

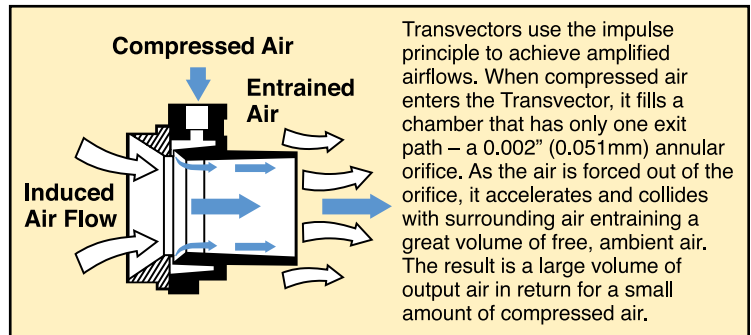
Round Transvectors®

Air Amplifiers for Vacuum, Blowoff, Cooling or Conveying

Round Transvectors® use a small amount of filtered compressed air to deliver a large airflow for a wide range of conveying, ventilation, drying and cooling applications. The high-flow, bladeless blowers don't require machine guards and are especially useful for removing metal chips and scrap, ventilating fumes or smoke, and conveying small parts, pellets, powders and dust. As a vacuum or blowoff device, these air amplifiers are more compact and less expensive than variable-speed blowers and fans, provide instant on/off performance, and operate at low noise levels to meet OSHA requirements. Round Transvectors® are easily mounted and, with no moving parts to wear out or break, are virtually maintenance-free. Used in ducted and unducted applications, Round Transvectors® are available in several sizes, in both aluminum and stainless steel, and can deliver flow rates from 32 to 2300 SCFM.

Tranvectors' wide range of applications include:

- Convey any material that can be moved in an airflow including grain, plastic pellets, sawdust, powder, capsules, metal chips, paper and cloth trim, lint, dust, small parts, stamping scrap and lead shot.
- Ventilate and exhaust welding, soldering and machine smoke, auto exhaust, plating tank fumes and other gases.
- Cool, clean or dry molded parts, castings, food products, etc.
- Weigh sort pharmaceuticals and other light materials.



Significantly smaller and less expensive than variable-speed blowers or fans

- Instant on/off – no moving parts
- Airflow and output easily adjusted
- No guards or safety hazards
- Quiet – meets OSHA noise requirements
- Easily mounted, ducted and moved
- Outperforms venturis and ejectors
- No electricity, explosion hazard or RF interference

ITW Vortec
Innovative Compressed Air Technologies

Performance Specifications

MODEL NO.	THROAT DIAMETER	AIR CONSUMPTION				AMPLIFICATION	DUCTED OUTPUT
		80 PSIG (5.5 BAR) (SCFM)	(SLPM)	100 PSIG (6.9 BAR) (SCFM)	(SLPM)		
901B*	0.41" (10mm)	7	192	8	235	4:1	32 SCFC (906 SLPM)
901XSS	0.39" (10mm)	8	212	9	255	5:1	45 SCFM (1358 SLPM)
902/902XSS	0.79" (20mm)	15	411	17	482	12:1	204 SCFM (5773 SLPM)
903/903XSS	1.57" (40mm)	21	583	25	708	19:1	475 SCFM (13443 SLPM)
904	3.00" (76mm)	58	1633	71	2012	20:1	1420 SCFM (40186 SLPM)
905	5.00" (127mm)	107	3028	117	3311	20:1	2340 SCFM (66222 SLPM)

All flows are at the standard factory setting. Flows are adjustable on the stainless models via rotation of the outlet "barrel". Flows are adjustable on the other models via shim substitution. Reducer adapters available for inline configuration. *Model 901B – Brass Construction

Aluminum Transvector Dimensions

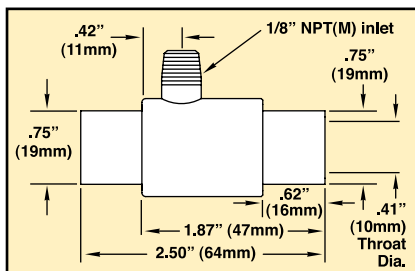
Column headings refer to dimensions shown in illustrations at bottom of page.

MODEL NO.	A	B	C	D	E	F	G	H	J	K	L	M	N
902	3.00	2.06	2.50	1.38	1.75	0.27	2.50	1.25	0.59	1.00	0.50	1/4	0.79
	76mm	52mm	64mm	35mm	44mm	7mm	64mm	32mm	15mm	25mm	13mm	NPTF	20mm
903	4.06	3.00	3.56	1.94	2.75	0.27	3.22	2.00	0.72	1.35	0.62	3/8	1.57
	103mm	76mm	90mm	49mm	70mm	7mm	82mm	51mm	18mm	34mm	16mm	NPTF	40mm
904	7.75	6.06	6.50	3.50	5.00	0.53	6.62	4.00	1.30	3.78	0.75	1/2	3.00
	197mm	154mm	165mm	89mm	127mm	13mm	170mm	102mm	33mm	96mm	25mm	NPTF	76mm
905	9.38	9.88	8.437	5.12	7.00	N/A	17.40	8.00	1.78	14.62	1.00	3/4	5.00
	239mm	251mm	214mm	130mm	178mm	N/A	442mm	203mm	45mm	373mm	25mm	NPTF	127mm

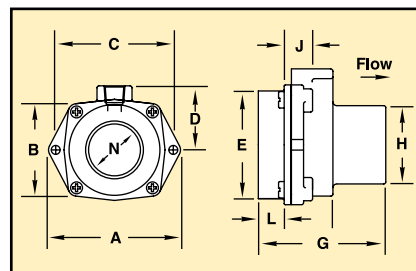
Stainless Steel Transvector Dimensions

Column headings refer to dimensions shown in illustrations at bottom of page.

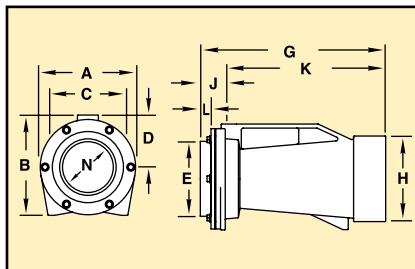
MODEL NO.	A	B	C	D	E	F	G	H	J
901XSS	0.39" (10mm)	0.39" (10mm)	1.00" (25.4mm)	2.85" (72.5mm)	0.73" (18.5mm)	0.79" (20mm)	1/8-27 NPT	1.25" (38mm)	0.78" (20mm)
902XSS	0.79" (20mm)	0.47" (12mm)	1.50" (38mm)	2.93" (74.5mm)	0.75" (19mm)	1.18" (30mm)	1/4-1/8 NPT	1.90" (48mm)	0.88" (22mm)
903XSS	1.57" (40mm)	0.59" (15mm)	2.50" (63.5mm)	3.86" (98mm)	0.94" (24mm)	1.97" (50mm)	3/8-18 NPT	2.75" (70mm)	1.18" (30mm)



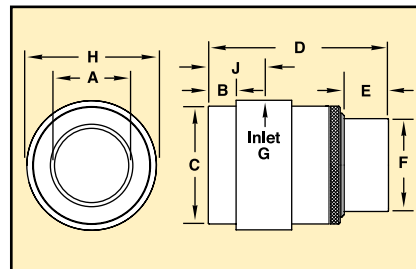
Model 901B dimensions



Model 902, 903 and 904 dimensions



Model 905 dimensions



Stainless Steel Transvector dimensions

Stainless steel models are ideal for applications where purity, corrosion, abrasion or heat is a concern.



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Reference the Product Guide catalog and/or ITW Vortec invoice **Conditions of Sale** for complete information and warranty terms. Due to a policy of continuous development we reserve the right to change specifications without notice.