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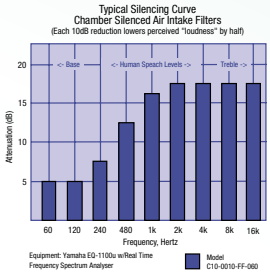
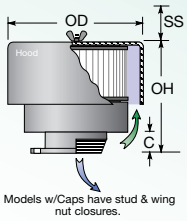
Chamber Silenced Air Intake Filters

Series C10 - Enameled Steel w/Hood • Series C12 - 304 Stainless Steel w/Hood
Series C50 - Enameled Steel w/o Hood • Series C52 - 304 Stainless Steel w/o Hood

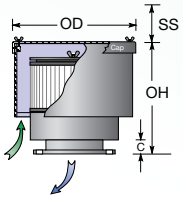
- **Air Flows to 20,000 CFM**
- **C10 & C50 Enameled Steel Construction**
- **C12 & C52 304 Stainless Steel**
- **Optional Access Handles**
- **304SS Throat Safety Cages Std.**
- **Connection Sizes from ½" to 24"**



Series C10 & C12 Air Intake Filters add a sound attenuation chamber to the design of the B10 & B12. Two sound absorption cylinders combine with a single side baffle and a synthetic acoustical pack to reduce undesirable sound escaping from the equipments air inlet. The straight flow path limits unwanted pressure drop.



Models w/Caps have stud & wing nut closures.



Series C10 w/hood, C50 w/o hood, and a C10 with "AF" angle flanged connection selection. Access Handles Standard on Models with OD 12" and greater.

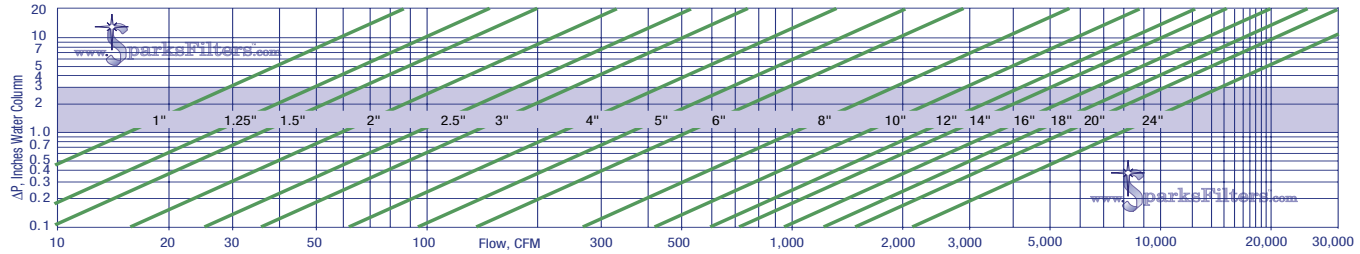
Consult us for use with reciprocating compressors.

C _ _ - 0010 - FF - 060 ***Sparks Filter Catalog Numbers.**

- **Connection Size:** Std. outlets allow for min. ΔP. Smaller connections will reduce flow. Change the last three digits, ie: 6" = 060, 22" = 220, 3 1/2" = 035, etc.
- **Connection Type:** MPT = Male NPT, FF = Std Plate Flange, others available.
- **Model Designation:** See Housing Table.
- **Series Designation:** Enter 2 Digits following the "C" of the model number, see below:
  - C10 for enameled steel w/ weather hood
  - C12 for 304 stainless steel w/weather hood
  - C50 for enameled steel w/top plate only (indoor use)
  - C52 for 304 stainless steel w/top plate only (indoor use).

Housing Model No. *	Typical Flow CFM	Std. Outlet Size	Std. Outlet Type	Cover Style	Approx. Dimens, in. OH	OD	C	Serv. Space	Wgt. lbs.	Select One Filter Element* Economy 10µ	Classic 10µ	High Eff. 4µ	Super 2µ
C _ _ -0003-MT-005	10	½""	M	Hood	10"	6⅝"	2"	5"	6	321-2181K5	321-2081K5	321-2081K7	321-2081K51
C _ _ -0003-MT-007	15	¾""	M	Hood	10"	6⅝"	2"	5"	6	321-2181K5	321-2081K5	321-2081K7	321-2081K51
C _ _ -0003-MT-010	25	1"	M	Hood	10"	6⅝"	2"	5"	6	321-2181K5	321-2081K5	321-2081K7	321-2081K51
C _ _ -0005-MT-012	40	1¼""	M	Hood	10"	6⅝"	2"	5"	6	321-2182K5	321-2082K5	321-2082K7	321-2082K51
C _ _ -0005-MT-015	55	1½""	M	Hood	10"	6⅝"	2"	5"	6	321-2182K5	321-2082K5	321-2082K7	321-2082K51
C _ _ -0006-MT-020	90	2"	M	Hood	14"	6⅝"	2"	8"	10	321-2183K5	321-2083K5	321-2083K7	321-2083K51
C _ _ -0007-MT-030	200	3"	M	Hood	19"	10¾"	3"	11"	45	321-2184K5	321-2084K5	321-2084K7	321-2196K51
C _ _ -0008-MT-040	350	4"	M	Hood	19"	12¾"	3"	11"	60	321-2185K5	321-2085K5	321-2085K7	321-2197K51
C _ _ -0009-FF-050	550	5"	Flg	Hood	29"	16"	4"	11"	75	321-2186K5	321-2086K5	321-2086K7	321-2198K51
C _ _ -0010-FF-060	800	6"	Flg	Hood	29"	16"	4"	16"	80	321-2187K5	321-2087K5	321-2087K7	321-2199K51
C _ _ -0011-FF-080	1500	8"	Flg	Hood	29"	20"	4"	16"	130	321-2188K5	321-2088K5	321-2088K7	321-2200K51
C _ _ -0012-FF-100	2400	10"	Flg	Cap	33"	24"	6"	16"	210	321-2189K5	321-2089K5	321-2089K7	321-2201K51
C _ _ -0013-FF-120	3400	12"	Flg	Cap	43"	26"	6"	21"	340	321-2190K5	321-2090K5	321-2090K7	321-2202K51
C _ _ -0014-FF-140	4100	14"	Flg	Cap	43"	28"	6"	21"	450	321-2191K5	321-2091K5	321-2091K7	321-2203K51
C _ _ -0015-FF-160	5400	16"	Flg	Cap	43"	32"	6"	21"	550	321-2192K5	321-2092K5	321-2092K7	321-2204K51
C _ _ -0016-FF-180	7000	18"	Flg	Cap	46"	36"	6"	25"	750	321-2193K5	321-2093K5	321-2093K7	321-2205K51
C _ _ -0017-FF-200	8500	20"	Flg	Cap	48"	36"	6"	25"	800	321-2194K5	321-2094K5	321-2094K7	321-2206K51
C _ _ -0018-FF-240	12,000	24"	Flg	Cap	48'	44"	6"	25"	900	321-2195K5	321-2095K5	321-2095K7	321-2207K51

ΔP vs. Flow: Series A, B, C, and D



Use the chart above to access the init. ΔP vs. flow for series A, B, C, & D air intakes. Be aware that the maximum practical flow through a filter housing, like other piping, is limited primarily by the cross sectional area of the connection. Compare the connection size shown below with the desired flow. It is prudent to select a connection having a value that is central to the shaded area. While engines and reciprocating compressors can tolerate inlet air restrictions to 20" W.C., lesser blowers or fans may require element service at 5" W.C. While the init ΔP does not increase, the specific filtration resistance of the airborne contaminates in your location ultimately dictate element life. High performance textile elements routinely serve for periods from 3 mos. to 2 yrs., with 1 yr. being common.