Model A4177

4" (101.6 mm) High Performance Fixed Mullion Louvre

Material:

Material:	6063-T6 Alloy
Nominal Thickness:	Heads: 0.060" (1. 52 mm) Sills: 0.080" (2.03 mm) Jambs & Mullions: 0.125" (3.18 mm)
Nominal Blade Thickness:	0.070" (1.78 mm)
Additional Options (at additional cost):	Birdscreen: 0.5" (12.7 mm) welded stainless steel G304 mesh. Insect screen (in lieu of bird screen), Continuous clip angles for attachment Sheet blank off, Insulated blank off Sill pans, Flange frames, Integrated glazing frames

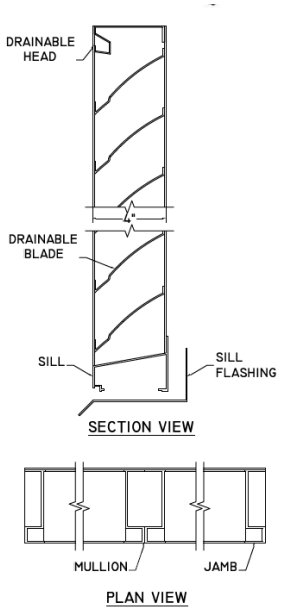


Test Summary:
For a 4 Foot by 4 Foot Unit (1219mm x 1219mm).

Tested with mill finish and no screen

- Free (throat) area = 8.80 ft² (0.82 m²)
- Percent free (throat) area = 55%
- Free (throat) area velocity at the point of beginning water penetration (@ 0.01oz. / ft² of free (throat) area based on a 15 minute interval test) = 1087 FPM (5.52 m/s)
- Intake pressure drop at 0.01 oz. / ft² (3.18 mL/m²) free (throat) area velocity = 0.18 in. H2O (44.7 Pa)

Construction Specialties Inc. certifies that the louvre model A4177 shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified ratings Program. The AMCA Certified Ratings Seal applies to air performance ratings and water penetration ratings.



Discharge Coefficient
Intake Cd = 0.39 (Class 2)
AMCA certifies the coefficient class only

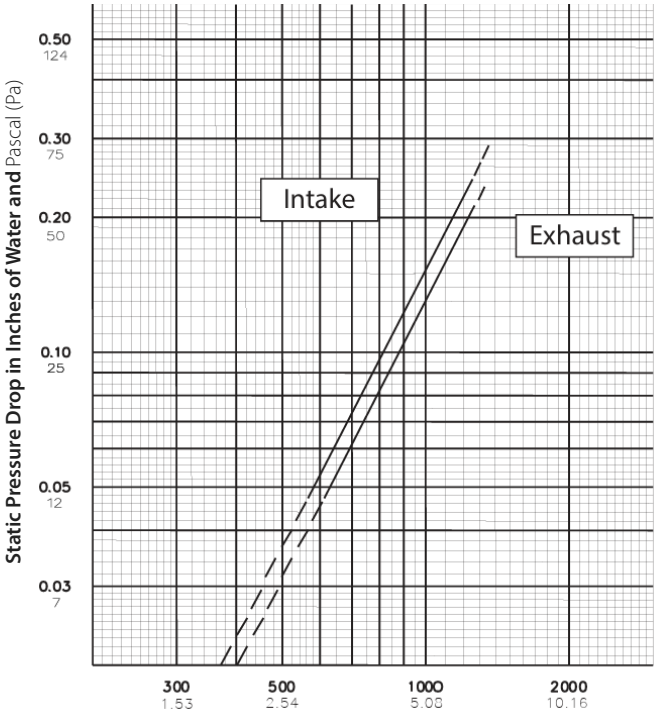
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Model A4177

4" (101.6 mm) High Performance Drainable Fixed Mullion Louvre

Water Penetration Statement

AMCA defines the point of beginning water penetration as the free (throat) area velocity at which the AMCA water test has yielded 0.01 or less ounces of water per square foot of louvre free (throat) area during a 15-minute test period.



Free Air Velocity in Feet per minute and Metre per Second (m/s)

Data corrected to standard air density.
48" x 48" (121.92cm x 121.92cm) louvre tested to figure 5.5.

Free (throat) area Table (Free (throat) area in **sq. feet** and sq. metres)

For additional sizes, please visit:

Width in Inches and Metres

Height in Inches and Metres

	18	**24**	**30**	**36**	**42**	**48**	**54**	**60**
	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52
18	**0.91**	**1.25**	**1.60**	**1.95**	**2.29**	**2.51**	**2.86**	**3.20**
0.46	0.08	0.12	0.15	0.18	0.21	0.23	0.27	0.30
24	**1.30**	**1.80**	**2.29**	**2.79**	**3.28**	**3.59**	**4.09**	**4.59**
0.61	0.12	0.17	0.21	0.26	0.31	0.33	0.38	0.43
30	**1.79**	**2.47**	**3.15**	**3.83**	**4.52**	**4.94**	**5.62**	**6.30**
0.76	0.17	0.23	0.29	0.36	0.42	0.46	0.52	0.59
36	**2.28**	**3.14**	**4.01**	**4.88**	**5.75**	**6.29**	**7.16**	**8.02**
0.91	0.21	0.29	0.37	0.45	0.53	0.58	0.66	0.75
42	**2.76**	**3.81**	**4.86**	**5.91**	**6.97**	**7.62**	**8.67**	**9.73**
1.07	0.26	0.35	0.45	0.55	0.65	0.71	0.81	0.90
48	**3.19**	**4.40**	**5.61**	**6.83**	**8.04**	**8.80**	**10.01**	**11.22**
1.22	0.30	0.41	0.52	0.63	0.75	0.82	0.93	1.04
54	**3.62**	**5.00**	**6.37**	**7.75**	**9.13**	**9.99**	**11.37**	**12.75**
1.37	0.34	0.46	0.59	0.72	0.85	0.93	1.06	1.18
60	**4.05**	**5.59**	**7.14**	**8.68**	**10.22**	**11.19**	**12.73**	**14.28**
1.52	0.38	0.52	0.66	0.81	0.95	1.04	1.18	1.33
66	**4.47**	**6.17**	**7.88**	**9.58**	**11.28**	**12.35**	**14.05**	**15.76**
1.68	0.42	0.57	0.73	0.89	1.05	1.15	1.31	1.46
72	**4.96**	**6.85**	**8.74**	**10.63**	**12.52**	**13.70**	**15.59**	**17.47**
1.83	0.46	0.64	0.81	0.99	1.16	1.27	1.45	1.62
78	**5.45**	**7.53**	**9.60**	**11.68**	**13.75**	**15.05**	**17.13**	**19.20**
1.98	0.51	0.70	0.89	1.08	1.28	1.40	1.59	1.78
84	**5.90**	**8.15**	**10.40**	**12.65**	**14.90**	**16.30**	**18.55**	**20.80**
2.13	0.55	0.76	0.97	1.18	1.38	1.51	1.72	1.93
90	**6.33**	**8.74**	**11.15**	**13.56**	**15.97**	**17.48**	**19.89**	**22.30**
2.29	0.59	0.81	1.04	1.26	1.48	1.62	1.85	2.07
96	**6.76**	**9.34**	**11.91**	**14.49**	**17.06**	**18.67**	**21.25**	**23.82**
2.44	0.63	0.87	1.11	1.35	1.59	1.73	1.97	2.21
102	**7.15**	**9.88**	**12.60**	**15.33**	**18.05**	**19.76**	**22.48**	**25.21**
2.59	0.66	0.92	1.17	1.42	1.68	1.84	2.09	2.34
108	**7.64**	**10.55**	**13.46**	**16.37**	**19.29**	**21.10**	**24.02**	**26.93**
2.74	0.71	0.98	1.25	1.52	1.79	1.96	2.23	2.50
114	**8.13**	**11.23**	**14.32**	**17.42**	**20.52**	**22.45**	**25.55**	**28.65**
2.90	0.76	1.04	1.33	1.62	1.91	2.09	2.37	2.66
120	**8.61**	**11.89**	**15.17**	**18.46**	**21.74**	**23.79**	**27.07**	**30.35**
3.05	0.80	1.10	1.41	1.71	2.02	2.21	2.51	2.82
126	**9.04**	**12.48**	**15.92**	**19.37**	**22.81**	**24.96**	**28.40**	**31.85**
3.20	0.84	1.16	1.48	1.80	2.12	2.32	2.64	2.96
132	**9.47**	**13.08**	**16.69**	**20.29**	**23.90**	**26.16**	**29.76**	**33.37**
3.35	0.88	1.22	1.55	1.89	2.22	2.43	2.77	3.10
138	**9.90**	**13.68**	**17.45**	**21.22**	**25.00**	**27.35**	**31.13**	**34.90**
3.51	0.92	1.27	1.62	1.97	2.32	2.54	2.89	3.24
144	**10.32**	**14.26**	**18.19**	**22.12**	**26.06**	**28.51**	**32.45**	**36.38**
3.66	0.96	1.32	1.69	2.06	2.42	2.65	3.01	3.38
150	**10.81**	**14.93**	**19.05**	**23.17**	**27.29**	**29.86**	**33.98**	**38.10**
3.81	1.00	1.39	1.77	2.15	2.53	2.77	3.16	3.54
156	**11.30**	**15.61**	**19.91**	**24.22**	**28.53**	**31.22**	**35.52**	**39.83**
3.96	1.05	1.45	1.85	2.25	2.65	2.90	3.30	3.70
162	**11.76**	**16.23**	**20.71**	**25.19**	**29.67**	**32.47**	**36.94**	**41.42**
4.11	1.09	1.51	1.92	2.34	2.76	3.02	3.43	3.85
168	**12.18**	**16.82**	**21.46**	**26.10**	**30.74**	**33.64**	**38.28**	**42.92**
4.27	1.13	1.56	1.99	2.42	2.86	3.13	3.56	3.99
174	**12.61**	**17.42**	**22.22**	**27.03**	**31.83**	**34.84**	**39.64**	**44.45**
4.42	1.17	1.62	2.06	2.51	2.96	3.24	3.68	4.13
180	**13.01**	**17.96**	**22.92**	**27.87**	**32.83**	**35.92**	**40.88**	**45.83**
4.57	1.21	1.67	2.13	2.59	3.05	3.34	3.80	4.26
186	**13.49**	**18.63**	**23.77**	**28.92**	**34.06**	**37.27**	**42.41**	**47.55**
4.72	1.25	1.73	2.21	2.69	3.16	3.46	3.94	4.42
192	**13.98**	**19.31**	**24.63**	**29.96**	**35.29**	**38.62**	**43.94**	**49.27**
4.88	1.30	1.79	2.29	2.78	3.28	3.59	4.08	4.58
198	**14.46**	**19.98**	**25.49**	**31.00**	**36.51**	**39.95**	**45.46**	**50.97**
5.03	1.34	1.86	2.37	2.88	3.39	3.71	4.22	4.74

Upper Numerals English Units/Lower Numerals Metric Units

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