

Air Amplifiers

Round Transvectors®

Round Transvectors® are ideal for conveying any material that can be moved in an airflow and for removing fumes and scrap. Since air amplifiers move large volumes of air using only a small amount of compressed air, they are economical to operate.

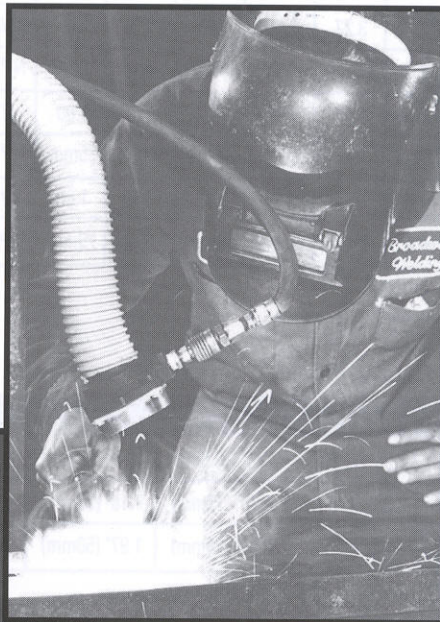
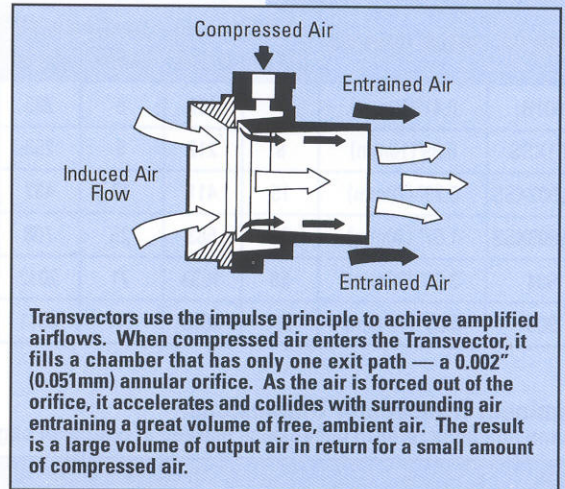
Applications:

Round Transvectors are used in both ducted and unducted applications. In ducted applications, they are used at flow rates up to 2400 SCFM (67920 SLPM). Transvectors are excellent for ventilating, air conveying, drying and cooling. Transvectors' wide range of applications include:

- Conveying 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.
- Ventilating and exhausting welding, soldering and machine smoke, auto exhaust, plating tank fumes and other gases.
- Cooling molded parts, castings, etc.

Features:

- No moving parts — maintenance free.
- Airflow and output easily adjusted.
- No electricity, explosion hazard or RF interference.
- Significantly smaller and less expensive than variable-speed blowers or fans.
- No guards or safety hazards.
- Instant on/off.
- Quiet — meets OSHA noise requirements.
- Easily mounted, ducted and moved.
- Move air at atmospheric pressure without air locks.
- Outperform venturis and ejectors.

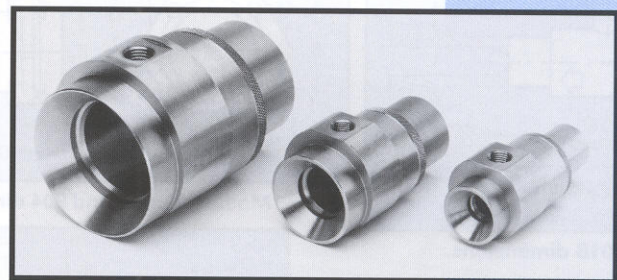


Adaptors for in-line-ducting:

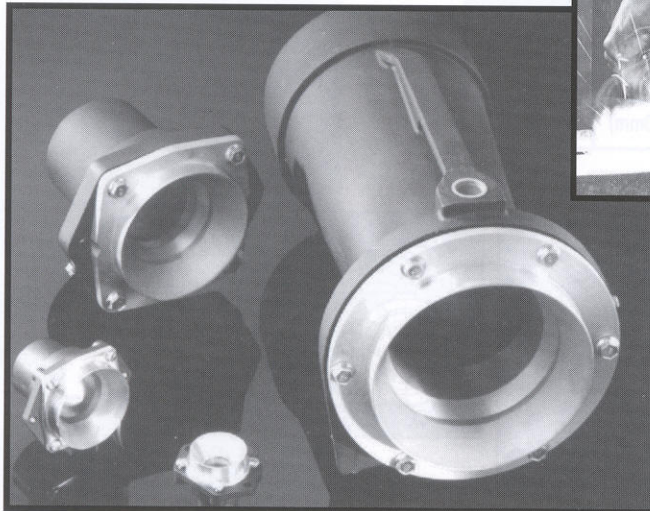
Use these suction adaptors with Model 902 and 903 Transvectors for in-line ducting.

Model 996— use with Model 902.
Model 997— use with Model 903.

▲ Transvectors effectively remove fumes from welding operations.



▲ Stainless Steel Transvectors are ideal for applications where purity, corrosion-resistance or abrasion-resistance is important.



▲ Transvectors increase airflow, drastically reducing compressed air consumption and noise levels.



TW Vortec

Innovative Compressed Air Technologies



Models:

Round Transvector are available in aluminum or stainless steel (Model 901B is brass). Stainless steel models are ideal for applications where purity, corrosion-resistance, abrasion-resistance or heat-resistance is important.

Performance Specifications:

MODEL NO.	THROAT DIAMETER	80 PSIG (5.5 BAR)		100 PSIG (6.9 BAR)		AMPLIFICATION	DUCTED OUTPUT
		(SCFM)	(SLPM)	(SCFM)	(SLPM)		
901B	0.41" (10mm)	7	192	8	235	4:1	32 SCFM (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" (12 mm)	107	3028	117	3311	20:1	2340 SCFM (66222 SLPM)

Aluminum Transvector Dimensions:

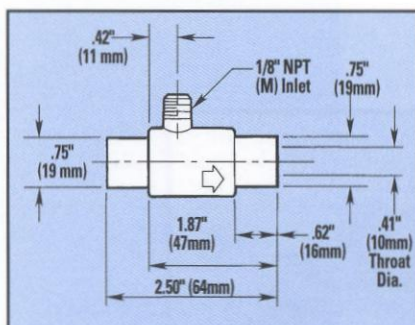
Column headings refer to dimensions marked at bottom of page.

MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N
902	3.00	2.06	2.50	1.38	1.75	.27	2.50	1.25	.59	1.00	.50	1/4	.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	.27	3.22	2.00	.72	1.35	.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	.53	6.82	4.00	1.32	3.78	1.00	1/2	3.00
	197mm	154mm	165mm	89mm	127mm	13mm	173mm	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

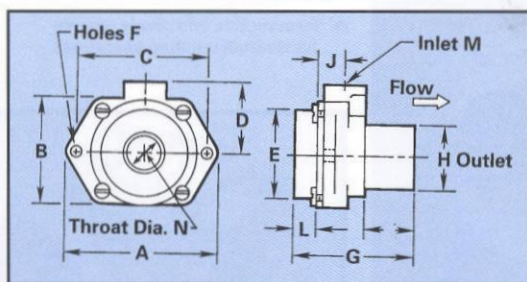
Stainless Steel Transvector Dimensions:

Column headings refer to dimensions marked at bottom of page.

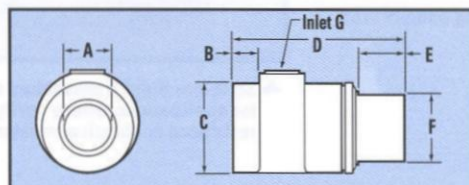
MODEL	A	B	C	D	E	F	G
901XSS	0.39" (10mm)	0.39" (10mm)	0.98" (125mm)	2.85" (72.5mm)	0.73" (18.5mm)	0.79" (20mm)	1/8-27 NPT
902XSS	0.79" (20mm)	0.47" (12mm)	1.50" (38mm)	2.93" (74.5mm)	0.75" (19mm)	1.18" (30mm)	1/4-18 NPT
903XSS	1.57" (40mm)	.59" (15mm)	2.50" (63.5mm)	3.86" (98mm)	0.94" (24mm)	1.97" (50mm)	3/8-18 NPT



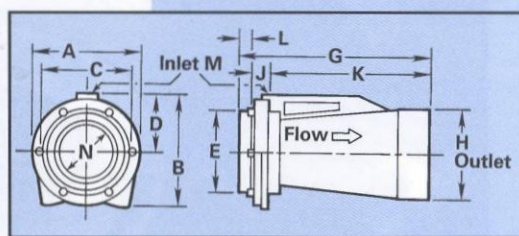
Model 901B dimensions.



Model 902, 903 and 904 dimensions.



Stainless Steel Transvector dimensions.



Model 905 dimensions.

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iProcesSmart.com

14262 Doolittle Drive

San Leandro, CA 94577

Tel: 510-352-8199

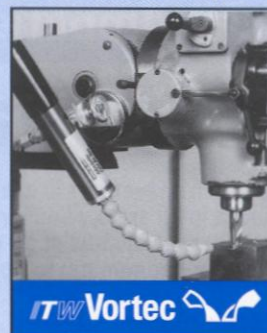
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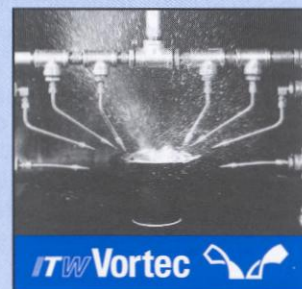
ITW Vortec

Innovative Compressed Air Technologies

Some of our other products:



610 Cold Air Gun



Osha Safe Nozzles



Spill Pick Up

Due to a policy of continuous development, we reserve the right to change specifications without notice.



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