



# Flat fan nozzle tips for conveyor lubrication

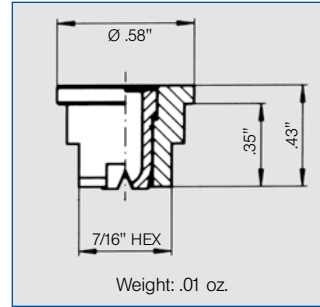
## Series 652. xxx. 8H. 03



**Especially low flow rates. Parabolic liquid distribution**

**Applications:**

- Belt lubrication
- Spraying of food products
- Oiling of metal sheets



**Operating pressure range:**  
14.5 to 72.5 psi

**Recommended operating pressure:**  
45 psi

**Viscosity:**  
The nozzles can be operated with viscous media, e.g. transmission fluid (max. approx. 200 mPas). However the spray angle decreases.

| Spray angle | Ordering no. |              |                      |     | Color  | Free Passage (in.) | Flow Rate (Gallons Per Minute) |                   |       |        |        |
|-------------|--------------|--------------|----------------------|-----|--------|--------------------|--------------------------------|-------------------|-------|--------|--------|
|             | Type         | Mat. no.     |                      |     |        |                    | 15 psi                         | liters per minute | 2 bar | 45 psi | 75 psi |
|             |              | 303 SS<br>16 | POM/303 SS<br>8H.03* | POM |        |                    |                                |                   |       |        |        |
| 75°         | 652. 145     | ○            | ○                    | ○   | green  | .012               | .011                           | .050              | .016  | .021   |        |
|             | 652. 165     | ○            | ○                    | ○   | black  | .013               | .013                           | .070              | .023  | .030   |        |
|             | 652. 185     | ○            | ○                    | ○   | red    | .008               | .016                           | .080              | .026  | .034   |        |
|             | 652. 215     | ○            | ○                    | ○   | blue   | .008               | .021                           | .110              | .036  | .050   |        |
|             | 652. 245     | ○            | ○                    | ○   | orange | .012               | .032                           | .160              | .050  | .070   |        |
| 120°        | 652. 275     | ○            | ○                    | ○   | brown  | .012               | .042                           | .220              | .070  | .090   |        |
|             | 652. 187     | ○            | ○                    | ○   | grey   | .008               | .060                           | .080              | .026  | .034   |        |
|             | 652. 247     | ○            | ○                    | ○   | black  | .008               | .120                           | .160              | .050  | .070   |        |
|             | 652. 277     | ○            | ○                    | ○   | black  | .012               | .160                           | .220              | .070  | .090   |        |

\* Housing POM, nozzle insert 303 SS

**Return valve with gauze filter:**

- Prevents dripping and saves medium
- Size of filter mesh: .003 in. (200 mesh)
- **095.016.53.11.00**  
Opening pressure: approx. 7 psi  
Closing pressure: approx. 4 psi
- **095.016.53.14.63**  
Opening pressure: approx. 40 psi  
Closing pressure: approx. 23 psi

Flat fan

| Pos. | Name                           | Ordering no.                 | Material    | Dimensions (in.) |      |     | Hex/Flats (in.) | **   |
|------|--------------------------------|------------------------------|-------------|------------------|------|-----|-----------------|------|
|      |                                |                              |             | L                | L1   |     |                 |      |
| 1    | Gauze filter with return valve | 095. 016. 53. 11. 00         | PP          | .83              | .06  | -   | -               | .003 |
|      |                                | 095. 016. 53. 14. 63         | PP          | .83              | .06  | -   | -               | .003 |
| 2    | Gasket                         | 065. 240. 55                 | PTFE        | -                | -    | -   | -               | -    |
|      |                                | 065. 240. 72                 | EWP 210     | -                | -    | -   | -               | -    |
| 3    | Nozzle                         | Ordering no. see flow tables | 303 SS      | 11               | 9    | .39 | -               | -    |
|      |                                |                              | POM/303 SS* | 12               | 10   | .32 | -               | -    |
| 4    | Cap nut                        | 065. 200. 16                 | 303 SS      | 13               | 10   | .32 | -               | -    |
|      |                                | 065. 200. 56                 | POM         | 14.5             | 11.5 | .87 | -               | -    |

\* Housing POM, Nozzle insert 303 SS

\*\* Size of mesh

