

# HIGH FLOW STEEL MUFFLER

HFSM - SERIES

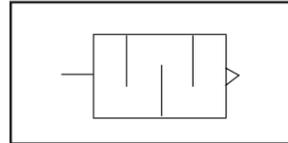


HFSM-Series steel mufflers utilize a 50 mesh, self-cleaning STAINLESS STEEL SCREEN in a tough steel shell to withstand shock and continuous heavy duty use in all applications.

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

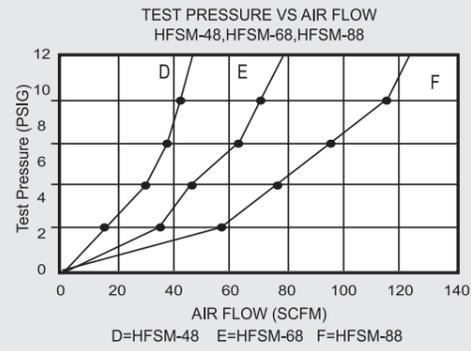
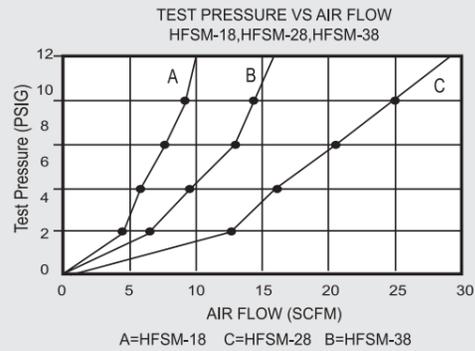


### HOW TO ORDER

**HFSM** —   — **PT**

High Flow Steel Muffler  
 Connection (PT)  
 18=1/8", 28=1/4"  
 38=3/8", 48=1/2"  
 68=3/4", 88=1"  
 128=1-1/4", 148=1-1/2"  
 200=2"

## 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										
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

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

# HIGH FLOW STAINLESS STEEL MUFFLER

HFSS - SERIES

## SPECIFICATIONS

	PT	A	B	C	D	E	(g)
HFSM-18	1/8"	35.5	24.0	11.0	11.0	6.0	10.0
HFSM-28	1/4"	44.0	28.5	14.3	14.2	8.5	17.0
HFSM-38	3/8"	56.5	37.5	17.5	17.5	11.5	35.0
HFSM-48	1/2"	69.0	45.5	22.2	22.0	14.5	62.0
HFSM-68	3/4"	82.0	58.0	27.0	26.7	19.4	110.0
HFSM-88	1"	98.5	66.0	33.3	33.3	25.0	195.0
HFSM-128	1-1/4"	114.5	81.0	44.5	42.5	31.7	325.0
HFSM-148	1-1/2"	124.7	89.3	50.0	50.0	28.0	445.0
HFSM-200	2"	141.0	102.5	59.8	59.8	46.3	660.0

ITEM	MODEL	HFSM-18	HFSM-28	HFSM-38	HFSM-48	HFSM-68	HFSM-88	HFSM-128	HFSM-148	HFSM-200
CONNECTION	PT	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 kgf/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

## SPECIFICATIONS

	PT	A	B	C	D	E	(g)
HFSS-18	1/8"	35.5	24.0	11.0	11.0	6.0	10.0
HFSS-28	1/4"	44.0	28.5	14.0	14.2	8.5	18.0
HFSS-38	3/8"	56.5	37.5	19.0	17.5	11.5	38.0
HFSS-48	1/2"	69.0	45.5	22.0	22.0	14.5	63.0
HFSS-68	3/4"	82.0	58.0	27.0	26.7	19.4	114.0
HFSS-88	1"	98.5	66.0	35.0	33.3	25.0	196.0

ITEM	MODEL	HFSS-18	HFSS-28	HFSS-38	HFSS-48	HFSS-68	HFSS-88
CONNECTION	PT	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	304 GRADE STAINLESS STEEL					
	ELEMENT	50 MESH STAINLESS STEEL SCREEN					
MAX. OPERATING PRESSURE		300 psi (21 kgf/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



### HOW TO ORDER

**HFSS** —   — **PT**

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