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OVERVIEW: ULTRASTREAM NOZZLES

Ideal for: edge trimming, cutting and slitting

- Single orifice version suitable with most paper grades
- Dual orifice versions:
  - Provide twin parallel solid stream sprays for precise edge trimming on fine and specialty papers
  - Eliminate the need for two nozzles used in tandem, reduce backsplash and simplify spray alignment
  - Feature ruby orifices for long-lasting durability
- 38170 single orifice nozzle with strainer helps minimize clogging which is especially helpful when using recirculated water
- Powerful, needle-like solid stream spray

- Nozzles can be placed further away from target to reduce buildup
- Swivel nozzle 39610 or swivel adapter 39290 can be used to align dual orifice nozzles and correctly move a drip shield to the outside of the paper web
- Nozzles 39610, 72242, 58035-2 and 56795-2 feature a shrouded orifice for protection, ease of alignment and help in guiding buildup away from the moving web
- Powerful solid stream spray from .02 to 2.3 gpm (.08 to 8.7 lpm)
- Operating pressures up to 1000 psi (70 bar)

ULTRASTREAM NOZZLE OPTIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Orifice</th>
<th>Connection/ Type</th>
<th>Connection Size</th>
<th>Flow Rate Range gpm (lpm)</th>
<th>Max. Operating Pressure psi (bar)</th>
<th>Spray Angle</th>
<th>Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>38170</td>
<td>Single</td>
<td>M 3/8&quot;</td>
<td>.02 to 2.3 gpm</td>
<td>1000 psi (70 bar)</td>
<td>0° at 100 psi (4 bar)</td>
<td></td>
<td>Brass body with ceramic or 316 stainless steel orifice, 304 stainless steel screen</td>
</tr>
<tr>
<td>38171</td>
<td>Single</td>
<td>M 1/8&quot;</td>
<td>.02 to 2.3 gpm</td>
<td>1000 psi (70 bar)</td>
<td>0° at 100 psi (4 bar)</td>
<td></td>
<td>Brass body with ceramic or 316 stainless steel orifice</td>
</tr>
<tr>
<td>48461</td>
<td>Single</td>
<td>M 1/8&quot;</td>
<td>.02 to 2.3 gpm</td>
<td>1000 psi (70 bar)</td>
<td>0° at 100 psi (4 bar)</td>
<td></td>
<td>Synthetic ruby orifice and 303 stainless steel body</td>
</tr>
<tr>
<td>39610</td>
<td>Single</td>
<td>M10 x 0.75 M</td>
<td>.02 to 2.3 gpm</td>
<td>1000 psi (70 bar)</td>
<td>0° at 100 psi (4 bar)</td>
<td></td>
<td>Synthetic ruby orifice and 303 stainless steel body</td>
</tr>
<tr>
<td>72242</td>
<td>Single</td>
<td>M 1/8&quot;</td>
<td>.02 to 2.3 gpm</td>
<td>1000 psi (70 bar)</td>
<td>0° at 100 psi (4 bar)</td>
<td></td>
<td>Synthetic ruby orifice and 303 stainless steel body</td>
</tr>
<tr>
<td>58035-2</td>
<td>Dual</td>
<td>M/F 1/8&quot;</td>
<td>.02 to 2.3 gpm</td>
<td>1000 psi (70 bar)</td>
<td>0° at 100 psi (4 bar)</td>
<td></td>
<td>Synthetic ruby orifice and 303 stainless steel body</td>
</tr>
</tbody>
</table>
OVERVIEW: ULTRASTREAM NOZZLE ACCESSORIES

- Simplify installation and speed set-up by purchasing accessories and nozzles together
- Improve precision, optimize system performance and minimize paper breaks

ULTRASTREAM NOZZLE ACCESSORY OPTIONS

115425 and 115427 Trimming Feed Converter
- Convert trimming feeds back and forth between 1/8” to M10 x 0.75 threads
- Retrofit existing installed M10 thread bases
- 115425 - Convert M10 base for 1/8” nozzle
- 115427 - Convert 1/8” base for M10 nozzle
- 303 stainless steel body

39290 Swivel Adapter
- Add swivel functionality to any 1/8” UltraStream nozzle
- 303 stainless steel body
- Suitable for use with single orifice ruby nozzle 72242 or dual orifice ruby nozzle 56795-2

87529 Air Barrier Adapter
Shown with 48461 UltraStream
- Prevents buildup on trim nozzles with a shroud of compressed air
- 1/8” compressed air connection
- 2 to 7 psi (0.14 to 0.48 bar) required for operation
- Can be use with any single or dual orifice UltraStream nozzle
- 303 or 316 stainless steel body

QUICK REFERENCE GUIDE

<table>
<thead>
<tr>
<th>Model</th>
<th>Connection/Type</th>
<th>Inlet Connection Size/Type</th>
<th>Outlet Connection Thread Size/Type</th>
<th>Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>115425</td>
<td>Inlet M Outlet F</td>
<td>M10 x 0.75</td>
<td>1/8”</td>
<td>303 stainless steel</td>
</tr>
<tr>
<td>115427</td>
<td>Inlet M Outlet F</td>
<td>1/8”</td>
<td>M10 x 0.75</td>
<td>303 stainless steel</td>
</tr>
<tr>
<td>39290</td>
<td>Inlet M Outlet F</td>
<td>M10 x 0.75</td>
<td>1/8”</td>
<td>303 stainless steel</td>
</tr>
<tr>
<td>87529</td>
<td>Inlet M Outlet F</td>
<td>1/8”, 1/4”, M10 x 0.75</td>
<td>1/8”, M10 x 0.75</td>
<td>303 or 316 stainless steel</td>
</tr>
</tbody>
</table>

FOR DETAILED NOZZLE PERFORMANCE DATA, SEE spray.com/papercatalog/performance
OVERVIEW: ALIGNMENT DEVICES FOR ULTRASTREAM NOZZLES

Ideal for: edge trimming

- Quick and easy adjustment of UltraStream® nozzles to the exact trim position reduces downtime for nozzle alignment up to 70%
- Use with different paper widths and grades; horizontal and rotational adjustments can be made quickly and accurately in 10 mm increments to ensure precise control of nozzle location – no tools required
- Record final positions to ensure repeatable performance using calibration devices
- Improve operator safety – handles and scales are located away from the nozzles
- Multi-pipe alignment device provides a redundant stream to prevent sheet breaks due to spitting or broken streams
- Goose-necked pipe design prevents turbulence in pipe before nozzle
- Set-up is simple – UltraStream nozzles attach easily to arms; alignment arms can be removed without disrupting remaining arms and nozzle locations
- For use with single or dual UltraStream nozzles with or without 38170 strainers
- Stainless steel construction

ALIGNMENT DEVICE OPTIONS

Multi-pipe Alignment Device 115450
3/8” outlet; 1/4” inlet
Individual pipe horizontal adjustment range: 7.9” (200 mm)
Multi-pipe slider horizontal adjustment range: 7.9” (200 mm)
Individual pipe rotational adjustment range: ± 40°
Two pipe units available upon request

Single-pipe Alignment Device Y72020
3/8” outlet; 1/4” inlet
Horizontal pipe adjustment range: 7.9” (200 mm)
Pipe rotational adjustment range: ± 40°

PLACING YOUR ORDER

Call your local spray expert for application assistance or to place an order.

Precise control of nozzle location is easily accomplished using the rotational and horizontal scales