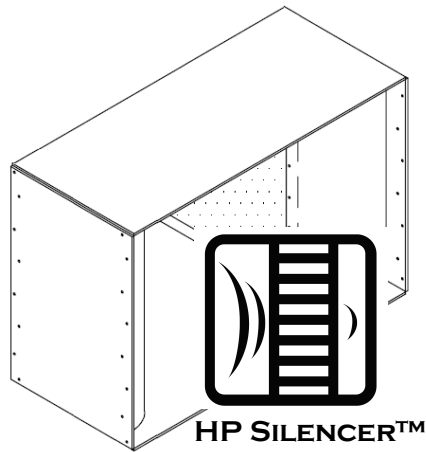




Model HPS - High Performance Silencer™ for Air Handlers

The HPS is the first silencer specifically designed for use in air handlers. The model HPS offers excellent low frequency acoustic performance in only a 20" footprint. The module is bidirectional, offering excellent sound insertion loss both upstream and downstream of the fan. The silencer is also designed to minimize flow noise and this noise is negligible when used in YORK® Air Handlers



Galvanized (G90) or Stainless steel (SS304 and SS316)

Standard fiberglass fill or no media (packless)

Standard fiberglass fill media is also available with optional poly-film lining that fully encapsulates the fiberglass media or fiberglass cloth lining.

SOUND INSERTION LOSS (dB)								
HPS Model	Length (inches)	Static Pressure Drop (iwg)*	Octave Band Center Frequency (Hz)					
			63	125	250	500	1000	2000
Standard Fiberglass fill	20	0.19	3	7	17	19	15	12
Poly-Film lined	20	0.19	3	5	14	16	10	7
Fiberglass Cloth lined	20	0.19	3	7	17	19	15	12
Packless (no media)	20	0.19	3	4	12	12	8	6

*APD based on 500FPM face velocity

Insertion loss is tested in accordance with AHRI Standard 260 (2017), *Sound Rating of Ducted Air Moving and Conditioning Equipment*.

Silencers intended for in-duct applications are normally tested according to ASTM Standard E477. To achieve reproducibility between test laboratories this standard specifies ideal mounting conditions that do not exist in air-handlers. Structural and air-borne flanking paths exist in air-handlers and the actual sound insertion loss can be much less than the published ASTM E477 Dynamic Insertion Loss (DIL) ratings. For this reason Johnson Controls tests and rates the model YHPS in actual AHU cabinets according to AHRI Standard 260 with actual flow.

Acoustic media is compliant with the following:

Specifications	ASTM E 84	CAN/ULC S102
	NEPA 90A and 90B	UL 723
Performance	Max Flame Spread 25	
	Max Smoke Developed Index 50	



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