AIR NOZZLES AND JETS

Superior designed Air Nozzle and Jets reduce compressed air consumption and noise levels while maintaining laminar flow for strong Blowoff

WHAT ARE THEY - REASONS TO USE

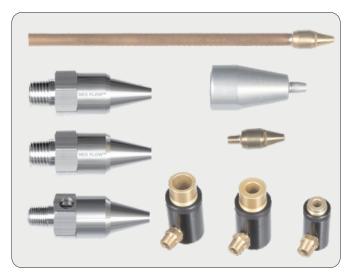
Air Nozzles are the smallest amplifiers for point applications.

Air Jets entrain large volumes of surrounding air through the Jet (similar to Air Amplifiers) and are more efficient than Air Nozzles. They cover a larger blowoff target than a Nozzle.

The larger the Nozzle or the Jet the greater the efficiency for flow amplification and significant energy savings can be achieved.

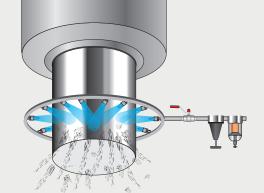
It is important to recognize that amplification Nozzles and Jets are "flow" amplifiers and not force amplifiers. However the more air consumed the greater the force produced.

The most important reason to use Air Nozzles or Jets is safety. All Nex Flow[™] Air Nozzles and Jets meet OSHA standard CFR 1910.242(b) for dead end pressure. Noise levels are dramatically reduced with Air Nozzles and Jets in addition to lower energy use.

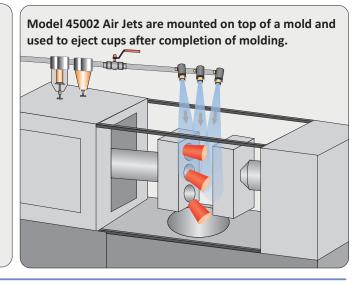


Nex Flow[™] removes the confusion from Air Jets and Nozzles. You do NOT need hundreds of different nozzles. All air amplifying Nozzles produce air flows up to 25 times the compressed air consumed. Different Nozzles have different outlet sizes and the more air used, the greater the force produced. Noise reduction up to 10 dBA as well as reduced air consumption when compared to open Jets and Tubes.

By maintaining a reasonable choice of nozzles most valid applications can be addressed with our range.



Model 47003 Nozzles are mounted along the circumference of a one meter diameter piston rod to blow off debris from its surface. The Nozzles are operated only when piston rod retracts in to the cylinder.

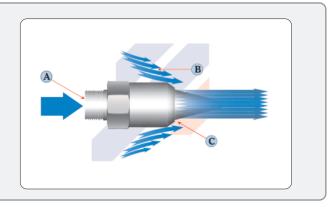


Nex Flow[™] Air Products Corp. 10520 Yonge Street, Unit 35B-220 Richmond Hill, ON, Canada, L4C 3C7 Tel: +1-416-410-1313 Fax: +1-416-410-180 or +1-716-626-3001

AIR NOZZLES

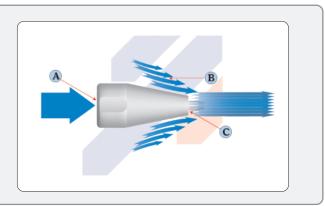
HOW IT WORKS

Air Nozzle - Models 47001, 47002, 47003, 47003S, 47003S-316L, 47004, 47004S, 47004S-316L, 47009, 47009S, 47009S-316L Compressed air enters at point (A). Surrounding air (B) is entrained over a specially designed profile surface by the action of the small amount of compressed air leaving the ring gap at point (C). This results in a concentrated high velocity, laminar flow stream of amplified air with maximized force.



HOW IT WORKS

X-stream[™] Air Nozzle - Model 47010 - Compressed air enters at point (A). Surrounding air (B) is entrained over a specially designed profile surface by the action of the small amount of compressed air leaving the small drilled holes at point (C). This results in a concentrated high velocity, laminar flow stream of amplified air with maximized force.



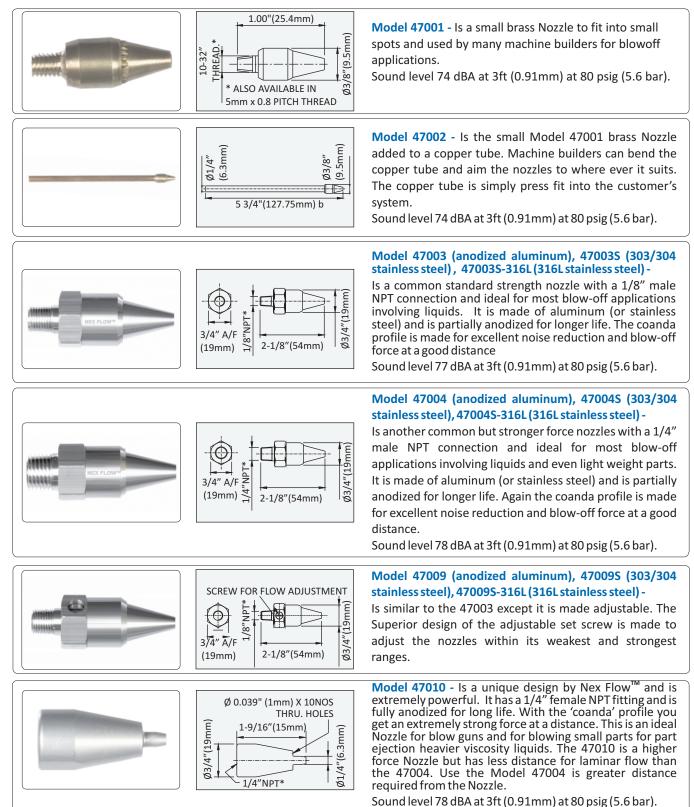
AIR NOZZLES

AIR NUZZLES	
PART NO.	DESCRIPTION
47001	Brass Mini Nozzle with 10/32 fitting or metric equivalent
47002	Brass Mini Nozzle with copper tube - male
47003	Standard Aluminum 1/8" NPT male fitting
47003S	Standard 303/304 Stainless Steel 1/8" NPT male fitting
47003S-316L	Standard 316L Stainless Steel 1/8" NPT male fitting
47004	Extra Strong Aluminum 1/4" NPT male fitting
47004S	Standard 303/304 Stainless Steel 1/4" NPT male fitting
47004S-316L	Standard 316L Stainless Steel 1/4" NPT male fitting
47009	Adjustable Aluminum Nozzle with 1/8" male NPT fitting
47009S	Standard 303/304 Stainless Steel 1/8" NPT male fitting
47009S-316L	Standard 316L Stainless Steel 1/8" NPT male fitting
47010	X-Stream [™] Anodized Aluminum Strong Force Nozzle with ¼″ female NPT fitting
STAINLESS STEEL RIGID FLEX HC	OSE (REFER TO PAGE M5 FOR THE RIGID FLEX HOSE)
PART NO	DESCRIPTION

PART NO.	DESCRIPTION
6RF (MM / MF)	6" Stainless Steel Rigid Hose which can be flexed to a shape
12RF (MM / MF)	12" Stainless Steel Rigid Hose which can be flexed to a shape
18RF (MM / MF)	18" Stainless Steel Rigid Hose which can be flexed to a shape

AIR NOZZLES:

Nex Flow[™] Nozzles are designed to fit into small spaces. We have an adjustable Nozzle for some applications and then a few different Nozzles with varying force, depending on the application.

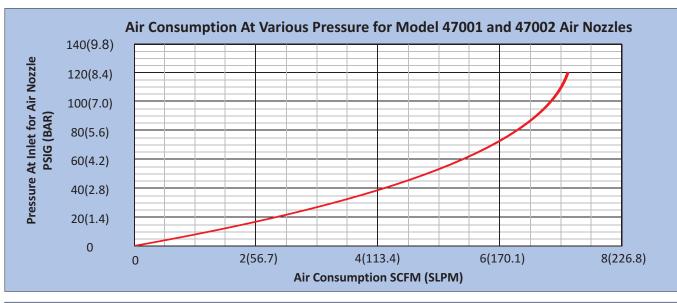


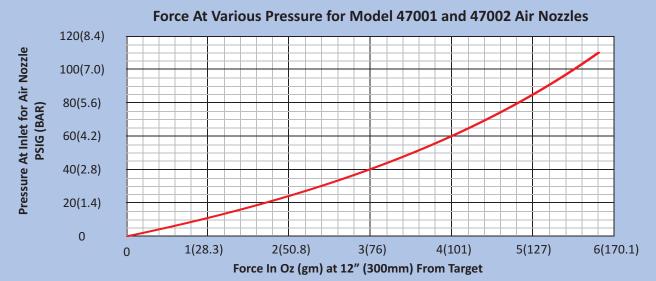
*BSP Threads or Adaptors can be supplied depending on country location.

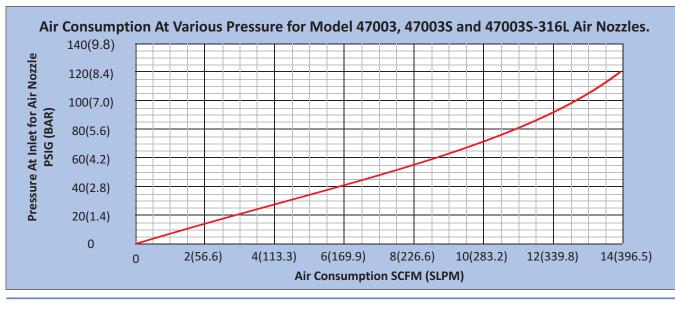
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AIR NOZZLES

≫NEX FLOW[™]

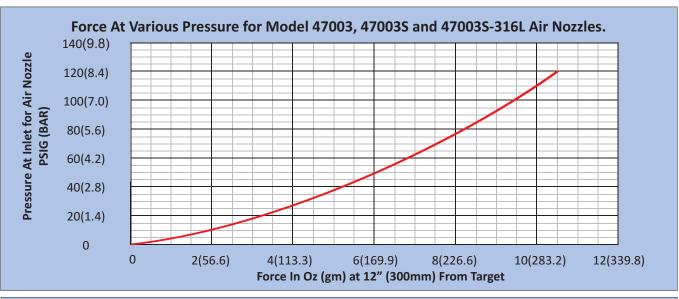


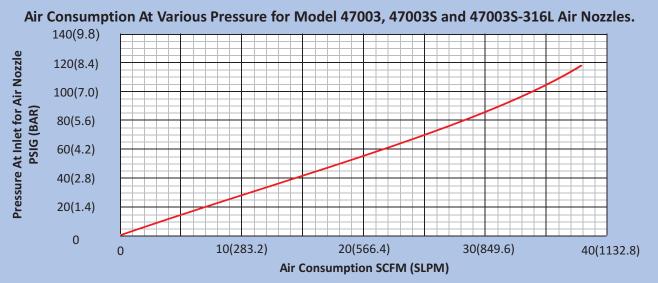


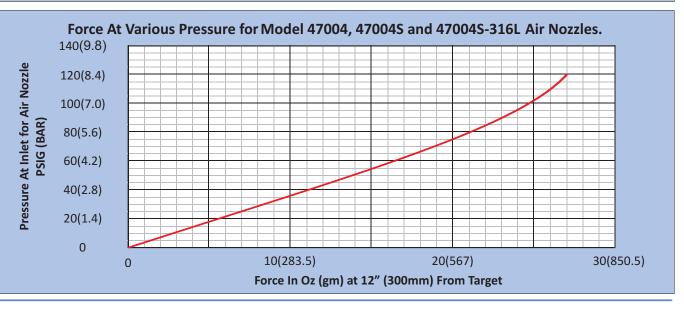


AIR NOZZLES AND JETS

E-mail:- = sales@nexflow.com = sales@nexflowair.com = sales@nex-flow.com Web:- = www.nexflow.com = www.nexflowair.com = www.nex-flow.com

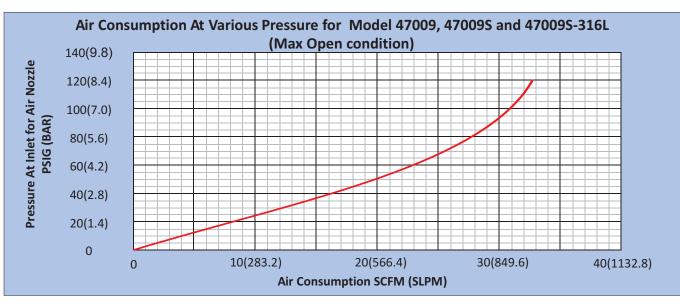


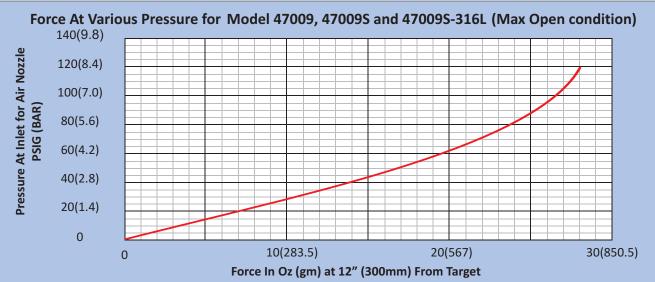


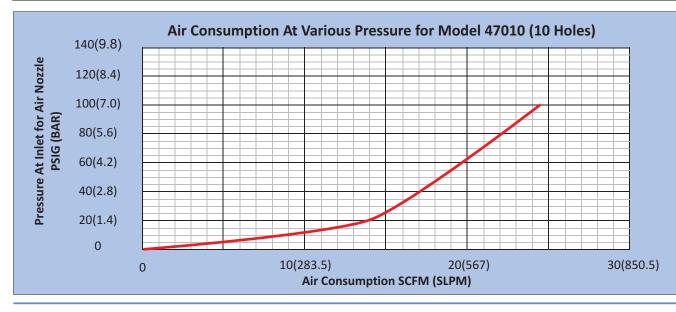


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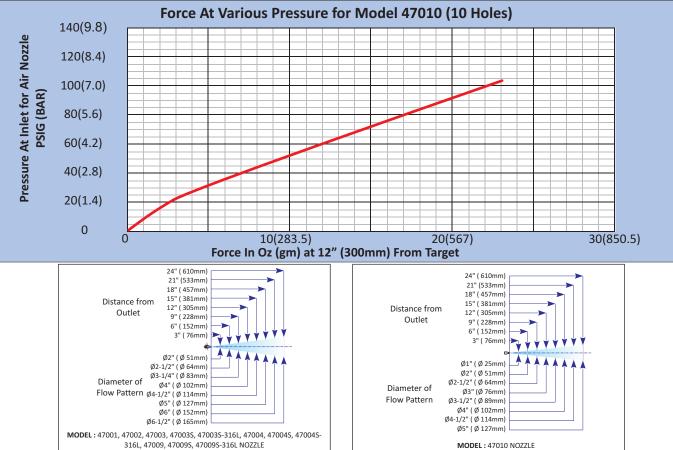






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AIR NOZZLES



AIR NOZZLES

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