

# HIGH FLOW STEEL MUFFLER

**HFSM-SERIES**

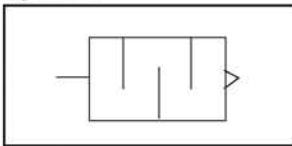


HFSM-Series steel mufflers utilize a 50 mesh, self-cleaning STAINLESS STEEL SCREEN in a tough steel shell to withstand shock and continuous heavy duty use in all applications.

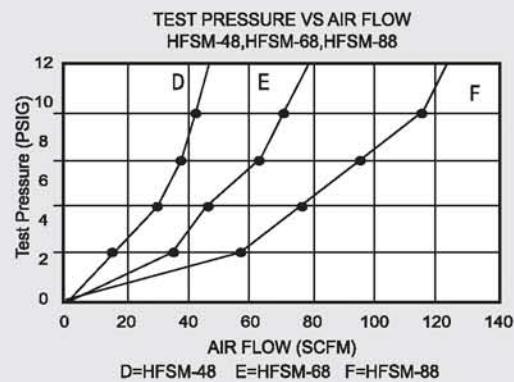
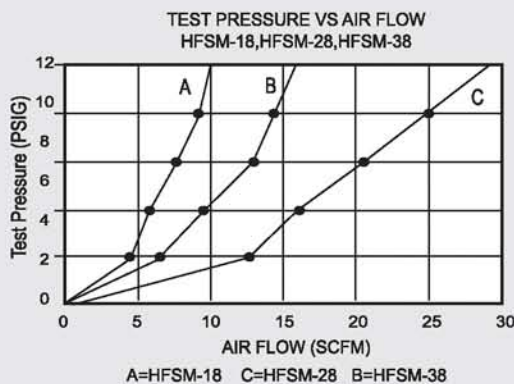
Designed with evenly distributed small holes around the steel shell, exhaust air quietly disperses over a 360 degree pattern without restricting much air flow. Their SLIM profile allows them to be installed anywhere space is limited. Installation directly to the exhaust ports of pneumatic valves or closely spaced manifold ports is possible without interference with other ports.

Unit should be mounted in a protective position free from excessive vibration. Use wrench on hex head to tighten unit to the exhaust ports of air-operated equipment.

## Symbol



## FLOW CHARACTERISTICS - HIGH FLOW STEEL MUFFLER



\*All tests are performed by Consolidated Laboratories, Inc.

## SOUND CHARACTERISTICS - STEEL MUFFLER

BACK PRESSURE (PSIG)	HFSM-18		HFSM-28		HFSM-38		HFSM-48		HFSM-68		HFSM-88	
	FLOW (SCFM)	db	FLOW (SCFM)	db	FLOW (SCFM)	db	FLOW (SCFM)	db	FLOW (SCFM)	db	FLOW (SCFM)	db
2	4.25	73.0	5.97	70.0	12.36	71.5	18.12	70.0	34.11	82.0	55.75	85.5
4	5.86	78.0	9.47	76.5	15.79	77.0	30.45	74.5	43.37	84.5	75.57	86.0
6	7.40	81.5	12.10	80.0	20.17	80.5	35.61	77.0	62.08	84.5	97.69	86.0
8	8.70	83.5	14.20	82.0	24.86	83.5	42.26	78.0	70.85	85.5	115.59	86.5
10	10.10	86.5	16.00	83.5	28.51	86.0	47.95	80.0	80.61	88.0	127.00	85.5

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**HOW TO ORDER**

**HFSM** —   —

High Flow Steel Muffler Connection (NPT) None = NPT (Inch)  
 18 = 1/8", 28 = 1/4" P=BSPT (Metric)  
 38 = 3/8", 48 = 1/2"  
 68 = 3/4", 88 = 1"  
 128=1-1/4", 148=1-1/2"  
 200=2"

**SPECIFICATIONS**

ITEM	MODEL	HFSM-18	HFSM-28	HFSM-38	HFSM-48	HFSM-68	HFSM-88	HFSM-128	HFSM-148	HFSM-200
CONNECTION	NPTM	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
OVERALL LENGTH	IN.	1-3/8"	1-3/4"	2-1/4"	2-3/4"	3-1/4"	3-7/8"	4-1/2"	5"	5-5/8"
HEX	IN.	7/16"	9/16"	11/16"	7/8"	1-1/16"	1-5/16"	1-11/16"	2"	2-3/8"
MATERIAL	BODY	STEEL (ZINC PLATED)								
	ELEMENT	50 MESH STAINLESS STEEL SCREEN								
MAX. OPERATING PRESSURE		300 PSI (21.1 kg/cm <sup>2</sup> )								
OPERATING TEMPERATURE		35~ 160°F (1.6~ 70°C)								
WEIGHT (APPROX.)	OZ.	0.25	0.5	0.9	1.55	2.25	4.2	11.7	17.3	25.2
UNIT PACK	EA.	10	10	5	5	1	1	1	1	1

**HOW TO ORDER**

**FHFSM** —

Female High Flow Steel Muffler Connection (NPT)  
 18 = 1/8", 28 = 1/4"  
 38 = 3/8", 48 = 1/2"

**SPECIFICATIONS**

ITEM	MODEL	FHFSM-18	FHFSM-28	FHFSM-38	FHFSM-48
CONNECTION	NPTF	1/8"	1/4"	3/8"	1/2"
OVERALL LENGTH	IN.	1-45/64"	2-15/64"	2-23/32"	3-7/32"
HEX	IN.	9/16"	11/16"	7/8"	1-1/16"
MATERIAL	BODY	STEEL (ZINC PLATED)			
	ELEMENT	50 MESH STAINLESS STEEL SCREEN			
MAX. OPERATING PRESSURE		300 PSI (21.1 kg/cm <sup>2</sup> )			
OPERATING TEMPERATURE		35~ 160°F (1.6~ 70°C)			
WEIGHT (APPROX.)	OZ.	0.80	1.55	2.65	4.60
UNIT PACK	EA.	10	10	5	5

**HOW TO ORDER**

**HFSS** —

High Flow Stainless Steel Muffler Connection (NPT)  
 18 = 1/8", 28 = 1/4"  
 38 = 3/8", 48 = 1/2"  
 68 = 3/4", 88 = 1"

**SPECIFICATIONS**

ITEM	MODEL	HFSS-18	HFSS-28	HFSS-38	HFSS-48	HFSS-68	HFSS-88
CONNECTION	NPTM	1/8"	1/4"	3/8"	1/2"	3/4"	1"
OVERALL LENGTH	IN.	1-3/8"	1-21/32"	2-13/64"	2-45/64"	3-13/44"	3-3/4"
HEX	IN.	7/16"	9/16"	11/16"	7/8"	1-1/16"	1-5/16"
MATERIAL	BODY	314 GRADE STAINLESS STEEL					
	ELEMENT	50 MESH STAINLESS STEEL SCREEN					
MAX. OPERATING PRESSURE		300 PSI (21.1 kg/cm <sup>2</sup> )					
OPERATING TEMPERATURE		35~ 160°F (1.6~ 70°C)					
WEIGHT (APPROX.)	OZ.	0.32	0.72	1.20	2.40	4.10	7.00
UNIT PACK	EA.	10	10	10	5	1	1