

# Air Flow Rates - 1

## Air flow rates in Nm<sup>3</sup>/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 12.32.7K.

### 12.32.□

Filter Element Grades			Air Pressure (Bar)										
Disposable	SS	PTFE	0.1	1	2	4	7	10	16	100	200	340	700
3E, 3K, 3S	-	T2	0.4	0.8	1.2	2	3.2	4.4	6.5	40	80	135	200
4E, 4K, 4S, 4L	-	-	0.7	1.3	2	3.3	5.3	7.3	11	67	135	225	350
5E, 5K, 5S, 5CE, 5CK, 5CS, 5CR	S2	T20	1.4	2.6	3.9	6.4	10	14	22	130	260	440	760
6E, 6K, 6S, 6CE, 6CK, 6CS, 6CR	S10	-	3.9	7.0	11	18	28	39	60	350	700	1200	2050
7E, 7K, 7S, 7CE, 7CK, 7CS, 7CR	S25	-	5.3	9.5	14	24	38	52	81	480	960	1620	2730
8E, 8K, 8S, 8CE, 8CK, 8CS, 8CR	S100	-	5.9	11	16	27	43	60	92	550	1090	1850	3150

### 12.57.□

Filter Element Grades			Air Pressure (Bar)										
Disposable	SS	PTFE	0.1	1	2	4	7	10	16	100	200	340	700
3E, 3K, 3S	-	T2	0.7	1.3	2	3.3	5.4	7	11.5	69	135	230	390
4E, 4K, 4S, 4L	-	-	1.2	2.3	3.4	5.6	9	12	19	115	225	385	650
5E, 5K, 5S, 5CE, 5CK, 5CS, 5CR	S2	T20	2.5	4.5	6.7	11	18	25	38	225	450	795	1300
6E, 6K, 6S, 6CE, 6CK, 6CS, 6CR	S10	-	5.1	9.3	14	23	37	51	79	470	940	1590	2390
7E, 7K, 7S, 7CE, 7CK, 7CS, 7CR	S25	-	6.1	11	17	28	45	61	95	560	1120	1900	3250
8E, 8K, 8S, 8CE, 8CK, 8CS, 8CR	S100	-	6.8	13	19	31	50	69	106	630	1260	2130	3650

### 25.64.□

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	1.5	2.5	4	7	11	15	24	145	280	490	840
4E, 4K, 4S, 4L	-	-	2.6	4.7	7	12	19	26	40	240	470	820	1390
5E, 5K, 5S, 5CE, 5CK, 5CS, 5CR	S2	T20	4.8	9	13	22	35	48	75	480	880	1540	2600
6E, 6K, 6S, 6CE, 6CK, 6CS, 6CR	S10	-	8.5	16	23	39	62	85	130	780	1560	2730	4700
7E, 7K, 7S, 7CE, 7CK, 7CS, 7CR	S25	-	10	18	27	44	71	97	150	890	1780	3110	5350
8E, 8K, 8S, 8CE, 8CK, 8CS, 8CR	S100	-	11	19	29	48	77	105	165	970	1940	3400	5850

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.