

Filter Calculations Based On Temperature

Necessary filter calculations to provide Breathing Air
to CGA Grades E and D as well as EN12021

MCH6: 3,5 cfm 1 Filter Cart. Type X152412		
Processing Capacity	Equals (=)	Hours Running Time
50° F	5,040 CF	24 hrs.
68° F	2,772 CF	13 hrs.
80° F	1,800 CF	8.5 hrs.
86° F	1,584 CF	7.5 hrs.
95° F	1,260 CF	6 hrs.
104° F	941 CF	4.5 hrs.

MCH16: 9,0 cfm 1 Filter Cart. Type X302414		
Processing Capacity	Equals (=)	Hours Running Time
50° F	21,000 CF	39 hrs.
68° F	11,550 CF	21.5 hrs.
80° F	7,500 CF	14 hrs.
86° F	6,600 CF	12 hrs.
95° F	5,250 CF	9.5 hrs.
104° F	3,922 CF	7 hrs.

MCH8: 5,0 cfm 1 Filter Cart. Type X302414		
Processing Capacity	Equals (=)	Hours Running Time
50° F	21,000 CF	70 hrs.
68° F	11,550 CF	38.5 hrs.
80° F	7,500 CF	25 hrs.
86° F	6,600 CF	22 hrs.
95° F	5,250 CF	17.5 hrs.
104° F	3,922 CF	13 hrs.

MCH18: 10,5 cfm 1 Filter Cart. Type X302414		
Processing Capacity	Equals (=)	Hours Running Time
50° F	21,000 CF	33 hrs.
68° F	11,550 CF	18.5 hrs.
80° F	7,500 CF	12 hrs.
86° F	6,600 CF	10.5 hrs.
95° F	5,250 CF	8.5 hrs.
104° F	3,922 CF	6 hrs.

MCH11: 7,0 cfm 1 Filter Cart. Type X302414		
Processing Capacity	Equals (=)	Hours Running Time
50° F	21,000 CF	50 hrs.
68° F	11,550 CF	27.5 hrs.
80° F	7,500 CF	18 hrs.
86° F	6,600 CF	15.5 hrs.
95° F	5,250 CF	12.5 hrs.
104° F	3,922 CF	9.5 hrs.

MCH30: 18 cfm 2 Filter Cart. Type X22671 - X22231 or X22241		
Processing Capacity	Equals (=)	Hours Running Time
50° F	136,500 CF	126 hrs.
68° F	75,075 CF	70 hrs.
80° F	48,750 CF	45 hrs.
86° F	42,900 CF	39.5 hrs.
95° F	34,125 CF	31.5 hrs.
104° F	29,496 CF	27 hrs.

MCH13: 7,5 cfm 1 Filter Cart. Type X302414		
Processing Capacity	Equals (=)	Hours Running Time
50° F	21,000 CF	46.5 hrs.
68° F	11,550 CF	25.5 hrs.
80° F	7,500 CF	16.5 hrs.
86° F	6,600 CF	14.5 hrs.
95° F	5,250 CF	11.5 hrs.
104° F	3,922 CF	8.5 hrs.

MCH36: 21 cfm 2 Filter Cart. Type X22671 - X22231 or X22241		
Processing Capacity	Equals (=)	Hours Running Time
50° F	136,500 CF	108 hrs.
68° F	75,075 CF	59.5 hrs.
80° F	48,750 CF	38.5 hrs.
86° F	42,900 CF	34 hrs.
95° F	34,125 CF	27 hrs.
104° F	29,496 CF	23.5 hrs.

*Temperature is referenced to "Inlet Gas Temperature".

**Inlet Gas Temperature refers to the temperature at the inlet of the purification system.