
Air Nozzles

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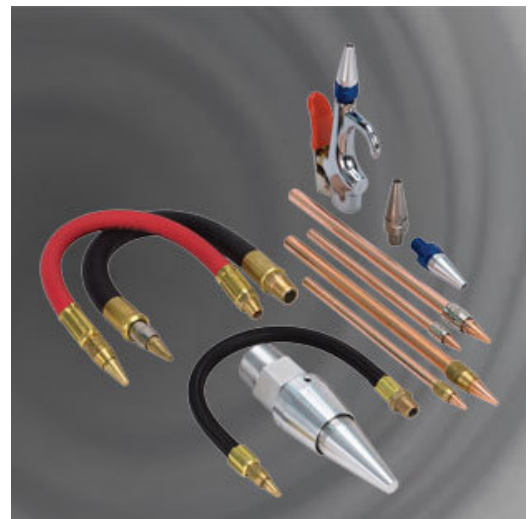
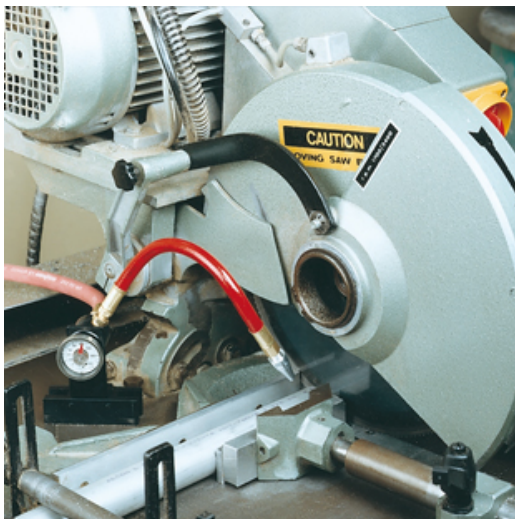
1 Air Nozzles

Patented Air Amplifying Design Reduces Compressed Air Consumption

1.1 Overview

Vortec engineered blow off nozzles significantly reduce compressed air consumption and noise, compared to open nozzle jets.

Using proven Transvector amplification technology, Vortec nozzles entrain and accelerate free surrounding air, resulting in air flow volume up to 25 times more than the volume of compressed air, giving 25 times the blow off capacity at a significantly reduced energy usage and lower operating cost. And while reducing air consumption, Vortec nozzles also reduce noise levels by as much as 60



1.2 Features

- Full range of designs, sizes and force/thrust levels
- Flexible nozzles allow better positioning
- Adjustable nozzles enable varying power/thrust levels for each blow off job
- Power/thrust levels ranging from 3 ' 72 oz-force
- Air stream sizes at nozzle ranging from 3/16" to 1"
- Meet OSHA noise guidelines; reduces noise compared to open copper tubes and drilled pipe
- Meet OSHA 1910.242(b) dead-end pressure guidelines

1.3 Benefits

- Save time with better blow off capability
- Up to 25 times blow off power
- Reduce operating costs due to compressed air usage by up to 80
- Reduce noise levels by as much as 60
- Reach tight spaces with effective blow off
- Better positioning to target with flexible nozzles
- Blow off multiple or changing locations with flexible nozzles

1.4 Applications

Vortec nozzles are available in a full range of designs, materials of construction, sizes and force/thrust levels compatible with most installations; capable of replacing open copper tubes, flex-line, drilled pipe and other nozzles that are not designed to save air. Worker safety standards are met as well, as Vortec nozzles are compliant with OSHA 1910.242(b) dead-end pressure regulations.

1.5 Uses

- Blow off cleaning
- Cooling
- Parts drying
- Air-assist in moving or orienting position of parts or product
- Replacing open copper tubes and pipes for blow-off
- Energy conservation programs
- OSHA compliance programs
- Ejection of parts or cut-outs

2 Models

2.1 Energy Saver Air Amplification Nozzles

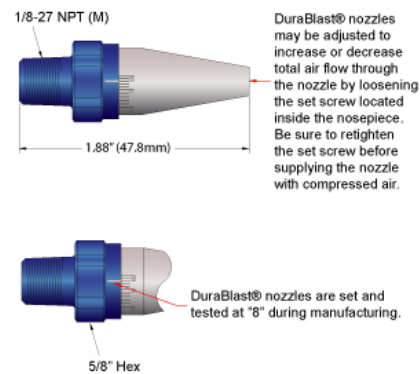
Energy Saver Air Amplification Nozzles give 25 times the blow off capability at a significantly reduced energy usage and lower operating cost.

1200: Aluminium nozzle, adjustable

Adjustable micrometer dial (set airflow and thrust)

Aluminium body

Model	1200
Force, g	85-205
Air Amplification	25
Air stream at nozzle, mm	16
Air Consumption (scfm)	8-26 @ 40 psig
Air Consumption (l/min)	226-736 @ 40 psig

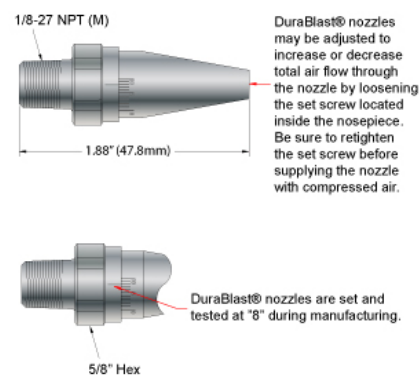


1200SS: Stainless Steel nozzle, adjustable

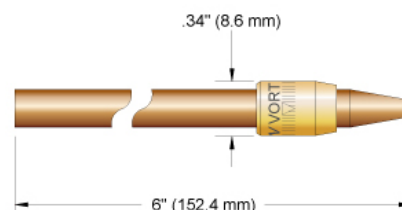
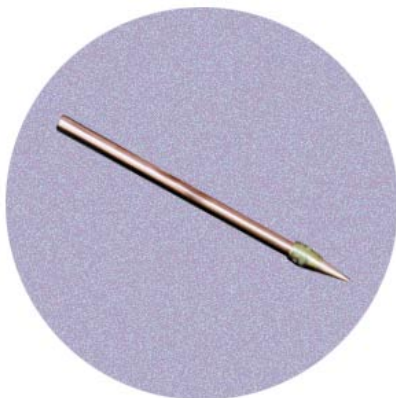
Adjustable micrometer dial (set airflow and thrust)

Stainless steel body

Model	1200SS
Force, g	85-205
Air Amplification	25
Air stream at nozzle, mm	16
Air Consumption (scfm)	8-26 @ 40 psig
Air Consumption (l/min)	226-736 @ 40 psig

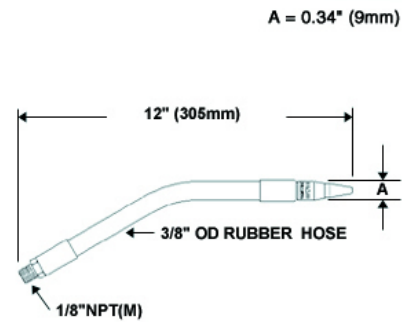
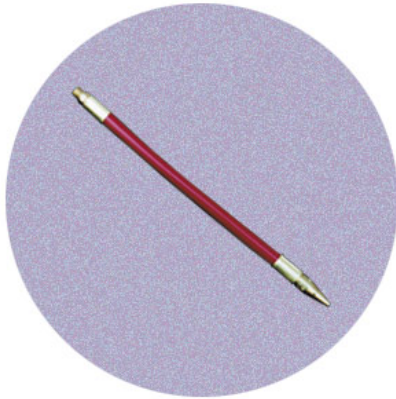
**1201: Nozzle on bendable copper tubing**

Model	1201
Force, g	170
Air Amplification	25
Air stream at nozzle, mm	5
Air Consumption (scfm)	9 @ 100 psig
Air Consumption (l/min)	255 @ 100 psig

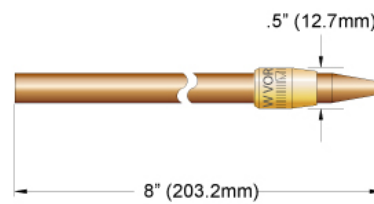
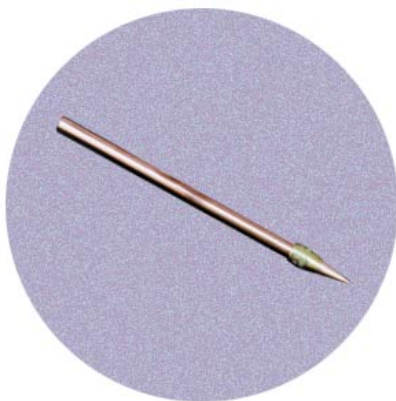


1201F-12: 1201 nozzle on flexible hose

Model	1201F-12
Force, g	170
Air Amplification	25
Air stream at nozzle, mm	5
Air Consumption (scfm)	9 @ 100 psig
Air Consumption (l/min)	255 @ 100 psig

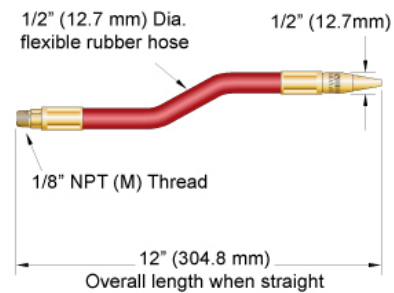
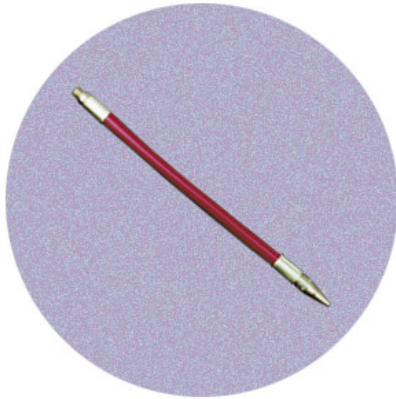
**1203: Nozzle on bendable copper tubing**

Model	1203
Force, g	255
Air Amplification	25
Air stream at nozzle, mm	6
Air Consumption (scfm)	13 @ 100 psig
Air Consumption (l/min)	368 @ 100 psig



1204: 1203 nozzle on flexible hose

Model	1204
Force, g	255
Air Amplification	25
Air stream at nozzle, mm	6
Air Consumption (scfm)	13 @ 100 psig
Air Consumption (l/min)	368 @ 100 psig

**9401: Blow gun with 1200 nozzle**

Model	9401
Force, g	85-205
Air Amplification	25
Air stream at nozzle, mm	16
Air Consumption (scfm)	8-26 @ 40 psig
Air Consumption (l/min)	226-736 @ 40 psig

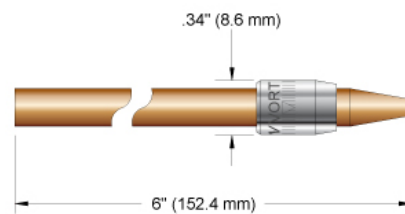
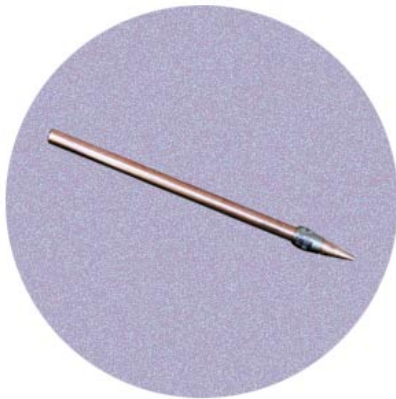


2.2 Energy Saver High Thrust Air Amplification Nozzles

Energy Saver High Thrust Air Amplification Nozzles give 25 times the blow off capability at a significantly reduced energy usage and lower operating cost.

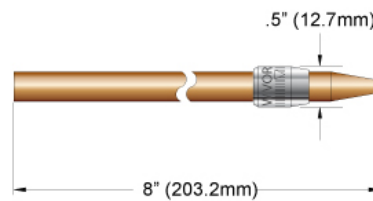
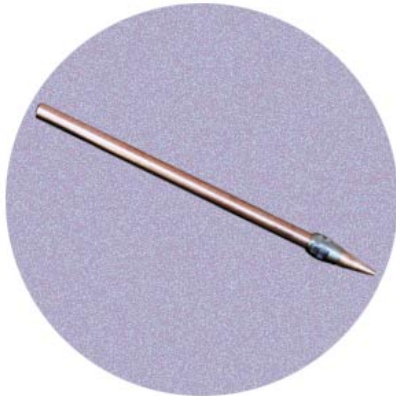
1202: High thrust version of 1201

Model	1202
Force, g	596
Air Amplification	25
Air stream at nozzle, mm	5
Air Consumption (scfm)	23 @ 100 psig
Air Consumption (l/min)	651 @ 100 psig

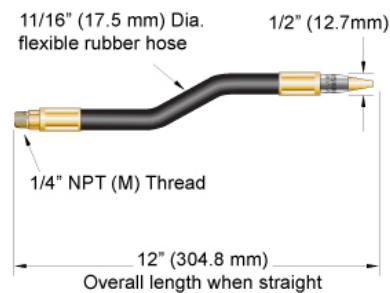


1205: High thrust version of 1203

Model	1205
Force, g	794
Air Amplification	25
Air stream at nozzle, mm	6
Air Consumption (scfm)	31 @ 100 psig
Air Consumption (l/min)	877 @ 100 psig

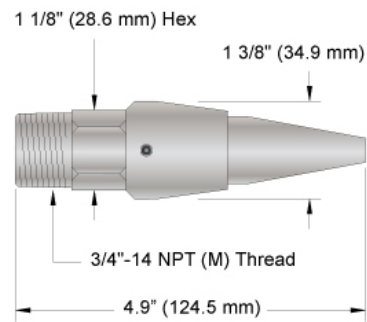
**1206: 1205 nozzle on flexible rubber hose**

Model	1206
Force, g	794
Air Amplification	25
Air stream at nozzle, mm	6
Air Consumption (scfm)	31 @ 100 psig
Air Consumption (l/min)	877 @ 100 psig



1220: Ultra high thrust fixed nozzle

Model	1220
Force, g	2041
Air Amplification	25
Air stream at nozzle, mm	25
Air Consumption (scfm)	120 @ 100 psig
Air Consumption (l/min)	3396 @ 100 psig



3 Technical data

Energy Saver Air Amplification Nozzles

Model	Force, g	Air Amplification	Air stream at nozzle, mm	Air Consumption (scfm)	Air Consumption (l/min)
1200	85-205	25	16	8-26 @ 40 psig	226-736 @ 40 psig
1200SS	85-205	25	16	8-26 @ 40 psig	226-736 @ 40 psig
1201	170	25	5	9 @ 100 psig	255 @ 100 psig
1201F-12	170	25	5	9 @ 100 psig	255 @ 100 psig
1203	255	25	6	13 @ 100 psig	368 @ 100 psig
1204	255	25	6	13 @ 100 psig	368 @ 100 psig
9401	85-205	25	16	8-26 @ 40 psig	226-736 @ 40 psig

Energy Saver High Thrust Air Amplification Nozzles

Model	Force, g	Air Amplification	Air stream at nozzle, mm	Air Consumption (scfm)	Air Consumption (l/min)
1202	596	25	5	23 @ 100 psig	651 @ 100 psig
1205	794	25	6	31 @ 100 psig	877 @ 100 psig
1206	794	25	6	31 @ 100 psig	877 @ 100 psig
1220	2041	25	25	120 @ 100 psig	3396 @ 100 psig