

### SERIES VBS 3" & 4"

#### Construction & Materials

VBS Vacuum Breakers are available in Geon<sup>®</sup> PVC, Natural Polypropylene, Corzan<sup>®</sup> CPVC and Kynar<sup>®</sup> PVDF in sizes 3" and 4". Standard dust caps match body material with the exception of PVDF models which are natural polypropylene; PVDF dust cap is optional. External, non-wetted fasteners are used on Series VBS in 3" & 4" sizes and are 300 series stainless steel. The self-guided spring is completely encapsulated (not coated) with PFA. The encapsulation is not "adhered" to the spring. It flexes independently of the spring and does not crack or flake the way coatings can. This encapsulation has been tested for over 1,000,000 cycles in laboratory conditions with no ill effects.

Series VBS **seals** are EPDM or FKM.

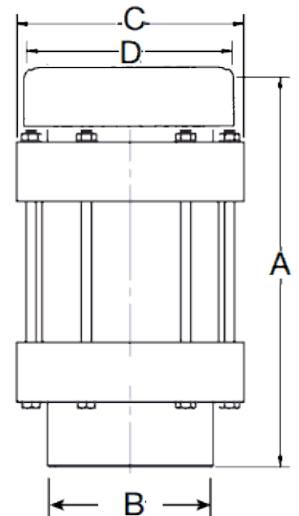
For alternate materials, please consult factory. Minimum quantities apply.

Threaded connections are standard on all models. Socket ends, BSP threads, JIS and DIN connections are available on all sizes and materials. Inlet connection is shipped with standard dust cap. Cap is removable for applications where pipe connection is desired due to location, potential hazard, etc. The inlet connection is identical to the connection on the system side of the valve. If your application requires an unusual connection, custom material or configuration, please contact our Technical Team at 973-256-3000.



VBS 3" & 4" Dimensions – All Materials

PIPE SIZE	A		B		C		D	
	In.	mm	In.	mm	In.	mm	In.	mm
3"	10.5	268	4.2	107	5.8	147	5.5	140
4"	12.83	326	5.75	146	7.88	200	7.5	191



#### Ordering Information

Pipe Size	PVC Viton Seals	Natural Polypro Viton Seals	Kynar PVDF Viton Seals	Corzan CPVC Viton Seals
3"	VBS300VT-PV	VBS300VT-PP	VBS300VT-PF	VBS300VT-CP
4"	VBS400VT-PV	VBS400VT-PP	VBS400VT-PF	VBS300VT-CP

Part numbers shown with FKM seals and threaded connections.  
 For EPDM seals, change second V to EP. Example: VBS300EPT-PV  
 For socket connections, change T to S. Example: VBS300VS-PV



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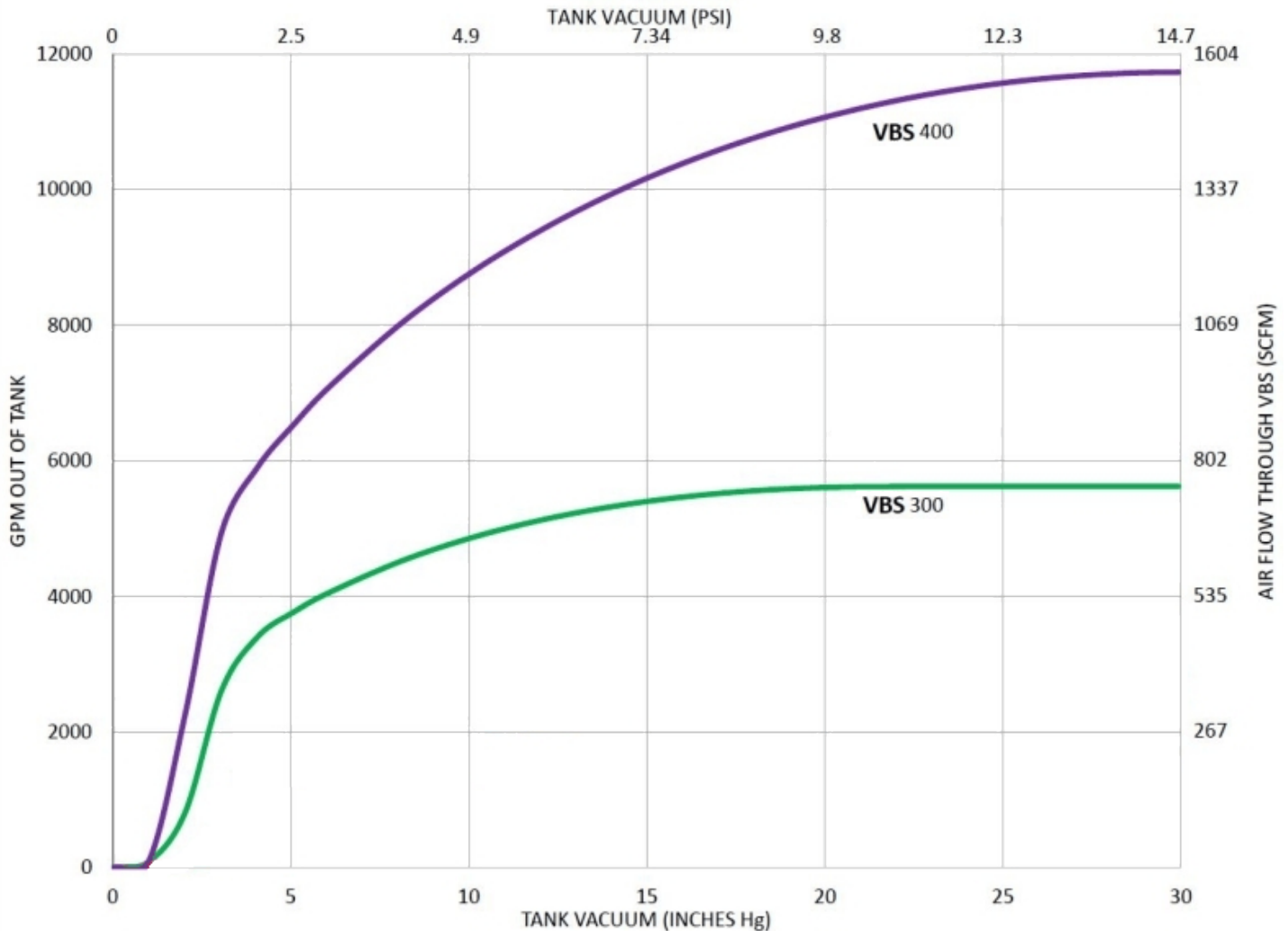
416.236.1884

Toronto, ON

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### FLOW PERFORMANCE

VBS AIR FLOW CHART - CALCULATED DATA AT 70°F



**Explanation of Graph:**

The above graphs relate liquid flow leaving an enclosed tank to the resulting vacuum created in the tank as air is entering the tank through the Vacuum Breakers.

To use the graph, determine the rate of flow when draining the tank in SCFM and from that location on the vertical axis read across to the graph of the proper vacuum breaker size. At this intersection of the graph read down to the horizontal axis and determine the vacuum for the tank. This is the recommended vacuum rating of the tank which must be checked with the tank manufacturer's rating to be sure the tank is strong enough.



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