



Fabricated Square (FS) Airlocks



FS shown in customer requested specialty color

The MAC fabricated square (FS) airlock is equipped with flexible, wiper blade rotors. These extra flexible blades provide superior handling for stringy or fibrous products.

This design is utilized in applications where little or no pressure differential is present across the inlet or outlet ports and temperature is ambient. The FS airlock is especially suited for use in the wood, grain and agriculture industries.

Standard Specifications

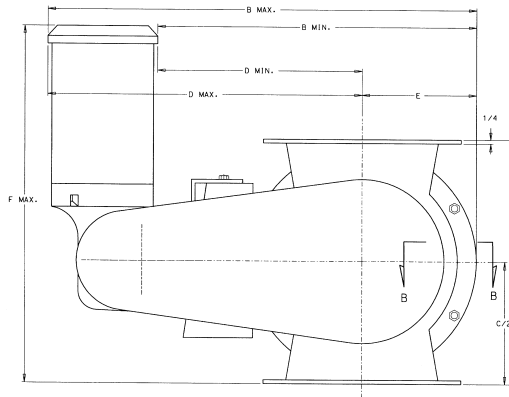
- Fabricated carbon steel housing
- Fabricated carbon steel endplates with 4 bolt flange bearings
- Carbon steel, urethane sandwich rotor
- Carbon steel graphite filled 6 vane rotor
- Urethane flex tips
- Counter clockwise rotation (Clock wise rotation for models FS 30x30 and larger)
- 220° F maximum operating temperature
- Rated for 20" w.c. maximum operating pressure
- MAC white paint standard

With drive:

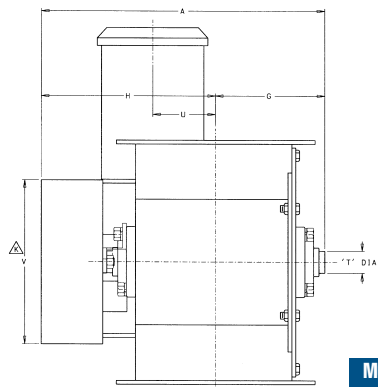
- 230/460/3/60; TEFC
- 18 RPM (24RPM for FS24X24)

Option:

- 304 Stainless steel construction



Dimensions are for an FS with a right angle drive, please consult your MAC Sales Representative for dimensions on a FS airlock with a parallel drive or bare.



Dimensions (IN.)

MODEL	B		D		F		G	H	J	K		
	A	MIN.	MAX.	MIN.	MAX.	MAX.						
FS 10x8	16 ³ / ₈	16 ¹⁵ / ₁₆	26 ⁷ / ₈	13	10 ³ / ₁₆	20	6 ¹ / ₈	26 ⁷ / ₈	6 ¹ / ₄	10 ³ / ₈	8	8
FS 12x10	18 ³ / ₈ -24	19 ³ / ₈	28 ⁷ / ₈	16	11 ⁷ / ₈	21 ³ / ₈	7 ¹ / ₂	28 ³ / ₈	7-12 ⁵ / ₈	11 ³ / ₈	10	10
FS 16x12	20 ⁵ / ₈	23 ³ / ₈	32 ³ / ₄	20	13 ⁷ / ₈	23 ¹ / ₄	9 ¹ / ₂	32 ¹ / ₂	8 ³ / ₄	12 ⁷ / ₈	12	12
FS 20x15	24 ³ / ₈	27 ⁷ / ₁₆	36 ³ / ₄	24	15 ¹³ / ₁₆	25 ¹ / ₄	11 ¹ / ₂	32 ¹ / ₄	10 ¹ / ₄	14 ³ / ₈	15	15
FS 24x24	33 ⁷ / ₈	31 ¹ / ₈	43 ³ / ₄	28	18 ¹ / ₈	30 ¹ / ₄	13 ¹ / ₂	39 ³ / ₄	14 ³ / ₄	19 ¹ / ₈	20	24

Dimensions (IN.)

MODEL											HP	WEIGHT	CAPACITY CFR
	L	M	N	P	Q	R	S	T	U	V			
FS 10x8	11	18 ³ / ₄	-	4 ³ / ₄	3 ¹ / ₄	7 ¹ / ₁₆	8	1 ⁷ / ₁₆	3 ¹ / ₁₆	10 ³ / ₄	1	125	.34
FS 12x10	13	18 ³ / ₄ -22 ¹ / ₄	-	6	1 ¹ / ₂	7 ¹ / ₁₆	8	1 ⁷ / ₁₆	4 ⁵ / ₁₆ -5 ⁷ / ₈	10 ³ / ₄ -16 ¹ / ₄	1-1 ¹ / ₂	160	.62
FS 16x12	16	28 ³ / ₄	4 ⁵ / ₈	4 ¹¹ / ₁₆	1	7 ¹ / ₁₆	12	1 ⁷ / ₁₆	1 ⁵ / ₈	17 ¹ / ₄	1 ¹ / ₂	225	1.32
FS 20x15	19	28 ³ / ₄	6	5 ¹ / ₂	1	9 ¹ / ₁₆	12	1 ¹⁵ / ₁₆	3 ³ / ₈	17 ¹ / ₄	2	325	2.60
FS 24x24	24	28 ³ / ₄	-	-	1	9 ¹ / ₁₆	16	1 ¹⁵ / ₁₆	9 ³ / ₄	17 ¹ / ₄	3	510	6.00

Contact your sales representative for information on units larger than FS24x24

