

# AIR SAVER HIGH-THRUST JETS



## Don't buy another compressor...change over to High Thrust Jets...cut noise and energy too!

Heavy blow-off and air conveying jobs can overwork your compressor and shorten the time between expensive overhauls. A 1/4" (6mm) air tube uses the entire output of a 10-hp (7.5 kW) compressor, sending energy costs out of sight, hitting 100 dBA noise levels, and violating OSHA dead-end air pressure limits.

Air Saver Jets give you an edge with air amplification. **Safer and quieter, they amplify compressed air flows four times**, delivering high thrust with a fraction of the air used by open air lines.

Plant-wide changeover to Jets is like adding compressor capacity. They'll:

- cut your energy bills
- increase air flow with lower noise level
- reduce demand on your compressor
- give you a return on investment in weeks, if not days

## How do High-Thrust Jets work?

Air Saver High-Thrust sets release a tiny amount of compressed air at near-sonic velocity through a fine, internal, ring-shaped nozzle. The high-speed "tube" of air ejected through the front creates a strong vacuum behind itself, pulling additional surrounding air through the rear of the jet, while pushing the ambient air in front.

## Two models: adjustable unit for easy set-up or fixed flow unit with air-conveying capability

Air Adjustable High-Thrust Jets simplify set-up and system change because you can alter the flow and thrust with a quick twist of the nozzle. Its micrometer scale allows you to set it for 4.7 to 18.4 oz. (133 g to 521g) of thrust at 12" (300mm), with 80 PSIG (5 BAR) input.

Just install it on your air line and set it to do the job. The In-Line Air Jet is ideal for retrofitting open air line blow-off applications where system set-up does not change frequently. It can also air-convey fine granular product, with a 3/4" (19mm) diameter inlet for attachment of tubing. It develops 180" W.C. suction and 5.6 oz. (150 g) thrust with 80 PSIG (5 BAR) air.

### Advantages of High-Thrust Jets:

- Low initial and operating costs
- Meet OSHA noise and dead-end pressure requirements
- Easy to control flow/force
- Instant on/off
- No maintenance, no moving parts
- No electricity or explosion hazard
- No RF/EMI interference
- No vibration
- Solid brass construction
- Model 38038 dead-ended suction  
@80 PSIG: 18 SCFM in 189° water

### Use High-Thrust Jets for:

- Ejecting parts
- Blow-off of chips, trim scrap, dust
- Air conveying dusts, powders and fibers
- Parts cleaning before painting
- Cooling extrusions
- Cleaning/cooling of plastic parts
- Cleaning/cooling conveyors and conveyORIZED parts

Jet Blow-Off Force in Ounces of Thrust

Distance from Target	Air Pressure (PSIG)								
	20	30	40	50	60	70	80	90	100
6"	3.0	5.0	7.5	9.5	11.8	14.5	16.5	20.0	22.2
12"	2.9	4.9	6.9	8.8	11.5	13.4	16.2	18.9	21.4
18"	2.3	3.9	5.6	7.1	9.3	11.1	13.7	15.7	17.4

Model #	Throat Dia	AMP Ratio	Output @ 80 PSIG	Setting	PRICE
38038	.38	4:1	104 SCFM	26 SCFM	\$61.00
38044	.44	4:1	80 SCFM	20 SCFM	\$64.00



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