

ED100-300 Series

EDUCTORS

The Becker ED100-300 series eductors are designed for use with Becker high flow, low pressure, regenerative blowers to provide a convenient means of conveying lightweight scrap materials, such as plastic, textiles, or paper.

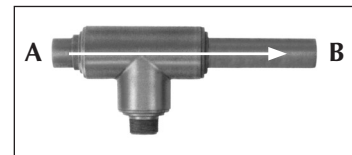
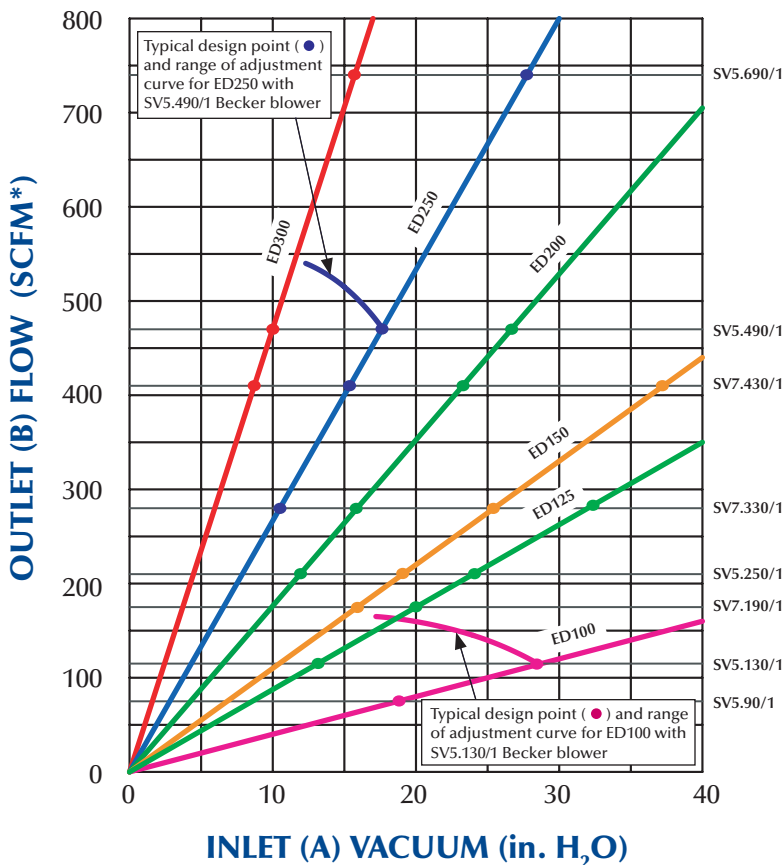
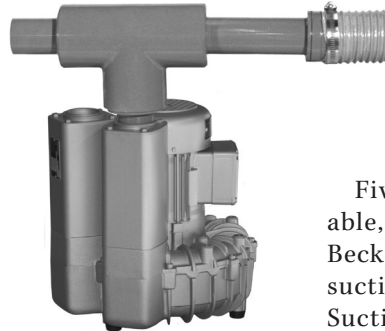
The ED series eductors use the blower discharge air to generate high airflow through a venturi, which in turn, generates a vacuum flow that provides the suction necessary to pick the product up. The high discharge air flow then carries the product to a remote location for disposal, or packaging.

These Eductors are an inexpensive alternative to operating venturis that require high pressure compressed air from a plant air compressor.

Cost of the eductor and blower can often be justified on the savings in energy consumption alone.

With Becker ED Eductors, there is never a risk of product being carried over into the blower. A smooth, wide open bore minimizes places where product can be caught, causing blockage to the line.

Five ED Eductor models are available, which, when used with various Becker blowers, provide a wide range of suction pressures and discharge flows. Suction pressures of between 6 and 35 inches of water, and flows between 100 and 730 SCFM are available. Custom sizes and blower arrangements are available; contact the factory.



Range of Adjustment:

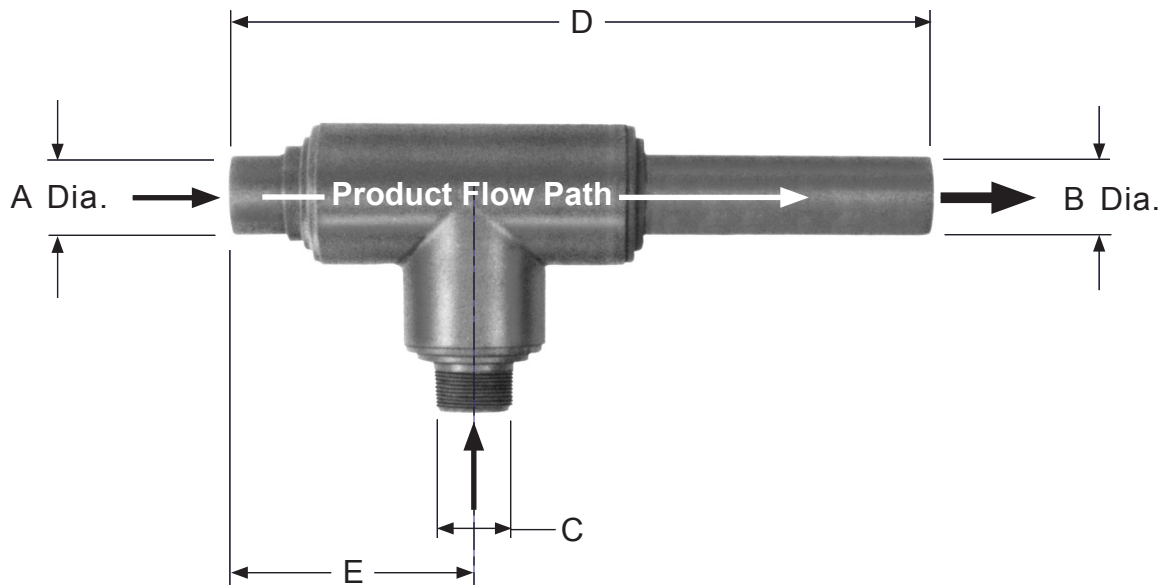
Eductor adjustments give a 50-70 SCFM maximum increase in outlet (B) flow with a 60-80% maximum decrease in inlet (A) vacuum level. Performance may vary somewhat, due to motive pressure level and eductor settings. These figures should be used as a guideline only. Contact the factory for application assistance. Other eductor/blower combinations are possible.

* @ 29.92" Hg Bar. Pr.; 68°F; 36% R.H.; 0.075#/ft³; with 30 ft. of hose

TECHNICAL DATA

Dimensional Data	ED100	ED125	ED150	ED200	ED250	ED300
	(Inches)					
A (Hose)	1¼	1½	2	2½	3	3½
A (PVC Pipe)	1	1¼	1½	2	2½	3
B (Hose or PVC Pipe)	1¼	2	2½	3	3½	4
C (NPT)	1½	1½	1½	1½, 2	2, 2½	2, 2½
D*	11	14	16	19		27
E*	4	5½	6	6		9
Clear Bore Dia. (in.)**	0.93	1.25	1.47	1.91	2.28	2.86

* Dimensions are approximate, and may vary slightly due to factory or field adjustments to alter performance.
 ** Minimum internal diameter
 Manufacturer reserves right to alter data without notice.



A - Inlet Port
 B - Discharge Port
 C - Blower Connection