

# BETE® AIR ATOMIZING AUTOMATIC NOZZLES FOR PRECISION SPRAY APPLICATIONS

Air atomizing nozzles use the energy in compressed air or gas to produce finely atomized liquid sprays at relatively low operating pressures.

- If you are working with a low pressure and desire a smaller drop size than can be achieved with a single-fluid hydraulic nozzle, a two-fluid air atomizing nozzle is the perfect choice.
- When a viscous fluid needs to be sprayed/atomized and cannot be sprayed with a hydraulic single-fluid nozzle, a two-fluid air atomizing design is often the best option.

## XA 10 & 11 LOW FLOW AIR ATOMIZING SPRAY NOZZLES

The XA nozzle system has many interchangeable components that can be assembled to achieve a variety of air atomizing spraying objectives, with a choice of internal or external mix set-ups. For more information on the XA nozzle series components and options, please visit [www.bete.com/products/xa-dir](http://www.bete.com/products/xa-dir).



<b>Inlet connection</b>	¼" NPT or BSPP, liquid and air
<b>Maximum liquid flow rate</b>	72 GPH / 272.5 LPH
<b>Maximum rated liquid pressure</b>	60 PSI / 2.8 bar
<b>Operating temperature range</b>	-15°F to 400°F / -26°C to 204°C
<b>Air cylinder pressure</b>	30 PSI to 250 PSI / 2 bar to 17.2 bar
<b>Maximum cycle frequency</b>	3 cycles/sec
<b>Nozzle construction</b>	Nickel plated brass or stainless steel wetted components, Blue-Gard® gasket, Viton® (FKM) seals
<b>Compatible with XAAD, XAEF (pictured), XAER, XAFF, XAPF, XAPR, XASF, XASR, and XAXW spray set-ups.</b>	

## SAM EXTERNAL MIX AIR ATOMIZING SPRAY NOZZLES

Design Features of the SAM Flat Fan and Narrow Round Automatic Nozzle  
For more information, please visit [www.bete.com/products/sam](http://www.bete.com/products/sam).

- Separate atomizing and fan air lines provide variable coverage and fine control of drop size without affecting liquid flow rates. Higher atomizing air pressure yields finer drop size; higher fan air pressure yields broader patterns.
- Removable plug provided for liquid recirculation port
- External mix; allows spraying of viscous materials
- Liquid flow rates are independent of air
- Precise metering of the liquid flow rate
- Pneumatically-controlled shut-off and clean-out built in



<b>Inlet connection</b>	1/8" NPT or BSPP; air and liquid
<b>Maximum liquid flow rate</b>	47 GPH / 178 LPH
<b>Maximum rated liquid pressure</b>	20 PSI / 1.4 bar
<b>Operating temperature range</b>	15°F to 400°F / -9°C to 204°C
<b>Air cylinder pressure</b>	30 PSI to 250 PSI / 2 bar to 17.2 bar
<b>Maximum cycle frequency</b>	3 cycles/sec
<b>Nozzle Construction</b>	Stainless steel wetted components, Blue-Gard® gasket, Viton® (FKM) seals