

Diaphragm Pumps Ltd presents the

# Novacom Air Saving Nozzles



The Novacom nozzles utilise a phenomenon called the Coanda Effect to reduce air consumption by up to 80% over a standard nozzle.

## How it Works

Similar to an aircraft wing, the air flow over the curve is at a higher speed and lower pressure (air molecules are spread out). This causes the surrounding air to rush in to fill in the gaps between the molecules. Generating air flows up to 31 times more than an open hole.

## Types

The castellated nozzles are designed for impact, to assist in focusing the compressed air from the supply line and entrained air from the surroundings to a sharper laminar flow of air with the highest force per SCFM. Ideal for blow off applications like liquids or particles.

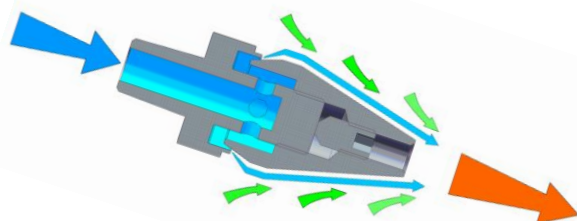
The smooth Air Nozzles are efficient at converting pressure to flow. In fact, as flow amplifiers, they are actually better for “cooling” as they have less force/CFM, but more flow/CFM than the castellated nozzles. For cooling of parts or creating an air curtain.



## Operation

Mounting Coanda Nozzles instead of ordinary nozzles or holes in a pipe can save huge amounts of compressed air, which in itself can mean very quick payback on their investment. It has the added benefit of conforming to OSHA standard CFR 1910.242(b) meaning they are safe to use even at higher pressures.

Whether you want more ‘bang for your buck’ or just to improve your green credentials, Novacom products are now available from Diaphragm Pumps. We recommend fitting with a DropOut Air Filter to avoid the risk of blocking.



dropout



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