

# AD anti-drift flat spray nozzles

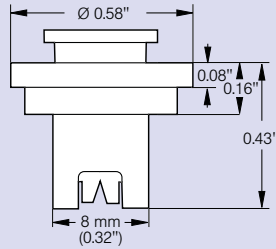
Spray angle: 110°  
 90°, 120° available upon request  
 Material: POM, POM/Ceramic



AD



AD-C



### Features

- One-piece nozzle with removable insert and integrated pre-chamber
- **Low drift potential**
- Medium to coarse droplet size
- Best performance range 20-90 psi for row crops 30-290 psi for orchard, vineyard and grove crops
- Fits 8 mm cap, part number Y8253048 series

### Range of application

Herbicides, fungicides, insecticides, plant growth regulators, and liquid fertilizer (up to 35 psi)



Cleaning brush for AD nozzles  
 Order no. 06A.D30.56.00



### Integrated pre-chamber for optimal droplet size characteristics

The special design of the pre-chamber inflow section reduces the number of undesirable fine droplets. Within the pre-chamber itself, the pressure is dissipated before the liquid emerges.

| ASABE S-572           | psi  | Capacity per nozzle |        | Gallons/Acre |       |       |       |       |       |        |        |        |        |        |
|-----------------------|------|---------------------|--------|--------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
|                       |      | gpm                 | oz/min | 4 mph        | 5 mph | 6 mph | 7 mph | 8 mph | 9 mph | 10 mph | 12 mph | 14 mph | 16 mph | 18 mph |
| AD 110-015 (50/100 M) | M 30 | 0.13                | 17     | 9.7          | 7.7   | 6.4   | 5.5   | 4.8   | 4.3   | 3.9    | 3.2    | 2.8    | 2.4    | 2.1    |
|                       | M 40 | 0.15                | 19     | 11.1         | 8.9   | 7.4   | 6.4   | 5.6   | 5     | 4.5    | 3.7    | 3.2    | 2.8    | 2.5    |
|                       | M 50 | 0.17                | 22     | 12.6         | 10.1  | 8.4   | 7.2   | 6.3   | 5.6   | 5      | 4.2    | 3.6    | 3.2    | 2.8    |
|                       | F 60 | 0.18                | 23     | 13.4         | 10.7  | 8.9   | 7.6   | 6.7   | 5.9   | 5.3    | 4.5    | 3.8    | 3.3    | 3      |
|                       | F 70 | 0.2                 | 26     | 14.9         | 11.9  | 9.9   | 8.5   | 7.4   | 6.6   | 5.9    | 5      | 4.2    | 3.7    | 3.3    |
|                       | F 80 | 0.21                | 27     | 15.6         | 12.5  | 10.4  | 8.9   | 7.8   | 6.9   | 6.2    | 5.2    | 4.5    | 3.9    | 3.5    |
| AD 110-02 (50 M)      | F 90 | 0.23                | 29     | 17.7         | 13.7  | 11.4  | 9.8   | 8.5   | 7.6   | 6.8    | 5.7    | 4.9    | 4.3    | 3.8    |
|                       | M 30 | 0.17                | 22     | 12.6         | 10.1  | 8.4   | 7.2   | 6.3   | 5.6   | 5      | 4.2    | 3.6    | 3.2    | 2.8    |
|                       | M 40 | 0.2                 | 26     | 14.9         | 11.9  | 9.9   | 8.5   | 7.4   | 6.6   | 5.9    | 5      | 4.2    | 3.7    | 3.3    |
|                       | M 50 | 0.22                | 28     | 16.3         | 13.1  | 10.9  | 9.3   | 8.2   | 7.3   | 6.5    | 5.4    | 4.7    | 4.1    | 3.6    |
|                       | M 60 | 0.24                | 31     | 17.8         | 14.3  | 11.9  | 10.2  | 8.9   | 7.9   | 7.1    | 5.9    | 5.1    | 4.5    | 4      |
|                       | F 70 | 0.26                | 33     | 19.3         | 15.4  | 12.9  | 11    | 9.7   | 8.6   | 7.7    | 6.4    | 5.5    | 4.8    | 4.3    |
| AD 110-03 (50 M)      | F 80 | 0.28                | 36     | 21           | 16.6  | 13.9  | 11.9  | 10.4  | 9.2   | 8.3    | 6.9    | 5.9    | 5.2    | 4.6    |
|                       | F 90 | 0.3                 | 38     | 22           | 17.8  | 14.9  | 12.7  | 11.1  | 9.9   | 8.9    | 7.4    | 6.4    | 5.6    | 5      |
|                       | C 30 | 0.26                | 33     | 19.3         | 15.4  | 12.9  | 11    | 9.7   | 8.6   | 7.7    | 6.4    | 5.5    | 4.8    | 4.3    |
|                       | C 40 | 0.3                 | 38     | 22           | 17.8  | 14.9  | 12.7  | 11.1  | 9.9   | 8.9    | 7.4    | 6.4    | 5.6    | 5      |
|                       | M 50 | 0.34                | 44     | 25           | 20    | 16.8  | 14.4  | 12.6  | 11.2  | 10.1   | 8.4    | 7.2    | 6.3    | 5.6    |
|                       | M 60 | 0.37                | 47     | 27           | 22    | 18.3  | 15.7  | 13.7  | 12.2  | 11     | 9.2    | 7.8    | 6.9    | 6.1    |
| AD 110-04 (50 M)      | M 70 | 0.4                 | 51     | 30           | 24    | 19.8  | 17    | 14.9  | 13.2  | 11.9   | 9.9    | 8.5    | 7.4    | 6.6    |
|                       | M 80 | 0.42                | 54     | 31           | 25    | 21    | 17.8  | 15.6  | 13.9  | 12.5   | 10.4   | 8.9    | 7.8    | 6.9    |
|                       | F 90 | 0.45                | 58     | 33           | 27    | 22    | 19.1  | 16.7  | 14.9  | 13.4   | 11.1   | 9.5    | 8.4    | 7.4    |
|                       | C 30 | 0.35                | 45     | 26           | 21    | 17.3  | 14.9  | 13    | 11.6  | 10.4   | 8.7    | 7.4    | 6.4    | 5.8    |
|                       | C 40 | 0.4                 | 51     | 30           | 24    | 19.8  | 17    | 14.9  | 13.2  | 11.9   | 9.9    | 8.5    | 7.4    | 6.6    |
|                       | C 50 | 0.45                | 58     | 33           | 27    | 22    | 19.1  | 16.7  | 14.9  | 13.4   | 11.1   | 9.5    | 8.4    | 7.4    |
| AD 110-04 (50 M)      | M 60 | 0.49                | 63     | 36           | 29    | 24    | 21    | 18.2  | 16.2  | 14.6   | 12.1   | 10.4   | 9.1    | 8.1    |
|                       | M 70 | 0.53                | 68     | 39           | 31    | 26    | 22    | 19.7  | 17.5  | 15.7   | 13.1   | 11.2   | 9.8    | 8.7    |
|                       | M 80 | 0.57                | 73     | 42           | 34    | 28    | 24    | 21    | 18.8  | 16.9   | 14.1   | 12.1   | 10.6   | 9.4    |
|                       | M 90 | 0.6                 | 77     | 45           | 36    | 30    | 25    | 22    | 19.8  | 17.8   | 14.9   | 12.7   | 11.1   | 9.9    |

### Sample order

Type + spray angle + nozzle size + material = order number  
 AD 110° 02 POM = AD 110-02  
 AD 110° 02 C (Ceramic) = AD 110-02 C

### ASABE S-572

#### Droplet size classification

- VF Very fine
- F Fine
- M Medium
- C Coarse
- VC Very coarse
- EC Extremely coarse

Classifications are subject to change

