

# Schlick Anti-Bearding Technology Pro ABC



## Areas of application:

- Gluing
- Humidifying
- Treating
- Moistening

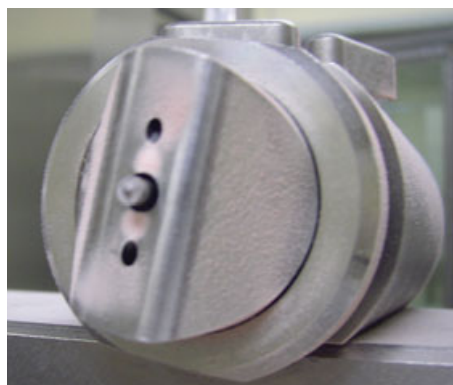
## Schlick Anti-Bearding Technology

- The newly developed Schlick anti-bearding technology offers optimum operating security.
- The patented air cap for flat jet two-substance nozzles, the so-called "Anti-Bearding Cap" (ABC), crucially prevents turbulence in the area of the air cap and the nozzle exit, by means of its novel rounded shape.
- Build-up, caking, „bearding“ or clogging of the nozzle exit are prevented as far as possible in this way.
- Interruptions to the spraying process, as a consequence of cleaning work on the nozzle, are almost completely omitted.
- The Schlick ABC spray features an exceedingly homogenous liquid distribution, in a simultaneously very fine, uniform and reproducible drop size distribution.



**Conventional flat jet nozzle**

- Air cap with „horns“
- Typical bearding
- Air ducts are clogged
- Spraying pattern is impaired



**Schlick Pro ABC nozzle**

- Anti-bearding cap (ABC) without „horns“
- No bearding, only fine coating
- Free air ducts
- Optimal spraying pattern

A comparison of the flow patterns reveals that the dust particle flow (simulated here in the form of fog) stays away

from the anti-bearding cap better than it does from the conventional flat jet cap.



**Standard Flat Jet Cap**



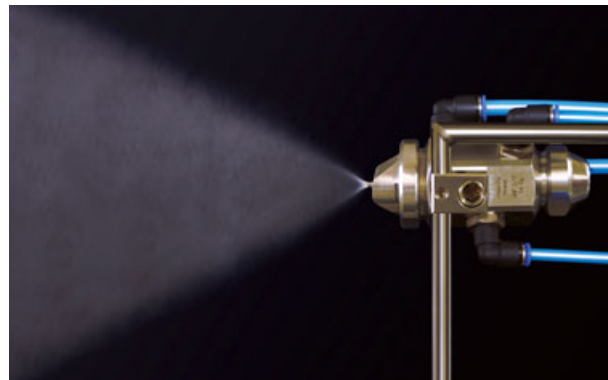
**Anti-Bearding Cap (ABC)**

## Pro ABC – the nozzle for industrial applications

The Schlick Pro ABC is the answer to the multitude of multifaceted requirements in industrial production. Due to the successful adaptation of the Schlick anti-bearding concept, many industrial sectors now have an economical, state-of-the-art nozzle solution at their disposal.

**Schlick Pro ABC nozzles are characterised by:**

- A high level of operating security because there is no caking on the air cap. Therefore, no intermediate cleaning is required.
- An exceedingly homogenous spraying pattern
- Simple construction consisting of 7 individual parts + O rings
- A pneumatically controlled cleaning needle
- Manual assembly / disassembly
- Simple operation
- Standard material: brass, other materials on request



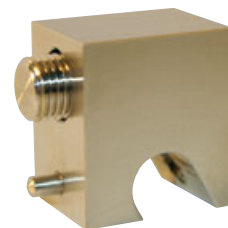
**Model 930 Design 7-1 Pro ABC**

Atomising design:	Elliptical flat jet
Spray cone:	approx. 70°
Bore diameter:	0.8 - 2.3 mm
Flow rate area:	50 - 1000 g/min
Characteristics:	Shared connection for atomising air and pattern air Pneumatic on / off control with cleaning needle



**Fastening options for Pro ABC nozzle**

Fixing block for fixing to a post, standard diameter 10mm.  
Alternatively available: Thread



**Areas of application - examples of applications**

- Gluing of fabrics and non-woven materials
- Humidification i.e. of goods tracks, bonds, bulk goods, non-woven materials
- Treatment i.e. of clamping plates
- Moistening i.e. of goods tracks, bonds, bulk goods
- Cooling i.e. of rollers

## Service spectrum

### Pilot test laboratory

Before any new spray nozzles are used we subject them to comprehensive trials in our own test laboratory – if need be to your operational parameters. During these tests, we precisely determine droplet size, velocities and flow densities with our modern DUAL PDA laser-measuring equipment.



### Test nozzles

Schlick spray nozzles are world renowned for highest precision. We can offer you the best and most lasting solution to your requirements. And, if you want, we can supply you with test nozzles in advance – just contact us.

### Engineering

Take advantage of our comprehensive expertise – from design to installation – the conception of new products or

the optimisation of existing plant. We would be glad to help you improve the success of your operation.

### Repair service

As well as competent advice and its inception, you can profit from an efficient after-sales service that guarantees long-term supply of all products. We carry out both repair and conversion of Schlick spray nozzles, and in emergency, we can supply spare parts quickly and reliably.

### Onsite service

If required we will investigate and develop an optimal solution to suit individual requirements onsite. We will advise you and give you support during installation and initial start-up of the plant. A further plus is the help available from our worldwide technical field service network.

### Custom products

As one of the leading spray nozzle manufacturers in Europe, we can offer both high quality standard solutions and are in the position of developing customised products for individual tasks as fast as possible, even for small production runs.



### Documentation to the customer's requirements

Reliability and quality are the basis for successful cooperation with our international customers. This applies both to our products and to our service. If you wish, we will supply you with all necessary documentation such as technical handbooks for the nozzles (drawings, flow diagrams, installation and operating instructions) together with factory and material specifications.



All specifications are subject to change (flow rates/dimensions).

The performance/flow rate specifications quoted are descriptive or product identities and can vary by up to ±5 percent on delivery.



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