Filter type	Nominal Capacity*			Maximum pressure		Connections/ port thread	Dimensions			Free space for cartridge replacement	Weight
							A	B	C	D	
	l/min	m^3/h	cfm	bar	psi	G	mm	mm	mm	mm	Kg
FILTER 45	720	43	25	16	232	3/8 “	90	21	228	75	1
FILTER 90	1500	90	53	16	232	1/2”	90	21	228	75	1,1
FILTER 125	2100	126	74	16	232	1/2”	90	21	283	75	1,3
FILTER 180	3000	180	106	16	232	3/4”	110	27,5	303	75	1,9
FILTER 180	3000	180	106	16	232	1”	110	27,5	303	75	1,9
FILTER 290	4800	288	170	16	232	1”	110	27,5	343	75	2,1
FILTER 505	8400	504	297	16	232	1 1/2”	140	34	449	100	4,2
FILTER 685	11400	684	403	16	232	1 1/2”	140	34	532	100	4,5
FILTER 935	15600	936	551	16	232	1 1/2”	140	34	532	100	4,6
FILTER 1295	21600	1296	763	16	232	2”	179	50	618	150	6,9
FILTER 1295	21600	1296	763	16	232	2 1/2”	179	50	618	150	6,9
FILTER 1890	31500	1890	1112	16	232	3”	210	57	720	200	11,0
FILTER 2430	40500	2430	1430	16	232	3”	210	57	890	200	12,6

* Reference condition: pressure 7 bar (102 psi). Maximum operating temperature of 66°C, and 35°C, only for V series. Minimum operating temperature of 1°C.

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
Inlet pressure (psig)	15	29	44	58	72,5	87	**102**	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

The quality of air required throughout a typical compressed air system varies. Offering an extensive filter range, Chicago Pneumatic can always match your precise requirements, ensuring that all types of contamination are avoided and costs are reduced to an absolute minimum.

	S	D	G	C	P	V
Filter type	Solid particles	Solid particles	Oil aerosol & solid particles	Oil aerosol & solid particles	Oil aerosol & solid particles	Oil vapor
Test method	ISO 12500-3	ISO 12500-3	ISO 12500-1 ISO 8573-2	ISO 12500-1 ISO 8573-2	ISO 12500-1 ISO 12500-3 ISO 8573-2	ISO 8573-5
Inlet Oil Concentration (mg/m³)	NA	NA	10	10	10	0,01
Count efficiency (% at MPPS)*	(MPPS=0,1 µm) 99,81	(MPPS=0,06 µm) 99,97	NA	NA	(MPPS=0,1 µm) 89,45	NA
Count efficiency (% at 1 µm)	99,97	99,999	NA	NA	94,19	NA
Count efficiency (% at 0,01 µm)	99,87	99,992	NA	NA	93,63	NA
Max oil carry-over (mg/m³)	NA	NA	0,1	0,01	1	0,003
Dry pressure drop (mbar)	120	140	NA	NA	85	160
Wet pressure drop (mbar)**	NA	NA	205	240	115	NA
Wet pressure drop (mbar), in typical compressor installation	NA	NA	185	200	NA	NA
Element service	After 4.000 operating hours or 1 year or pressure drop > 350 mbar	After 4.000 operating hours or 1 year or pressure drop > 350 mbar	After 4.000 operating hours or 1 year	After 4.000 operating hours or 1 year	After 4.000 operating hours or 1 year	After 1.000 operating hours (at 20°C) or 1 year
Precede with	-	S	water separator	G	-	G & C

* MMPS = Most Penetrating Particle Size
** Inlet oil concentration = 10 mg/m³

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Filter type	P	P	G	G	S	S
Size	G connection	NPT connection	G connection	NPT connection	G connection	NPT connection
FILTER 45	8102 8439 46	8102 8447 20	8102 8440 76	8102 8448 52	8102 8442 09	8102 8449 85
FILTER 90	8102 8439 53	8102 8447 38	8102 8440 84	8102 8448 60	8102 8442 17	8102 8449 93
FILTER 125	8102 8439 61	8102 8447 46	8102 8440 92	8102 8448 78	8102 8442 25	8102 8450 08
FILTER 180	8102 8439 79	8102 8447 53	8102 8441 00	8102 8448 86	8102 8442 33	8102 8450 16
FILTER 180	8102 8439 87	8102 8447 61	8102 8441 18	8102 8448 94	8102 8442 41	8102 8450 24
FILTER 290	8102 8439 95	8102 8447 79	8102 8441 26	8102 8449 02	8102 8442 58	8102 8450 32
FILTER 505	8102 8440 01	8102 8447 87	8102 8441 34	8102 8449 10	8102 8442 66	8102 8450 40
FILTER 685	8102 8440 19	8102 8447 95	8102 8441 42	8102 8449 28	8102 8442 74	8102 8450 57
FILTER 935	8102 8440 27	8102 8448 03	8102 8441 59	8102 8449 36	8102 8442 82	8102 8450 65
FILTER 1295	8102 8440 35	8102 8448 11	8102 8441 67	8102 8449 44	8102 8442 90	8102 8450 73
FILTER 1295	8102 8440 43	8102 8448 29	8102 8441 75	8102 8449 51	8102 8443 08	8102 8450 81
FILTER 1890	8102 8440 50	8102 8448 37	8102 8441 83	8102 8449 69	8102 8443 16	8102 8450 99
FILTER 2430	8102 8440 68	8102 8448 45	8102 8441 91	8102 8449 77	8102 8443 24	8102 8451 07

Filter type	C	C	D	D	V	V
Size	G connection	NPT connection	G connection	NPT connection	G connection	NPT connection
FILTER 45	8102 8443 32	8102 8451 15	8102 8444 64	8102 8452 48	8102 8445 97	8102 8453 70
FILTER 90	8102 8443 40	8102 8451 23	8102 8444 72	8102 8452 55	8102 8446 05	8102 8453 88
FILTER 125	8102 8443 57	8102 8451 31	8102 8444 80	8102 8452 63	8102 8446 13	8102 8453 96
FILTER 180	8102 8443 65	8102 8451 49	8102 8444 98	8102 8452 71	8102 8446 21	8102 8454 04
FILTER 180	8102 8443 73	8102 8451 56	8102 8445 06	8102 8452 89	8102 8446 39	8102 8454 12
FILTER 290	8102 8443 81	8102 8451 64	8102 8445 14	8102 8452 97	8102 8446 47	8102 8454 20
FILTER 505	8102 8443 99	8102 8451 72	8102 8445 22	8102 8453 05	8102 8446 54	8102 8454 38
FILTER 685	8102 8444 07	8102 8451 80	8102 8445 30	8102 8453 13	8102 8446 62	8102 8454 46
FILTER 935	8102 8444 15	8102 8451 98	8102 8445 48	8102 8453 21	8102 8446 70	8102 8454 53
FILTER 1295	8102 8444 23	8102 8452 06	8102 8445 55	8102 8453 39	8102 8446 88	8102 8454 61
FILTER 1295	8102 8444 31	8102 8452 14	8102 8445 63	8102 8453 47	8102 8446 96	8102 8454 79
FILTER 1890	8102 8444 49	8102 8452 22	8102 8445 71	8102 8453 54	8102 8447 04	8102 8454 87
FILTER 2430	8102 8444 56	8102 8452 30	8102 8445 89	8102 8453 62	8102 8447 12	8102 8454 95