

Air Flow Rates - 3

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 51.230.7K.

51.230.□

Filter Element Grades			Air Pressure (Bar)									
Disposable	SS	PTFE	0.1	1	2	4	7	10	16	100	200	400
3E, 3K, 3S	-	T2	10	20	30	50	81	111	169	1015	1820	3200
4E, 4K, 4S, 4L	-	-	18	33	50	83	135	185	280	1680	2020	5280
5E, 5K, 5S, 5CE, 5CK, 5CS, 5CR	S2	T20	35	65	95	160	260	360	550	3270	5880	10300
6E, 6K, 6S, 6CE, 6CK, 6CS, 6CR	S10	-	65	120	180	300	480	660	1000	6000	10800	18900
7E, 7K, 7S, 7CE, 7CK, 7CS, 7CR	S25	-	75	135	200	340	540	740	1150	6800	12240	21400
8E, 8K, 8S, 8CE, 8CK, 8CS, 8CR	S100	-	80	150	220	370	590	810	1250	7400	13320	23300

51.476.□

Filter Element Grades			Air Pressure (Bar)									
Disposable	SS	PTFE	0.1	1	2	4	7	10	16	100	200	400
3E, 3K, 3S	-	T2	21	40	59	100	120	215	335	2000	3600	6300
4E, 4K, 4S, 4L	-	-	36	66	98	168	260	360	560	3300	5940	10400
5E, 5K, 5S, 5CE, 5CK, 5CS, 5CR	S2	T20	60	110	265	275	440	610	940	5600	10080	17600
6E, 6K, 6S, 6CE, 6CK, 6CS, 6CR	S10	-	80	140	215	355	570	780	1200	7200	12960	22680
7E, 7K, 7S, 7CE, 7CK, 7CS, 7CR	S25	-	85	150	230	380	610	840	1300	7700	13800	24150
8E, 8K, 8S, 8CE, 8CK, 8CS, 8CR	S100	-	90	165	245	410	650	900	1400	8300	1500	26250

63.762.□

Filter Element Grades			Air Pressure (Bar)							
Disposable	SS	PTFE	0.1	1	2	4	7	10	16	34
3E, 3K, 3S	-	T2	42	80	160	200	240	430	670	1300
4E, 4K, 4S, 4L	-	-	72	132	200	330	420	740	1120	2190
5E, 5K, 5S, 5CE, 5CK, 5CS, 5CR	S2	T20	120	220	530	550	880	1220	1880	3700
6E, 6K, 6S, 6CE, 6CK, 6CS, 6CR	S10	-	160	280	430	710	1140	1560	2400	4700
7E, 7K, 7S, 7CE, 7CK, 7CS, 7CR	S25	-	170	300	460	760	1220	1680	2600	5200
8E, 8K, 8S, 8CE, 8CK, 8CS, 8CR	S100	-	180	330	490	810	1300	1800	2800	5500

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.