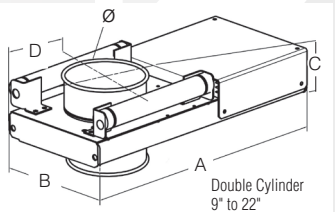
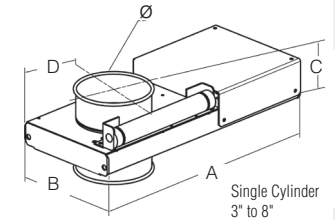
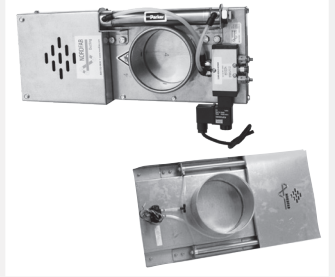


# Blast Gate NFES Automatic

## Ordering Information

- When ordering, specify material, gauge (if non-standard), dimension, end styles and control circuit voltage.
- Automatic energy saving blast gates operated by compressed air cylinders. Cylinders are controlled by electrically-connected solenoid to machines or remote switch. Special sealing device reduces air loss and friction in operation.

- APPLICATION:** Gates are used as energy saving devices for industrial dust extraction where continuous extraction is not always needed and where manual control needs to be eliminated.
- Standard 120V control circuit and 75psi minimum air pressure. Optional 24V DC or AC control circuit available.
- All auto blast gates have cylinders with galvanized or SS body and steel rod. Single cylinder: 3" to 8". Double cylinder 9" to 22". Solenoid has plastic housing.



All cylinders are magnetic.

Ø in.	Galvanized				Std Weight Lbs
	A in.	B in.	C in.	D in.	
3	16.0	6.38	5.50	5.50	9.83
4	16.0	6.30	5.50	5.11	9.90
5	17.5	7.50	5.25	6.00	11.90
6	20.5	8.66	5.25	7.00	15.15
7	22.0	9.44	5.25	7.25	18.85
8	25.5	10.25	5.25	8.25	27.50
9	33.0	17.36	9.00	14.17	37.50
10	33.0	17.36	9.00	14.17	37.50
12	38.5	20.00	9.00	15.50	44.00
14	41.0	23.30	12.00	16.00	50.00
16	45.0	23.30	12.00	17.12	63.00
18	48.5	25.25	12.00	18.00	74.00
20	52.5	27.20	12.00	19.00	83.00
22	57.5	29.50	12.00	20.27	104.00

## QF Material Options

Gauges	Galv Collar		Gauges	SS		
	Size (inches)			Size (inches)		
	Min. Ø	Max. Ø		Min. Ø	Max. Ø	
Standard	22	3	12	22	3	12
	20	14	22	20	14	22
Optional	18	3	22	18	3	22
	16	8	22	16	8	22
	14	8	22			

◇ SS Blast Gates have a production time of 7 days min.

## Flanged Material Options

Gauges	Galv Collar		Gauges	SS		
	Size (inches)			Size (inches)		
	Min. Ø	Max. Ø		Min. Ø	Max. Ø	
Standard	22	3	12	22	3	12
	20	14	22	20	14	22
Optional	18	3	22	18	3	22
	16	8	22	16	8	22
	14	8	22			

### Construction

Galvanized steel gates  
 Body: 14 gauge  
 Cover: 20 gauge  
 Blade: 3" - 8" are 14ga; 9" - 22" are 10ga

### Optional End Styles

Standard QF end can be changed to Raw ID (RI), Raw OD (RO), No Fitting (NF), Flat Flange (FFL), Angle Flange (AFL), or Van Stone (VS).

**Temperature Rating:** Max. temperature limited to 120°F unless solenoids are located outside of housing. Max temperature for the Poly tubing on the outside of the housing is 150°F unless carefully located. Gasket Spring (Poron Cellular Urethand) max. temp. is continuous 158°F, intermittent to 250°.

◇ SS Blast Gates have a production time of **7 business days** minimum. Larger Blast Gates may also take longer than standard lead time.

Additional Product Components and Notes				
Poly tube	0.25" OD x 0.04 wall poly tube, 120 PSI, Grade E5 LIP, Type 1			
Magnetic Cylinder	Gate Size	Stroke	No. of Cylinders	Bore
	3"	1.06 x 3.00	1	1.0625"
	4"	1.06 x 4.00		
	5"	1.06 x 5.00		
	6"	1.06 x 6.00		
	7"	1.06 x 7.00		
	8"	1.06 x 8.00		
	9"	1.06 x 9.00	2	
	10"	1.06 x 10.00		
	12"	1.06 x 12.00		
	14"	1.06 x 14.00		
	16"	1.06 x 16.00		
18"	1.06 x 18.00			
20"	1.06 x 20.00			
22"	1.06 x 22.00			
Crimped round body 304SS tube only. End caps aluminum (non-repairable). <ul style="list-style-type: none"> <li>Ports 0.125" NPT standard</li> <li>Piston rod diameter 0.312", material 304SS only</li> <li>Single acting end</li> <li>Standard fluid: filtered air</li> <li>Operating medium: pneumatic, 250 PSI max. (normal operating pressure 80 PSI min.)</li> </ul>				
Solenoid Options	<ul style="list-style-type: none"> <li>Single Solenoid, 2 Position, 110VAC, 2.5 watts, 1/8" NPT; IP65 Rated, RoHS, CE</li> <li>Single Solenoid, 2 Position, 24VDC, 2.5 watts, 1/8" NPT; IP65 Rated, RoHS, CE</li> <li>Single Solenoid, 2 Position, 24VAC, 2.5 watts, 1/8" NPT; IP65 Rated, RoHS, CE</li> </ul>			
Coil Options	<ul style="list-style-type: none"> <li>24VDC</li> <li>24VAC / 12VDC</li> <li>110VAC</li> </ul>			

