

Hoodless Air Intake Filters & Tank Vents

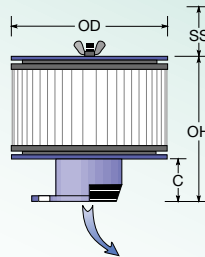
Series B50 - Enameled Carbon Steel • Series B52 - 304 Stainless Steel



- Air Flows to 20,000 CFM
- B50 - Enameled Steel Construction
- B52 - 304SS
- 304SS Throat Safety Cages
- Connection Sizes from 1/2" to 24"



Series B50 & B52 Air Intake Filters are similar to B10 & B12. They simply substitute a top plate for a hood or cap & skirt assy. The hoodless design simplifies visual inspection for indoor or other sheltered locations and saves cost on initial purchase.



These integral safety cages preclude items such as dropped pens, coins, and most other objects from falling downstream into the compressor or blower at time of change

*out of the filter element. It only takes one such event to prove the worth of this design. * Safety cages are not included in Economy Housing Models B70*



Housing Model Number	Typical CFM	Standard Outlet		Approximate Dimensions in Inches				Approx Wgt Lbs.	Element Number
		Size	Type	OH	OD	C	Service Space		
B50-0400-MT-005	12	1/2"	Male NPT	6 1/2"	3 1/2"	2"	4 1/4"	1	321-3394K5
B50-0400-MT-007	18	3/4"	Male NPT	6 1/2"	4"	2"	4 1/4"	1	321-3394K5
B50-0400-MT-010	25	1"	Male NPT	6 1/2"	4"	2"	4 1/4"	1	321-3394K5
LP* B50-0416-MT-005	12	1/2"	Male NPT	4 1/2"	5 3/4"	2"	2 1/4"	1	321-3395K5
LP* B50-0416-MT-007	18	3/4"	Male NPT	4 1/2"	6 1/4"	2"	2 1/4"	1	321-3395K5
LP* B50-0416-MT-010	25	1"	Male NPT	4 1/2"	6 1/4"	2"	2 1/4"	1	321-3395K5
B50-0401-MT-012	40	1 1/4"	Male NPT	6 1/2"	3 3/4"	2"	4 1/4"	1.3	321-3396K5
LP* B50-0417-MT-012	40	1 1/4"	Male NPT	4 1/2"	5 3/4"	2"	2 1/4"	1.3	321-3397K5
B50-0402-MT-015	65	1 1/2"	Male NPT	6 1/2"	5"	2"	4 1/4"	1.3	321-3398K5
LP* B50-0418-MT-015	65	1 1/2"	Male NPT	4 1/2"	7"	2"	2 1/4"	1.3	321-3399K5
B50-0403-MT-020	90	2"	Male NPT	8 1/2"	5 1/2"	2"	6 1/4"	2	321-3400K5
LP* B50-0419-MT-020	90	2"	Male NPT	6 1/8"	7 1/2"	2"	4"	2	321-3401K5
B50-0404-MT-030	200	3"	Male NPT	11 1/2"	7 1/4"	3"	8 1/4"	2	321-3402K5
LP* B50-0420-MT-030	200	3"	Male NPT	8 1/8"	9 3/4"	3"	5"	2	321-3403K5
B50-0405-MT-040	350	4"	Male NPT	11 1/2"	8 3/4"	3"	8 1/4"	10	321-3404K5
LP* B50-0421-MT-040	350	4"	Male NPT	8 1/8"	11 3/4"	3"	5"	10	321-3405K5
B50-0406-MT-050	800	5"	Male NPT	16 1/2"	11 1/4"	4"	12 1/4"	12	321-3406K5
B50-0406-FF-050	800	5"	Plate Flg	16 1/2"	11 1/4"	4"	12 1/4"	12	321-3406K5
LP* B50-0422-MT-050	800	5"	Male NPT	11 1/4"	13 3/4"	3"	8 1/4"	10	321-3407K5
LP* B50-0422-FF-050	800	5"	Plate Flg	11 1/4"	13 3/4"	3"	8 1/4"	10	321-3407K5
B50-0407-MT-060	950	6"	Male NPT	16 1/2"	12 1/2"	4"	12 1/4"	12	321-3408K5
B50-0407-FF-060	950	6"	Plate Flg	16 1/2"	12 1/2"	4"	12 1/4"	12	321-3408K5
LP* B50-0423-MT-060	950	6"	Plate Flg	11 1/4"	15"	3"	8 1/4"	10	321-3409K5
LP* B50-0423-FF-060	950	6"	Plate Flg	11 1/4"	15"	3"	8 1/4"	10	321-3409K5
B50-0408-FF-080	1800	8"	Plate Flg	16 1/2"	15"	4"	12 1/4"	28	321-3410K5
B50-0409-FF-100	3000	10"	Plate Flg	24 1/2"	17"	6"	18 1/2"	40	321-3411K5
B50-0410-FF-120	3500	12"	Plate Flg	24 1/2"	19"	6"	18 1/2"	80	321-3412K5
B50-0411-FF-140	4800	14"	Plate Flg	30 1/2"	20 1/2"	6"	24 1/2"	85	321-3413K5
B50-0412-FF-160	6000	16"	Plate Flg	30 1/2"	22 1/2"	6"	24 1/2"	120	321-3414K5
B50-0413-FF-180	7000	18"	Plate Flg	30 1/2"	25"	6"	24 1/2"	140	321-3415K5
B50-0414-FF-200	10000	20"	Plate Flg	30 1/2"	27 1/2"	6"	24 1/2"	230	321-3416K5
B50-0415-FF-240	13000	24"	Plate Flg	30 1/2"	31 1/2"	6"	24 1/2"	270	321-3417K5

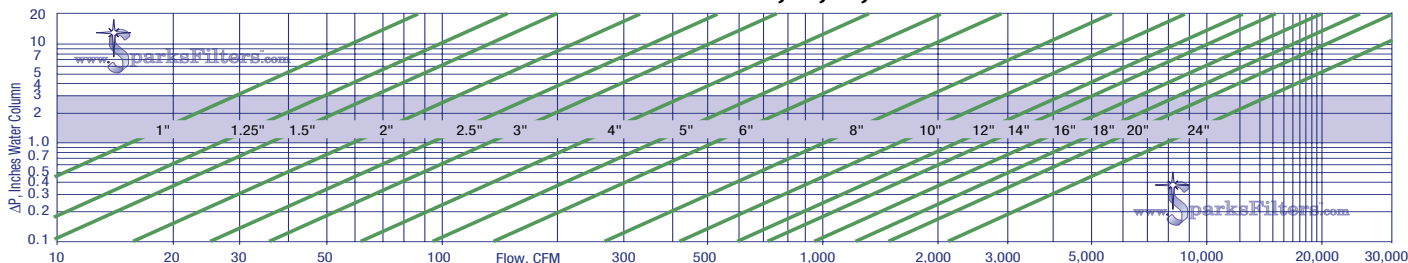
Consult us for use with reciprocating compressors.

LP* denotes our Low Profile style housings.



Sparks™ Hoodless Air Intake Filters are perfect for indoor use where a weather hood is not required. These elements are immediately visible without needing to remove a hood, simplifying routine maintenance inspections. They are also lighter and small units are consequently better suited to avoid vibration damage that is possible with horizontal mounting. ... We can also offer optional internal support assemblies when mounting large filters horizontally. Ask us for details.

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 contaminants 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.