

## AA 系列转角型喷嘴

### 空心锥形喷嘴/转角型



内螺纹(A)



外螺纹(AA)

AA/A 系列金属喷嘴的特点是能产生空心锥形喷雾形状, 喷射区域成环形, 喷雾角度为51°-114°。

该类喷嘴能在大范围的流率和压力下产生分布均匀, 液滴大小为小到中等的喷雾。即使是在低压条件下, AA/A 系列金属喷嘴亦能对液体进行良好的雾化应用极产生极佳效果。对于要求快速热交换或要求有效的空悬液滴的冲击应用中, 这种效果尤其明显。

AA/A 系列金属喷嘴具有独特的旋流腔结构, 其大而通畅的流通道, 能减少或消除阻塞现象。

AA 系列金属喷嘴为外螺纹接头, A 系列金属喷嘴为内螺纹接头。

### 一般应用

- 气体洗涤与冷却
- 水冷却
- 灭尘控制
- 金属处理
- 化学反应处理
- 其它热交换应用

### 订购信息

**AA 1/4—SS 10**

↓   ↓   ↓   ↓  
喷嘴   入口   材料   流量  
型号   接头   代码   代码

备注: BRASS—黄铜

SS— 不锈钢

316SS—316 不锈钢



发电厂脱硫塔喷淋



汽车喷漆前处理喷淋

### 标准角

### 性能数据

| 喷嘴入口接头 | 流量代码 | 喷嘴型号 |   | 材料代码  |    |       | 主体入口直径 (毫米) | 额定喷嘴孔径 (毫米) | 流量 (升/分钟) |      |      |      |      |      |      |      |      |      |      |      | 喷射角度 |  |  |
|--------|------|------|---|-------|----|-------|-------------|-------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
|        |      | AA   | A | BRASS | SS | 316SS |             |             | 0.2巴      | 0.5巴 | 1巴   | 1.5巴 | 2巴   | 3巴   | 4巴   | 5巴   | 6巴   | 7巴   | 0.5巴 | 1.5巴 | 6巴   |  |  |
|        |      |      |   |       |    |       |             |             |           |      |      |      |      |      |      |      |      |      |      |      |      |  |  |
| 1/8    | 0.5  | ●    | ● | ●     | ●  | ●     | 0.79        | 1.2         |           | 0.16 | 0.23 | 0.28 | 0.32 | 0.39 | 0.46 | 0.51 | 0.56 | 0.60 |      | 58°  | 69°  |  |  |
|        | 1    | ●    | ● | ●     | ●  | ●     | 1.6         | 1.6         |           | 0.32 | 0.46 | 0.56 | 0.64 | 0.79 | 0.91 | 1.0  | 1.1  | 1.2  |      | 64°  | 76°  |  |  |
|        | 2    | ●    | ● | ●     | ●  | ●     | 2.0         | 2.0         |           | 0.64 | 0.91 | 1.1  | 1.3  | 1.6  | 1.8  | 2.0  | 2.2  | 2.4  | 52°  | 61°  | 69°  |  |  |
|        | 3    | ●    | ● | ●     | ●  | ●     | 2.4         | 2.4         |           | 0.97 | 1.4  | 1.7  | 1.9  | 2.4  | 2.7  | 3.1  | 3.3  | 3.6  | 52°  | 64°  | 77°  |  |  |
|        | 5    | ●    | ● | ●     | ●  | ●     | 3.2         | 3.2         | 1.0       | 1.6  | 2.3  | 2.8  | 3.2  | 3.9  | 4.6  | 5.1  | 5.6  | 6.0  | 56°  | 67°  | 76°  |  |  |
|        | 8    | ●    | ● | ●     | ●  | ●     | 4.0         | 4.0         | 1.6       | 2.6  | 3.6  | 4.5  | 5.2  | 6.3  | 7.3  | 8.2  | 8.9  | 9.6  | 56°  | 65°  | 70°  |  |  |
| 10     | ●    | ●    | ● | ●     | ●  | 4.4   | 4.4         | 2.0         | 3.2       | 4.6  | 5.6  | 6.4  | 7.9  | 9.1  | 10.2 | 11.2 | 12.1 | 55°  | 65°  | 72°  |      |  |  |
| 1/4    | 1    | ●    | ● | ●     | ●  | ●     | 1.6         | 1.6         |           | 0.46 | 0.56 | 0.64 | 0.79 | 0.91 | 1.0  | 1.1  | 1.2  |      | 53°  | 67°  |      |  |  |
|        | 2    | ●    | ● | ●     | ●  | ●     | 2.0         | 2.0         |           | 0.91 | 1.1  | 1.3  | 1.6  | 1.8  | 2.0  | 2.2  | 2.4  |      | 62°  | 71°  |      |  |  |
|        | 3    | ●    | ● | ●     | ●  | ●     | 2.4         | 2.4         |           | 0.97 | 1.4  | 1.7  | 1.9  | 2.4  | 2.7  | 3.1  | 3.3  | 3.6  | 51°  | 65°  | 78°  |  |  |
|        | 5    | ●    | ● | ●     | ●  | ●     | 3.6         | 3.6         | 1.0       | 1.6  | 2.3  | 2.8  | 3.2  | 3.9  | 4.6  | 5.1  | 5.6  | 6.0  | 63°  | 73°  | 79°  |  |  |
|        | 8    | ●    | ● | ●     | ●  | ●     | 4.0         | 4.0         | 1.6       | 2.6  | 3.6  | 4.5  | 5.2  | 6.3  | 7.3  | 8.2  | 8.9  | 9.6  | 61°  | 69°  | 73°  |  |  |
|        | 10   | ●    | ● | ●     | ●  | ●     | 4.8         | 4.4         | 2.0       | 3.2  | 4.6  | 5.6  | 6.4  | 7.9  | 9.1  | 10.2 | 11.2 | 12.1 | 63°  | 70°  | 74°  |  |  |
| 3/8    | 15   | ●    | ● | ●     | ●  | ●     | 5.9         | 5.2         | 3.1       | 4.8  | 6.8  | 8.4  | 9.7  | 11.8 | 13.7 | 15.1 | 16.7 | 18.1 | 63°  | 71°  | 72°  |  |  |
|        | 5    | ●    | ● | ●     | ●  | ●     | 3.6         | 3.2         | 1.0       | 1.6  | 2.3  | 2.8  | 3.2  | 3.9  | 4.6  | 5.1  | 5.6  | 6.0  | 64°  | 73°  | 79°  |  |  |
|        | 8    | ●    | ● | ●     | ●  | ●     | 4.4         | 4.0         | 1.6       | 2.6  | 3.6  | 4.5  | 5.2  | 6.3  | 7.3  | 8.2  | 8.9  | 9.6  | 62°  | 70°  | 74°  |  |  |
|        | 10   | ●    | ● | ●     | ●  | ●     | 5.2         | 4.4         | 2.0       | 3.2  | 4.6  | 5.6  | 6.4  | 7.9  | 9.1  | 10.2 | 11.2 | 12.1 | 64°  | 72°  | 75°  |  |  |
|        | 15   | ●    | ● | ●     | ●  | ●     | 5.9         | 5.6         | 3.1       | 4.6  | 6.8  | 8.4  | 9.7  | 11.8 | 13.7 | 15.3 | 16.7 | 18.1 | 64°  | 72°  | 74°  |  |  |
|        | 20   | ●    | ● | ●     | ●  | ●     | 7.1         | 6.4         | 4.1       | 6.4  | 9.1  | 11.2 | 12.9 | 15.8 | 18.2 | 20   | 22   | 24   | 63°  | 70°  | 74°  |  |  |
| 1/2    | 25   | ●    | ● | ●     | ●  | ●     | 7.5         | 7.5         | 5.1       | 8.1  | 11.4 | 14.0 | 16.1 | 19.7 | 23   | 25   | 28   | 30   | 63°  | 70°  | 74°  |  |  |
|        | 30   | ●    | ● | ●     | ●  | ●     | 8.3         | 7.9         | 6.1       | 9.7  | 13.7 | 16.7 | 19.3 | 24   | 27   | 31   | 33   | 36   | 63°  | 70°  | 74°  |  |  |
|        | 25   | ●    | ● | ●     | ●  | ●     | 9.5         | 6.4         | 5.1       | 8.1  | 11.4 | 14.0 | 16.1 | 19.7 | 23   | 25   | 28   | 30   | 63°  | 66°  | 71°  |  |  |
|        | 30   | ●    | ● | ●     | ●  | ●     | 9.5         | 7.5         | 6.1       | 9.7  | 13.7 | 16.7 | 19.3 | 24   | 27   | 31   | 33   | 36   | 67°  | 71°  | 75°  |  |  |
|        | 40   | ●    | ● | ●     | ●  | ●     | 9.5         | 9.1         | 8.2       | 12.9 | 18.2 | 22   | 26   | 32   | 36   | 41   | 45   | 48   | 72°  | 76°  | 78°  |  |  |
|        | 50   | ●    | ● | ●     | ●  | ●     | 9.5         | 11.1        | 10.2      | 16.1 | 23   | 28   | 32   | 39   | 46   | 51   | 56   | 60   | 74°  | 79°  | 82°  |  |  |
| 60     | ●    | ●    | ● | ●     | ●  | 9.5   | 13.1        | 12.2        | 19.3      | 27   | 33   | 39   | 47   | 55   | 61   | 67   | 72   | 77°  | 82°  | 86°  |      |  |  |

### 广角

| 喷嘴<br>入口<br>接头 | 流量<br>代码 | 喷嘴<br>型号 |   | 材料代码  |    |       | 主体<br>入口<br>直径<br>(毫米) | 额定<br>喷嘴<br>孔径<br>(毫米) | 流量 ( 升/分钟 ) |          |        |          |        |        |        |        |        |        |          |          | 喷射角度   |      |      |  |
|----------------|----------|----------|---|-------|----|-------|------------------------|------------------------|-------------|----------|--------|----------|--------|--------|--------|--------|--------|--------|----------|----------|--------|------|------|--|
|                |          | AA       | A | BRASS | SS | 316SS |                        |                        | 0.2<br>巴    | 0.5<br>巴 | 1<br>巴 | 1.5<br>巴 | 2<br>巴 | 3<br>巴 | 4<br>巴 | 5<br>巴 | 6<br>巴 | 7<br>巴 | 0.5<br>巴 | 1.5<br>巴 | 6<br>巴 |      |      |  |
|                |          |          |   |       |    |       |                        |                        |             |          |        |          |        |        |        |        |        |        |          |          |        |      |      |  |
| 1/8            | 0.5-0.5W | ●        | ● | ●     | ●  | ●     | 0.79                   | 1.2                    |             |          |        | 0.23     | 0.28   | 0.32   | 0.39   | 0.46   | 0.51   | 0.56   | 0.6      |          |        | 117° | 98°  |  |
|                | 1-1W     | ●        | ● | ●     | ●  | ●     | 1.6                    | 1.6                    |             |          |        | 0.46     | 0.56   | 0.64   | 0.79   | 0.91   | 1.0    | 1.1    | 1.2      |          |        | 125° | 110° |  |
|                | 2-3W     | ●        | ● | ●     | ●  | ●     | 2.0                    | 2.8                    |             | 0.81     | 1.1    | 1.4      | 1.6    | 2.0    | 2.3    | 2.5    | 2.8    | 2.9    | 114°     | 114°     | 97°    |      |      |  |
|                | 3-3W     | ●        | ● | ●     | ●  | ●     | 2.4                    | 2.8                    |             | 0.97     | 1.4    | 1.7      | 1.9    | 2.4    | 2.7    | 3.1    | 3.3    | 3.7    | 114°     | 114°     | 97°    |      |      |  |
|                | 3-5W     | ●        | ● | ●     | ●  | ●     | 2.4                    | 3.2                    |             | 1.1      | 1.5    | 1.9      | 2.2    | 2.7    | 3.1    | 3.5    | 3.8    | 4.0    | 116°     | 110°     | 95°    |      |      |  |
|                | 2-10W    | ●        | ● | ●     | ●  | ●     | 2.0                    | 4.4                    |             | 1.3      | 1.9    | 2.3      | 2.6    | 3.2    | 3.7    | 4.2    | 4.6    | 5.0    | 130°     | 135°     | 120°   |      |      |  |
|                | 5-5W     | ●        | ● | ●     | ●  | ●     | 3.2                    | 3.2                    |             | 1.6      | 2.3    | 2.8      | 3.2    | 3.9    | 4.6    | 5.1    | 5.5    | 6.1    | 116°     | 110°     | 92°    |      |      |  |
|                | 5-10W    | ●        | ● | ●     | ●  | ●     | 3.2                    | 4.4                    | 1.3         | 2.1      | 3.0    | 3.6      | 4.2    | 5.1    | 5.9    | 6.6    | 7.3    | 7.9    | 126°     | 121°     | 95°    |      |      |  |
| 1/4            | 8-10W    | ●        | ● | ●     | ●  | ●     | 4.0                    | 4.4                    | 1.8         | 2.9      | 4.1    | 5.0      | 5.8    | 7.1    | 8.2    | 9.2    | 10.0   | 10.8   | 124°     | 112°     | 90°    |      |      |  |
|                | 1-1W     | ●        | ● | ●     | ●  | ●     | 1.6                    | 1.6                    |             |          |        | 0.46     | 0.56   | 0.64   | 0.79   | 0.91   | 1.0    | 1.1    | 1.2      |          |        | 117° | 111° |  |
|                | 1-5W     | ●        | ● | ●     | ●  | ●     | 1.6                    | 3.2                    |             |          |        | 0.77     | 0.95   | 1.1    | 1.3    | 1.5    | 1.7    | 1.9    | 2.0      |          |        | 123° | 124° |  |
|                | 1-10W    | ●        | ● | ●     | ●  | ●     | 1.6                    | 4.4                    |             |          |        | 0.96     | 1.2    | 1.4    | 1.7    | 1.9    | 2.1    | 2.3    | 2.5      |          |        | 144° | 139° |  |
|                | 1-15W    | ●        | ● | ●     | ●  | ●     | 1.6                    | 5.6                    |             |          |        | 1.1      | 1.3    | 1.5    | 1.9    | 2.2    | 2.4    | 2.7    | 2.9      |          |        | 128° | 132° |  |
|                | 2-5W     | ●        | ● | ●     | ●  | ●     | 2.0                    | 3.2                    |             | 1.1      | 1.5    | 1.9      | 2.2    | 2.7    | 3.1    | 3.5    | 3.8    | 4.0    | 118°     | 123°     | 113°   |      |      |  |
|                | 2-10W    | ●        | ● | ●     | ●  | ●     | 2.0                    | 4.4                    |             | 1.3      | 1.9    | 2.3      | 2.6    | 3.2    | 3.7    | 4.2    | 4.6    | 5.0    | 138°     | 136°     | 126°   |      |      |  |
|                | 5-5W     | ●        | ● | ●     | ●  | ●     | 3.6                    | 3.2                    |             | 1.6      | 2.3    | 2.8      | 3.2    | 3.9    | 4.6    | 5.1    | 5.6    | 6.1    | 114°     | 113°     | 104°   |      |      |  |
|                | 5-10W    | ●        | ● | ●     | ●  | ●     | 3.6                    | 4.4                    | 1.3         | 2.1      | 3.0    | 3.6      | 4.2    | 5.1    | 5.9    | 6.6    | 7.3    | 7.9    | 130°     | 130°     | 119°   |      |      |  |
|                | 5-15W    | ●        | ● | ●     | ●  | ●     | 3.6                    | 5.6                    | 1.6         | 2.5      | 3.5    | 4.3      | 5.0    | 6.1    | 7.0    | 7.8    | 8.6    | 9.3    | 130°     | 132°     | 120°   |      |      |  |
|                | 8-10W    | ●        | ● | ●     | ●  | ●     | 4.0                    | 4.4                    | 1.8         | 2.9      | 4.1    | 5.0      | 5.8    | 7.1    | 8.2    | 9.2    | 10.0   | 10.8   | 129°     | 122°     | 103°   |      |      |  |
|                | 10-10W   | ●        | ● | ●     | ●  | ●     | 4.8                    | 4.4                    | 2.0         | 3.2      | 4.6    | 5.6      | 6.4    | 7.9    | 9.1    | 10.2   | 11.2   | 12.2   | 120°     | 108°     | 95°    |      |      |  |
|                | 8-15W    | ●        | ● | ●     | ●  | ●     | 4.0                    | 5.6                    | 2.2         | 3.5      | 5.0    | 6.1      | 7.1    | 8.7    | 10.0   | 11.2   | 12.3   | 13.2   | 129°     | 122°     | 107°   |      |      |  |
|                | 10-15W   | ●        | ● | ●     | ●  | ●     | 4.8                    | 5.6                    | 2.4         | 3.9      | 5.5    | 6.7      | 7.7    | 9.5    | 10.9   | 12.2   | 13.4   | 14.6   | 120°     | 108°     | 97°    |      |      |  |
| 15-15W         | ●        | ●        | ● | ●     | ●  | 4.0   | 5.6                    | 3.0                    | 4.8         | 6.8      | 8.4    | 9.7      | 11.8   | 13.7   | 15.3   | 16.7   | 18.0   | 101°   | 95°      | 90°      |        |      |      |  |
| 3/8            | 5-10W    | ●        | ● | ●     | ●  | ●     | 4.8                    | 4.4                    | 1.3         | 2.1      | 3.0    | 3.6      | 4.2    | 5.1    | 5.9    | 6.6    | 7.3    | 7.9    | 130°     | 123°     | 102°   |      |      |  |
|                | 5-15W    | ●        | ● | ●     | ●  | ●     | 6.0                    | 5.6                    | 1.6         | 2.5      | 3.5    | 4.3      | 5.0    | 6.1    | 7.0    | 7.8    | 8.6    | 9.3    | 138°     | 131°     | 112°   |      |      |  |
|                | 8-10W    | ●        | ● | ●     | ●  | ●     | 3.6                    | 4.4                    | 1.8         | 2.9      | 4.1    | 5.0      | 5.8    | 7.1    | 8.2    | 9.2    | 10.0   | 10.8   | 122°     | 110°     | 96°    |      |      |  |
|                | 10-10W   | ●        | ● | ●     | ●  | ●     | 3.6                    | 4.4                    | 2.0         | 3.2      | 4.6    | 5.6      | 6.4    | 7.9    | 9.1    | 10.2   | 11.2   | 12.2   | 116°     | 108°     | 93°    |      |      |  |
|                | 8-15W    | ●        | ● | ●     | ●  | ●     | 4.4                    | 5.6                    | 2.2         | 3.5      | 5.0    | 6.1      | 7.1    | 8.7    | 10.0   | 11.2   | 12.3   | 13.2   | 133°     | 120°     | 105°   |      |      |  |
|                | 10-15W   | ●        | ● | ●     | ●  | ●     | 5.2                    | 5.6                    | 2.4         | 3.9      | 5.5    | 6.7      | 7.7    | 9.5    | 10.9   | 12.2   | 13.4   | 14.6   | 126°     | 115°     | 100°   |      |      |  |
|                | 8-25W    | ●        | ● | ●     | ●  | ●     | 4.4                    | 7.5                    | 2.6         | 4.2      | 5.9    | 7.3      | 8.4    | 10.3   | 11.9   | 13.3   | 14.5   | 15.6   | 122°     | 118°     | 109°   |      |      |  |
|                | 10-20W   | ●        | ● | ●     | ●  | ●     | 5.2                    | 6.0                    | 2.9         | 4.5      | 6.4    | 7.8      | 9.0    | 11.1   | 12.8   | 14.3   | 15.6   | 16.9   | 118°     | 112°     | 102°   |      |      |  |
|                | 15-15W   | ●        | ● | ●     | ●  | ●     | 6.0                    | 5.6                    | 3.0         | 4.8      | 6.8    | 8.4      | 9.7    | 11.8   | 13.7   | 15.3   | 16.7   | 18.0   | 116°     | 106°     | 95°    |      |      |  |
|                | 15-20W   | ●        | ● | ●     | ●  | ●     | 6.0                    | 6.0                    | 3.4         | 5.5      | 7.7    | 9.5      | 11.0   | 13.4   | 15.5   | 17.3   | 16.0   | 20.4   | 113°     | 108°     | 98°    |      |      |  |
|                | 20-20W   | ●        | ● | ●     | ●  | ●     | 7.1                    | 6.0                    | 4.1         | 6.4      | 9.1    | 11.2     | 12.9   | 15.8   | 18.2   | 20     | 22     | 24.1   | 106°     | 102°     | 95°    |      |      |  |
|                | 15-30W   | ●        | ● | ●     | ●  | ●     | 6.0                    | 7.9                    | 4.5         | 7.1      | 10.0   | 12.3     | 14.2   | 17.4   | 20     | 22     | 25     | 26.5   | 116°     | 110°     | 102°   |      |      |  |
| 1/2            | 25-25W   | ●        | ● | ●     | ●  | ●     | 7.5                    | 7.5                    | 5.1         | 8.1      | 11.4   | 14.0     | 16.0   | 19.7   | 23     | 25     | 28     | 30.2   | 105°     | 100°     | 93°    |      |      |  |
|                | 25-30W   | ●        | ● | ●     | ●  | ●     | 7.5                    | 7.9                    | 5.7         | 9.0      | 12.8   | 15.6     | 18.0   | 22     | 26     | 29     | 31     | 33.9   | 105°     | 101°     | 94°    |      |      |  |
|                | 50-50W   | ●        | ● | ●     | ●  | ●     | 9.5                    | 11.1                   | 10.2        | 16.1     | 23     | 28       | 32     | 39     | 46     | 51     | 56     | 60.9   | 110°     | 102°     | 93°    |      |      |  |