

Most DuctSox systems are relatively simple to specify. Sheet metal duct layouts are very similar to a DuctSox layout since the factory prepares the vent sizing and orientation after the job is awarded. There are only a few variables that need to be specified by the designer for a DuctSox system:

Inlet Diameter (in)	Maximum CFM		
	1600 FPM Straight	1400 FPM Fittings	1000 FPM Low Noise
8	559	489	349
10	873	764	545
12	1,257	1,100	785
14	1,710	1,497	1,069
16	2,234	1,955	1,396
18	2,827	2,474	1,767
20	3,491	3,054	2,182
22	4,224	3,696	2,640
24	5,027	4,398	3,142
26	5,899	5,162	3,687
28	6,842	5,986	4,276
30	7,854	6,872	4,909
32	8,936	7,819	5,585
34	10,088	8,827	6,305
36	11,310	9,896	7,069
38	12,601	11,026	7,876
40	13,963	12,217	8,727
42	15,394	13,470	9,621
44	16,895	14,783	10,559
46	18,466	16,157	11,541
48	20,106	17,593	12,566
50	21,817	19,090	13,635
52	23,597	20,647	14,748
54	25,447	22,266	15,904
56	27,367	23,946	17,104
58	29,356	25,687	18,348
60	31,416	27,489	19,635

*larger diameters available

1. FABRIC TYPE

DuctSox fabrics fall into two primary categories: porous and non-porous. Porous fabrics are recommended wherever humidity is a concern.

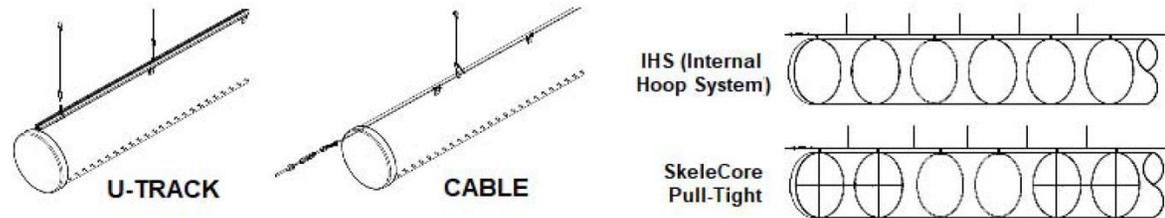
- Verona** is the standard porous fabric and is used on the majority of DuctSox jobs, as it is an all-purpose fabric and it costs about the same as the standard non-porous fabric, **Duratex**.
- Sedona-XM** is similar to Verona but has an anti-microbial agent chemically bonded to the fabric.
- Tuftex** is a non-porous fabric that is a much thicker and heavier duty version of Duratex.
- Microbe-X** and **Rx** are high-porosity anti-microbial fabrics and are used in critical environments and food production areas.
- Stat-X** is an anti-static fabric used in electrically-sensitive environments.
- Chemsox** is a non-porous fabric used in acidic/caustic environments.
- Datasox** is specifically designed for data centers
- UFsox** is for underfloor applications

2. DIAMETER

Use the table to the left to select your DuctSox diameter. If you have only straight runs (no branches or elbows) use the CFM in the **Straight** column. If you have DuctSox elbows and /or branches, use the CFM in the **Fittings** column. If the job is noise sensitive, use the CFM in the **Low Noise** column.

3. HANGING TYPE

DuctSox offers multiple hanging options but the two most common are **U-Track** and **Cable** support. The Cable support is a tension cable that is anchored into the wall or steel drop, while the U-Track support is suspended from the structure above with support cables. There are also multiple internal support structures, including **IHS**, **SkeleCore Pull-Tight**, and **SkeleCore FTS** to give the DuctSox an inflated appearance, even when the AHU is off.



4. COLOR

Most DuctSox are available in the 7 standard colors below. Custom colors and printing are also available.



The guide above is for simple, straightforward DuctSox systems. There are also **half-round** and **quarter-round** DuctSox available. If you have a more complex system or question, please contact an engineer at DelRen HVAC (engineering@delren.com)