

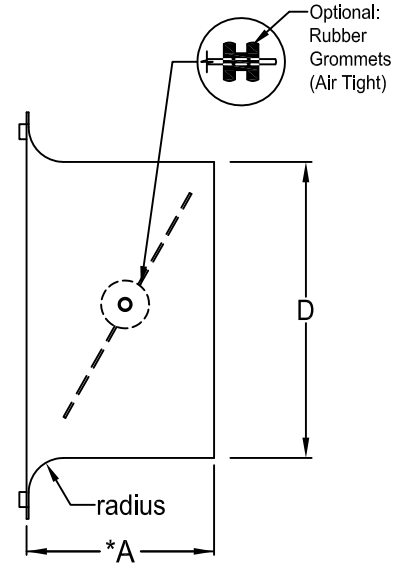
STICKTITE BELLMOUTH

SPECIFICATIONS:

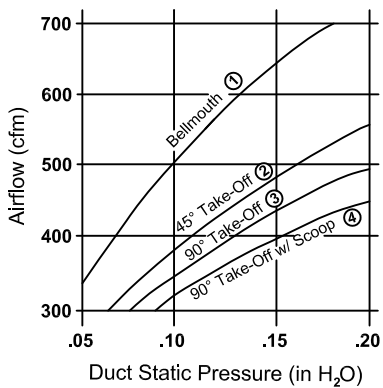
- A. Contractor shall provide United Energetech Bellmouth take-offs at all branch duct locations
- B. Bellmouth fitting shall be Model BM without damper or Model BMD with damper
- C. Bellmouth shall be constructed of galvanized steel. Bellmouths shall include an air-tight volera gasket to ensure a tight fitting with minimal leakage. Pre-drilled holes shall be provided for quick mounting. Bellmouth fitting shall be constructed utilizing automated machinery to ensure consistent sizing.
- D. Standard damper hardware to be constructed of 26 gauge galvanized material with quadrant damper.

OPTIONS:

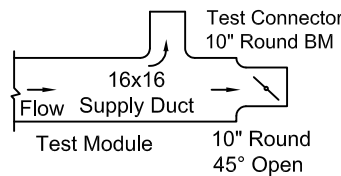
- Rubber Grommets
- ____" Stand-off hand Quadrant (for insulated ducts)



PERFORMANCE

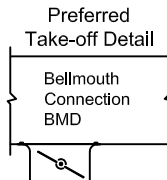


- ① — 8" Bell Mouth
- ② 45° Take-off Duct Opening
6"x13³/₄" : 3" Duct Connection
- ③ Straight 8" 90° Take-off
- ④ Straight 8" 90° Take-off
w/ Air Scoop



Typical Duct Take-off

NOTE: Alternate fittings to be used when duct height does not permit the use of the full size bellmouth



*A dimension is approx.

Available Sizes		
ØD (in.)	radius (in.)	*A
3	1/2	2-7/8"
4	5/8	2-7/8"
5	3/4	2-7/8"
6	7/8	2-7/8"
7	1	2-7/8"
8	1	2-7/8"
9	1	2-7/8"
10	1	2-7/8"
12	1	2-7/8"
14	1	2-7/8"
16	1	2-7/8"

Bellmouth Duct Sizing Chart Low/Medium Pressure System

Round Duct Size	Max CFM @ 800FPM	Max CFM @ 1400FPM
	CFM Range	CFM Range
Ø5"	70-125	140-200
Ø6"	125-150	200-280
Ø7"	150-225	280-380
Ø8"	225-300	380-500
Ø9"	300-400	500-600
Ø10"	400-700	600-800
Ø12"	700-1000	800-1100
Ø14"	1000-1500	1100-1600
Ø16"	1500-2000	1600-2200

Round Duct Size	Hole Size	Minimum Duct Height	Loss C
Ø5"	6"	9"	.03
Ø6"	7 ¹ / ₄ "	10"	.03
Ø7"	8 ¹ / ₄ "	11"	.03
Ø8"	9"	12"	.04
Ø9"	10 ¹ / ₂ "	13"	.06
Ø10"	11 ¹ / ₂ "	14"	.07
Ø12"	13 ¹ / ₂ "	16"	.10
Ø14"	15 ¹ / ₂ "	18"	.13
Ø16"	17"	20"	.17

C=Loss Coefficient

Consult Factory For Larger Sizes

Includes Stick on Gaskets & Pre-drilled Mounting Holes.



Due to continuing research, United Energetech reserves the right to change specifications without notice.

Job Name:	<input type="checkbox"/> MODEL BM (No Damper)		
Location:	<input type="checkbox"/> MODEL BMD (With Damper)		
Architect:	DRAWN BY: MHM	DATE: 12-1-10	REV. DATE:
Engineer:	REV. NO.	APPROVED BY: BGT	DWG. NO.:
Contractor:			J-8