

Air Flow Rates - 2

Air flow rates in Nm³/hr at stated line pressure and 0.1 Bar pressure drop

Flow rates will depend on which filter element grade is installed in the filter housing. First check the size of the filter element installed using the housing data sheets and then use the charts below to read the flow rate at the desired pressure against the element grade. Replace the □ in the part number shown with the required grade, for example 25.178.7K.

25.127.□

Filter Element Grades			Air Pressure (Bar)							
Disposable	SS	PTFE	0.1	1	2	4	7	10	16	34
3E, 3K, 3S	-	T2	2	4	7	11	18	25	38	75
4E, 4K, 4S, 4L	-	-	4	8	11	18	30	41	64	125
5E, 5K, 5S, 5CE, 5CK, 5CS, 5CR	S2	T20	6	12	18	30	47	72	100	200
6E, 6K, 6S, 6CE, 6CK, 6CS, 6CR	S10	-	8	14	21	35	56	78	120	140
7E, 7K, 7S, 7CE, 7CK, 7CS, 7CR	S25	-	9	15	23	38	60	82	129	255
8E, 8K, 8S, 8CE, 8CK, 8CS, 8CR	S100	-	10	16	25	41	66	92	140	280

25.178.□

Filter Element Grades			Air Pressure (Bar)										
Disposable	SS	PTFE	0.1	1	2	4	7	10	16	100	200	400	700
3E, 3K, 3S	-	T2	3	6	10	16	25	35	54	110	320	640	1120
4E, 4K, 4S, 4L	-	-	6	11	16	26	42	58	90	180	530	1060	450
5E, 5K, 5S, 5CE, 5CK, 5CS, 5CR	S2	T20	9	17	25	42	67	92	140	280	840	1680	2950
6E, 6K, 6S, 6CE, 6CK, 6CS, 6CR	S10	-	11	20	30	49	79	110	170	340	900	1980	3460
7E, 7K, 7S, 7CE, 7CK, 7CS, 7CR	S25	-	12	21	32	53	84	115	180	360	1080	2120	3710
8E, 8K, 8S, 8CE, 8CK, 8CS, 8CR	S100	-	13	23	35	58	93	130	200	200	400	1180	4160

38.152.□

Filter Element Grades			Air Pressure (Bar)							
Disposable	SS	PTFE	0.1	1	2	4	7	10	16	34
3E, 3K, 3S	-	T2	7.5	15	25	40	63	88	135	275
4E, 4K, 4S, 4L	-	-	15	27	40	65	105	145	225	450
5E, 5K, 5S, 5CE, 5CK, 5CS, 5CR	S2	T20	22	42	62	105	167	230	350	700
6E, 6K, 6S, 6CE, 6CK, 6CS, 6CR	S10	-	27	50	75	122	197	275	425	850
7E, 7K, 7S, 7CE, 7CK, 7CS, 7CR	S25	-	30	52	80	132	210	287	450	900
8E, 8K, 8S, 8CE, 8CK, 8CS, 8CR	S100	-	32	57	87	145	230	325	500	1000

Notes (1) The above flow rates are for air at 20°C. Flow rates for other gases can be derived from relative viscosity data.

(2) Flow rates are generally proportional to pressure drop. If an initial drop of 0.2 bar can be tolerated flow rates can be doubled.