



## SIMPLESOX IN STOCK AT AIR PRODUCTS!

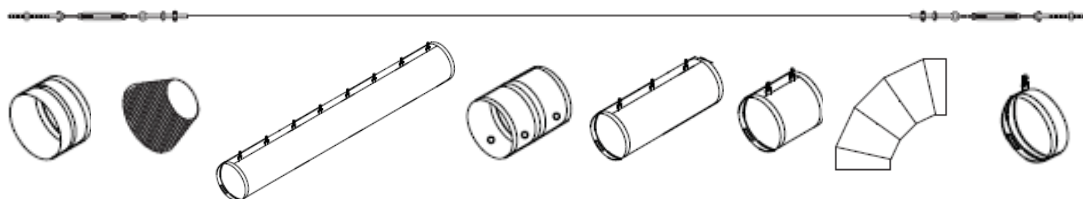
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# What Is A simpleSOX™ System

A SimpleSox™ System is an adjustable fabric air dispersion system assembled with pre-made components readily available. The versatility of a SimpleSox™ System is unmatched as you can easily adjust both the volume and direction of air, as well as the location of where air will be dispersed, both during and after installation.

A SimpleSox™ System consists of up to eight standard parts (see drawings below) available in five diameters (12", 16", 20", 24" and 28") to deliver up to 6,000 CFM per run. Each system has standard and optional components to meet your airflow and layout needs.

SimpleSox™ Systems are configurable up to 14 airflow volumes and a total of 63 combinations considering orifice size, orientation, and the number of orifices activated.



(At top, cable assembly kit. From left to right— 1' Inlet, Adjustable Flow Device, 15' Section, 2' Adjustable Air Outlet, 5' Section, 1.5' Section, 90 Degree Elbow, 0.5' End Cap)

SimpleSox™ Systems are intended for simple, open ceiling applications using straight runs with or without 90 degree elbows. They can be used as an alternative for un-insulated metal duct and diffuser systems in traditional heating and ventilating applications, including some conditioned environments. Typical applications are light industrial and retail, but can include

## Throw Distances

Velocity		150 FPM		
Diameter	AAO Setting	Low	Med	High
	12"		18'	22'
16"		22'	26'	31'
20"		28'	34'	40'
24"		31'	37'	44'
28"		34'	41'	49'

Velocity		100 FPM		
Diameter	AAO Setting	Low	Med	High
	12"		27'	34'
16"		32'	40'	46'
20"		43'	52'	59'
24"		46'	57'	66'
28"		52'	63'	74'

CFM	Diameter
Less than 1000	12"
1001-2000	16"
2001-3000	20"
3001-4400	24"
4401-6000	28"

SimpleSox duct size and orifice selections can be determined using the charts above and at left. The chart below shows installation time which is significantly less than your typical steel duct.

Velocity		50 FPM		
Diameter	AAO Setting	Low	Med	High
	12"		54'	65'
16"		67'	80'	93'
20"		85'	103'	120'
24"		94'	114'	132'
28"		103'	125'	147'

NOTE: Distances are estimated and based on calculated theoretical throw values.

AAO Setting above assume:  
Low = 2 small orifices/side  
Medium = 2 med orifices/side  
High = 2 large orifices/side

Values based on 0.5" w.g. inlet

Total Length	Install Hours
25 ft.	2.5
50 ft.	3
75 ft.	3.5
100 ft.	4
<b>Note: For elbow, add 2.5 hours.</b>	

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