

Smartcone Vapor Applications 4-400 inches WC

	I.d.	Cone O.d.	Arc 1	Arc 2	Arc 3
1 inch	0.8150	N/A	0.652	0.709	0.758
Beta Ratio	N/A		0.6000	0.4932	0.3674
	Coefficient of Discharge		TBD	TBD	TBD
2 inch	1.9765	1.360	1.560	1.679	1.800
Beta Ratio	0.73		0.6140	0.5276	0.4131
	Coefficient of Discharge		0.9184	0.9414	0.9813
3 inch	2.3250	1.617	1.840	2.001	2.139
Beta Ratio	0.72		0.6113	0.5092	0.3919
	Coefficient of Discharge		0.9062	0.9174	0.8778
4 inch	3.6170	2.538	2.901	3.155	3.237
Beta Ratio	0.71		0.5973	0.4890	0.4462
	Coefficient of Discharge		0.9096	0.9534	0.9434

$$\beta = \sqrt{1 - \frac{d^2}{D^2}}$$

d = Cone Diameter, D=Meter Inside Diameter (Inches-US, Millimeters-Metric)

