5	1.7	**2.1**	2.4	2.6

Some environmental or process aspects could cause a higher amount of hydrocarbons or other volatile organic compounds in the compressed air. Contact Atlas Copco when higher concentrations can be expected.