Air-injector nozzles ID
Air-injector nozzles IDN

Main benefits of ID nozzles
- Sturdy design
- Easily removable injector (e.g. for cleaning)
- Two aeration orifices, precluding all danger of clogging
- Hard-wearing and non-clogging thanks to round bores and ample free cross sections
- Same biological efficiency as that of conventional flat-spray nozzles
- Very good deposition structure and crop-canopy penetration
- Timely application, even under adverse weather conditions
- Designed for “good modern practice”, i.e. for use at wind velocities up to 5 m/s and higher sprayer speeds

Additional benefits of IDN nozzles
- Maximum drift reduction up to 90 % for standard liter-per-hectare rate of 200 l/ha
- Extended pressure range thanks to a new type of internal geometry, producing relatively coarser droplets than the comparable ID nozzle size
- Meets the required buffer zone regulations without changing the concentration of spray liquid and without changing the nozzles for the standard liter-per-hectare rate of 200 l/ha

Range of application
- Application of plant protectants and growth regulators
- Particularly well-suited for application of liquid fertilizer (UAN); pressure range for pure UAN:
  - ID 2.0 to 3.5 bar; IDN 2.0 to 4.0 bar

Features
- Air-aspirating flat-spray nozzle
- Extremely low drift potential, even for higher pressures
- Significantly improved deposition structure thanks to aerated droplets
- Application in field crops and special cultures
- Pressure range:
  - ID-01 to -04: 3.0 to 8.0 bar
  - ID-05 to -08: 2.0 to 8.0 bar
  - IDN-025 to -03: 2.0 to 8.0 bar
- Fits all bayonet cap systems with 10 mm AF and threaded caps
- Combines with IS end nozzle (of equal size), for sharply defined edges
- Included in the lists of »Drift-and-loss-reducing Techniques« LERAP, JKI (former BBA), Staatscourant, SPF, Hjälpreda, ÖAIP and Equipment de limitation de la dérive de pulvérisation

Spray angle: 120°/90°
Material: POM, ceramic

* IDN-characteristic: body with white stripe
### Spray table for air-injector nozzles ID/IDN

<table>
<thead>
<tr>
<th>ID Nozzle Type</th>
<th>Spray Pressure</th>
<th>Material</th>
<th>Spray Angle</th>
<th>Order Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>120-01 90-01 (80/60 M)</td>
<td>6.0</td>
<td>90-02</td>
<td>0.04</td>
<td>72</td>
</tr>
<tr>
<td>120-02 90-02 (60 M)</td>
<td>6.0</td>
<td>90-03</td>
<td>0.05</td>
<td>73</td>
</tr>
<tr>
<td>120-03 90-03 (60 M)</td>
<td>6.0</td>
<td>90-04</td>
<td>0.06</td>
<td>74</td>
</tr>
<tr>
<td>120-04 90-04 (60 M)</td>
<td>6.0</td>
<td>90-05</td>
<td>0.07</td>
<td>75</td>
</tr>
<tr>
<td>120-05 90-05 (25M)</td>
<td>6.0</td>
<td>90-06</td>
<td>0.08</td>
<td>76</td>
</tr>
<tr>
<td>120-06 90-06 (25 M)</td>
<td>6.0</td>
<td>90-07</td>
<td>0.09</td>
<td>77</td>
</tr>
<tr>
<td>120-07 90-07 (25 M)</td>
<td>6.0</td>
<td>90-08</td>
<td>0.10</td>
<td>78</td>
</tr>
</tbody>
</table>

**Sample order**

**Type + spray angle + int'l nozzle size + material = order number**

- **ID 120° 025 (FOM)** = ID 120-025
- **ID 120° 025 (ceramic)** = ID 120-025C
- **IDN 120° 025 (FOM)** = IDN 120-025

**Matching air-injector off center nozzles ID, see page 34**

**BCPC/ASAE**

**Droplet size classification**

- **Very fine**
- **Fine**
- **Medium**
- **Coarse**
- **Very coarse**
- **Extreme Coarse**

Classifications are subject to change.

*Spray pressure at the nozzle tip (gauged with a diaphragm valve).*

*The stated liter-per-hectare rates apply to water.*

*Prior to each spraying season, verify the table data by gauging the flow rates.*

*Make sure that all nozzles have the same settings.*

*2.0 bar only for IDN*