

Stainless Steel Louvered Face Filter Return 700FF Series



Product Information

Models

45° Deflection, 3/4" (19) Blade Spacing **730FF**

45° Deflection, 1/2" (13) Blade Spacing **735FF**

Application

- Well suited to cleanrooms, laboratories and hospital applications requiring frequent cleaning with strong cleaning solutions.
- Intended to be incorporated into a conveniently serviceable primary return air system.
- Designed with easily removable grille for access and cleaning.
- Filter frame allows mounting of return air filter behind face of grille for easy replacement.

Construction

- Complements the Price 700 Series supply and return grilles and registers.
- Precision formed stainless steel blades, borders and mounting frame.
- 45° deflection fixed blades.
- Borders and frames are of all-welded construction with reinforced mitered corners.
- Grille is attached to the filter frame with stainless steel quick-release fasteners to facilitate easy removal and replacement of filters.

Mounting/Finish

Border Style

Sidewall Application - Surface Mount **SM**
T-bar Lay-in **TB**

Blade Orientation

Front blades parallel to Long Dimension **L**

Front blades parallel to Short Dimension **S**

Filter Frame Depth

1" Filter **1**

2" Filter **2**

Finish

Border **#4**

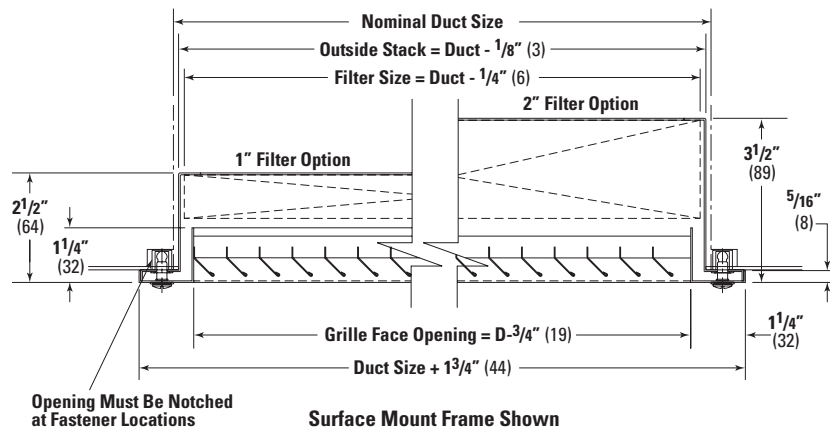
Blades **2B**

Available Sizes

Minimum	Maximum
6" x 4" (152 x 102)	48" x 48" (1219 x 1219)

Grille sizes increase in 1" (25) increments.

730FF



✓ Product Selection Checklist

- 1] Select OutletType by model number (i.e. 730FF)
- 2] Select Unit Size based on desired performance requirements
- 3] Select Border Style (Sidewall Application - Surface Mount or T-bar Lay-in)
- 4] Select Blade Orientation (Long or Short Dimension)
- 5] Select Filter Depth (1" or 2")
- 6] Finish selection by default

Example: 730FF/24 x 12/F/L/2/#4

Stainless Steel Louvered Face Filter Return 700H/700FF Series



Performance Data — Models 730H, 730FF — 3/4" blade spacing

		NC 30										
Core Area Sq. Ft.	Nominal Size	Core Velocity Velocity Pressure Negative SP	200	300	400	500	600	700	800	900	1000	1100
			.002	.006	.010	.016	.022	.031	.040	.050	.062	.075
0.15	7 x 4	CFM	30	45	60	75	90	105	120	135	150	165
	6 x 5	NC	-	-	-	19	24	28	32	35	38	40
0.18	8 x 4 6 x 6	CFM	36	54	72	90	108	126	144	162	180	198
	7 x 5	NC	-	-	-	19	24	28	32	35	38	41
0.22	10 x 4 7 x 6	CFM	44	66	88	110	132	154	176	198	220	242
	8 x 5	NC	-	-	-	20	25	29	33	36	39	41
0.26	12 x 4 8 x 6	CFM	52	78	104	130	156	182	208	234	260	286
	10 x 5	NC	-	-	-	20	25	29	33	36	39	42
0.30	14 x 4	CFM	60	90	120	150	180	210	240	270	300	330
		NC	-	-	15	21	26	30	33	37	40	42
0.34	16 x 4 10 x 6	CFM	68	102	136	170	204	238	272	306	340	374
	12 x 5	NC	-	-	15	21	26	30	34	37	40	43
0.39	18 x 4 12 x 6	CFM	78	117	156	195	234	273	312	351	390	429
	14 x 5 8 x 8	NC	-	-	15	21	26	31	34	37	40	43
0.46	20 x 4 14 x 6	CFM	92	138	184	230	276	322	368	414	460	506
	16 x 5 10 x 8	NC	-	-	16	22	27	31	35	38	41	43
0.52	24 x 4 16 x 6	CFM	104	156	208	260	312	364	416	468	520	572
	18 x 5	NC	-	-	16	22	27	31	35	38	41	44
0.60	18 x 6 10 x 10	CFM	120	180	240	300	360	420	480	540	600	660
	20 x 5 12 x 8	NC	-	-	16	23	28	32	35	39	42	44
0.69	20 x 6 12 x 10	CFM	138	207	276	345	414	483	552	621	690	759
	24 x 5 14 x 8	NC	-	-	17	23	28	32	36	39	42	45
0.81	22 x 6 14 x 10	CFM	162	243	324	405	486	567	648	729	810	891
	16 x 8	NC	-	-	17	23	28	33	36	40	42	45
0.91	16 x 10	CFM	182	273	364	455	546	637	728	819	910	1001
	18 x 8 12 x 12	NC	-	-	18	24	29	33	37	40	43	45
1.07	18 x 10	CFM	214	321	428	535	642	749	856	963	1070	1177
	22 x 8 14 x 12	NC	-	-	18	24	29	33	37	40	43	46
1.18	20 x 10 14 x 14	CFM	236	354	472	590	708	826	944	1062	1180	1298
	24 x 8 16 x 12	NC	-	-	18	25	29	34	37	41	43	46
1.34	22 x 10 16 x 14	CFM	268	402	536	670	804	938	1072	1206	1340	1474
	28 x 8 18 x 12	NC	-	-	19	25	30	34	38	41	44	46
1.60	18 x 14	CFM	320	480	640	800	960	1120	1280	1440	1600	1760
	22 x 12 16 x 16	NC	-	-	19	25	30	35	38	41	44	47
1.80	20 x 14	CFM	360	540	720	900	1080	1260	1440	1620	1800	1980
	24 x 12 18 x 16	NC	-	-	20	26	31	35	39	42	45	47
2.08	24 x 14	CFM	416	624	832	1040	1248	1456	1664	1872	2080	2288
	20 x 16	NC	-	-	20	26	31	35	39	42	45	48
2.45	24 x 16	CFM	490	735	980	1225	1470	1715	1960	2205	2450	2695
	20 x 18	NC	-	-	20	27	32	36	39	43	46	48
2.78	24 x 18	CFM	556	834	1112	1390	1668	1946	2224	2502	2780	3058
		NC	-	-	21	27	32	36	40	43	46	48
3.11	24 x 20	CFM	622	933	1244	1555	1866	2177	2488	2799	3110	3421
		NC	-	-	21	27	32	36	40	43	46	49

CRITICAL ENVIRONMENTS

Performance Notes:

- Negative sp = Negative static pressure in in. w.g.
- Performance data is for grille complete with opposed blade damper in the full open position.
- NC = Noise Criteria (sound pressure level). Based on 10 dB room absorption re 10⁻¹² watts.
- Blanks [—] indicate an NC level below 15.
- Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Inlets and Outlets."

Stainless Steel Louvered Face Return 700H/700FF Series



Performance Data — Models 735H, 735FF — 1/2" blade spacing

Core Area ft ²	Nominal Size	Core Velocity Velocity Pressure Negative sp	NC 20				NC 30				NC 40			
			200	300	400	500	600	700	800	900	1000	1100		
			.002	.006	.010	.016	.022	.031	.040	.050	.062	.075		
			.015	.035	.062	.097	.139	.190	.248	.314	.387	.468		
0.15	7 x 4	cfm	30	45	60	75	90	105	120	135	150	165		
	6 x 5	NC	—	—	—	19	24	28	32	36	39	41		
0.18	8 x 4 6 x 6	cfm	36	54	72	90	108	126	144	162	180	198		
	7 x 5	NC	—	—	—	19	25	29	33	36	39	42		
0.22	10 x 4 7 x 6	cfm	44	66	88	110	132	154	176	198	220	242		
	8 x 5 8 x 5	NC	—	—	—	20	25	30	34	37	40	43		
0.26	12 x 4 8 x 6	cfm	52	78	104	130	156	182	208	234	260	286		
	10 x 5	NC	—	—	—	21	26	31	34	38	41	43		
0.30	14 x 4	cfm	60	90	120	150	180	210	240	270	300	330		
		NC	—	—	15	21	27	31	35	38	41	44		
0.34	16 x 4 10 x 6	cfm	68	102	136	170	204	238	272	306	340	374		
	12 x 5	NC	—	—	16	22	27	32	35	39	42	45		
0.39	18 x 4 12 x 6	cfm	78	117	156	195	234	273	312	351	390	429		
	14 x 5 8 x 8	NC	—	—	16	22	28	32	36	39	42	45		
0.46	20 x 4 14 x 6	cfm	92	138	184	230	276	322	368	414	460	506		
	16 x 5 10 x 8	NC	—	—	17	23	28	33	37	40	43	46		
0.52	24 x 4 16 x 6	cfm	104	156	208	260	312	364	416	468	520	572		
	18 x 5	NC	—	—	17	24	29	33	37	40	43	46		
0.60	18 x 6 10 x 10	cfm	120	180	240	300	360	420	480	540	600	660		
	20 x 5 12 x 8	NC	—	—	18	24	29	34	38	41	44	47		
0.69	20 x 6 12 x 10	cfm	138	207	276	345	414	483	552	621	690	759		
	24 x 5 14 x 8	NC	—	—	18	25	30	34	38	42	45	47		
0.81	22 x 6 14 x 10	cfm	162	243	324	405	486	567	648	729	810	891		
	16 x 8	NC	—	—	19	25	31	35	39	42	45	48		
0.91	16 x 10	cfm	182	273	364	455	546	637	728	819	910	1001		
	18 x 8 12 x 12	NC	—	—	19	26	31	35	39	43	46	48		
1.07	18 x 10	cfm	214	321	428	535	642	749	856	963	1070	1177		
	22 x 8 14 x 12	NC	—	—	20	26	32	36	40	43	46	49		
1.18	20 X 10 14 X 14	cfm	236	354	472	590	708	826	944	1062	1180	1298		
	24 X 8 16 X 12	NC	—	—	20	27	32	36	40	44	47	49		
1.34	22 x 10 16 x 14	cfm	268	402	536	670	804	938	1072	1206	1340	1474		
	18 X 12	NC	—	—	21	27	33	37	41	44	47	50		
1.60	18 x 14	cfm	320	480	640	800	960	1120	1280	1440	1600	1760		
	22 x 12 16 x 16	NC	—	—	22	28	33	38	41	45	48	51		
1.80	20 x 14	cfm	360	540	720	900	1080	1260	1440	1620	1800	1980		
	24 x 12 18 x 16	NC	—	—	22	28	34	38	42	45	48	51		
2.08	24 x 14	cfm	416	624	832	1040	1248	1456	1664	1872	2080	2288		
	20 x 16	NC	—	—	23	29	34	39	42	46	49	52		
2.45	24 x 16	cfm	490	735	980	1225	1470	1715	1960	2205	2450	2695		
	20 x 18	NC	—	15	23	30	35	39	43	46	50	52		
2.78	24 x 18	cfm	556	834	1112	1390	1668	1946	2224	2502	2780	3058		
		NC	—	15	24	30	35	40	44	47	50	53		
3.11	24 x 20	cfm	622	933	1244	1555	1866	2177	2488	2799	3110	3421		
		NC	—	16	24	31	36	40	44	47	50	53		

Performance Notes:

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Return Grilles

700H Series Return Grilles and Registers

730H Return Grille

Furnish and install Price Model 730H stainless steel return grilles of the sizes and capacities indicated on the drawings or outlet schedule.

Grilles shall be 45° deflection fixed louver-type with blades spaced 3/4" (19) on center. The blades shall run parallel to the (long/short) dimension of the grille. The grille shall be attached to the mounting frame by stainless steel 90° quick-release fasteners. The grille border shall have a #4 finish, with the blades having a mill finish.

730HDSS Return Register

Furnish and install Price Model 730HD stainless steel return registers of the sizes and capacities indicated on the drawings or outlet schedule.

Registers shall be 45° deflection fixed louver type with blades spaced 3/4" (19) on center. The blades shall run parallel to the (long/short) dimension of the grille. The integral volume control damper shall be of the opposed blade damper type and shall be constructed of stainless steel. The damper shall be operable from the register face. The register shall be attached to the mounting frame by stainless steel 90° quick-release fasteners.

The register border shall have a #4 finish, with the blades and damper having a mill finish.

735H Return Grille

Furnish and install Price Model 735H stainless steel return grilles of the sizes and capacities indicated on the drawings or outlet schedule.

Grilles shall be 45° deflection fixed louver type with blades spaced 1/2" (13) on center. The blades shall run parallel to the (long/short) dimension of the grille. The grille shall be attached to the mounting frame by stainless steel 90° quick-release fasteners. The grille border shall have a #4 finish, with the blades having a mill finish.

735HDSS Return Register

Furnish and install Price Model 735HD stainless steel return registers of the sizes and capacities indicated on the drawings or outlet schedule.

Registers shall be 45° deflection fixed louver type with blades spaced 1/2" (13) on center. The blades shall run parallel to the (long/short) dimension of the grille. The integral volume control damper shall be of the opposed blade damper type and shall be constructed of stainless steel. The damper shall be operable from the register face. The register shall be attached to the mounting frame by stainless steel 90° quick-release fasteners.

The register border shall have a #4 finish, with the blades and damper having a mill finish.

700FF Series Filter Return Grilles

730FF Filter Return Grille

Furnish and install Price Model 730FF stainless steel filter return grilles of the sizes and capacities indicated on the drawings or outlet schedule.

Grilles shall be 45° deflection fixed louver type with blades spaced 3/4" (19) on center. The blades shall run parallel to the (long/short) dimension of the grille. The grille shall be attached to the filter frame by stainless steel 90° quick-release fasteners. The filter frame shall accept a (1"/2") filter supplied by others. The grille border shall have a #4 finish, with the blades having a mill finish.

735FF Filter Return Grille

Furnish and install Price Model 735FF stainless steel filter return grilles of the sizes and capacities indicated on the drawings or outlet schedule.

Grilles shall be 45° deflection fixed louver type with blades spaced 1/2" (13) on center. The blades shall run parallel to the (long/short) dimension of the grille. The grille shall be attached to the filter frame by stainless steel 90° quick-release fasteners. The filter frame shall accept a (1"/2") filter supplied by others. The grille border shall have a #4 finish, with the blades having a mill finish.