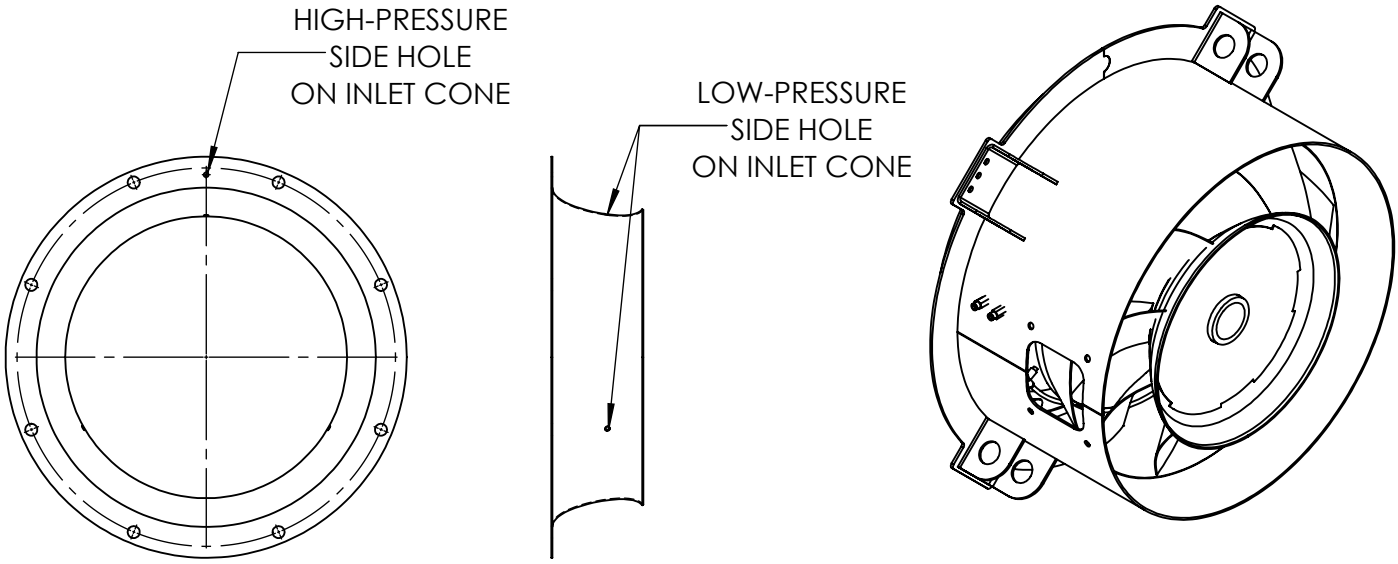
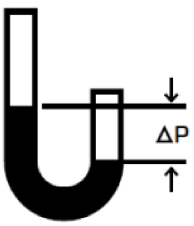
PENN BARRY™

DATE:
JOB:
PROJECT:
COMPANY:
SALES PERSON:
TAG:

MXI-ACCESSORY
INLET PIEZOMETRIC RING



DIFFERENCE IN THE CONE SURFACE PRESSURE AND FAN INLET PRESSURE (△p) CAN BE CORRELATED TO THE VOLUMETRIC AIR FLOW RATE (Q) WITH WHICH FAN IS MOVING, USING EQUATION SHOWN BELOW AND CAN BE ANALYZED TO READ OUT THE REAL TIME FAN PERFORMANCE ACCURATE TO ± 5 %.



$Q = K^* \sqrt{(\Delta p)}$
Q = VOLUMETRIC FLOW RATE (CFM)
Δp= DIFFERENTIAL PRESSURE (inWC)
K = FAN CONSTANT, AS NOTED IN TABLE

Fan Size	K
122	2512
135	3336
150	4286
165	5236
182	6313
200	7453
222	8847
245	10304
270	11887
300	13787
330	15688
365	17905
402	20248
445	22972
490	25823
542	29117
600	32791