

**TANKJET® 28500 & 28500-R  
FEATURES AND BENEFITS**

- Rotating nozzles for use with sanitary tubing resist harsh chemicals and provide excellent cleaning and more impact than static spray balls
- 28500-R nozzles conform to 3-A Sanitary Standard 78 for spray cleaning devices to remain in place (does not apply to horizontal mounting)
- Well-suited for clean-in-place systems; no motor source is needed as the reactionary force of the cleaning liquid rotates the spray head
- Threadless, tapered design promotes self-draining to prevent build-up on nozzle
- 28500-R rotating spray head is easily removable from the body for inspection and maintenance

**IDEAL FOR CLEANING:**

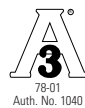
- Chemical tanks
- Dairy vats
- Food processing tanks
- Pharmaceutical vessels

**SPECIFICATIONS**

| TankJet® 28500 & 28500-R Tank Cleaning Nozzles |   |
|--|---|
| Max. tank diameter:                            | 5.5 m   |
| Operating principle:                           | Fluid-driven reactionary force  |
| Flow rate:                                     | 34 to 296 l/min   |
| Operating pressure:                            | 0.7 to 3.4 bar  |
| Max. temperature:                              | 93 °C   |
| Materials:                                     | Body, saucer & spacer – PTFE fluoropolymer resin<br>Locking pin – 316 stainless steel |
| Inlet connection:                              | 3/4", 1" and 1-1/2"<br>DN20, DN25 and DN40 sanitary tubing                            |
| Required strainer:                             | Recommended mesh size: < 150 µm<br>See chapter E                                      |



TankJet 28500-R



This unit meets the requirements of 3-A Sanitary Standard 78. Spray cleaning devices intended to remain in place.

| SPRAY COVERAGE |               |
|----------------|---------------|
| <b>A</b>       | 180° Up<br>   |
| <b>B</b>       | 180° Down<br> |
| <b>C</b>       | 270° Up<br>   |
| <b>D</b>       | 270° Down<br> |
| <b>E</b>       | 360°<br>      |

| MOUNTING OPTIONS |   |   |
|------------------|---|---|
| Vertical         | ↑ | ↓ |
| Horizontal       | ← | → |
| 45° Up           | ↖ | ↗ |
| 45° Down         | ↙ | ↘ |

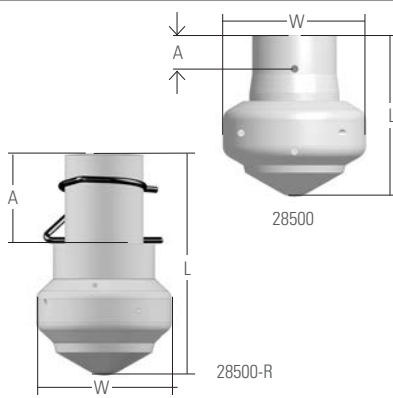
For lances, mounting kits, adapters and more, see chapter E



PERFORMANCE DATA

| Nozzle 28500  |               | Orifice Dia. (mm) | Liquid Flow Capacity (l/min) |         |         |         |         |
|---------------|---------------|-------------------|------------------------------|---------|---------|---------|---------|
| Nozzle Inlet  | Capacity Size |                   | 0.7 bar                      | 1.4 bar | 2.1 bar | 2.7 bar | 3.4 bar |
| 3/4 or DN20   | 18            | 2.3               | 34                           | 48      | 59      | 68      | 76      |
|               | 23            | 2.8               | 44                           | 62      | 75      | 87      | 98      |
|               | 32            | 3.9               | 61                           | 86      | 105     | 121     | 136     |
|               | 46            | 6.5               | 87                           | 123     | 151     | 174     | 195     |
| 1 or DN25     | 33            | 3.9               | 62                           | 87      | 110     | 125     | 140     |
|               | 50            | 5.3               | 95                           | 134     | 164     | 189     | 212     |
|               | 70            | 6.8               | 132                          | 187     | 229     | 265     | 296     |
| 1-1/2 or DN40 | 52            | 5.1               | 102                          | 140     | 174     | 201     | 223     |
|               | 70            | 6.8               | 132                          | 187     | 229     | 265     | 296     |

DIMENSIONS AND WEIGHTS

| TankJet® 28500 & 28500-R Tank Cleaning Nozzles                                     | Model | Inlet Conn. Size/Type in. | Inlet Dia. | W (mm) | L (mm) | A (mm) |
|--|-------|---------------------------|------------|--------|--------|--------|
|  | 28500 | 3/4                       | 0.76 in.   | 84.1   | 66.8   | 9.5    |
|  |       | DN20                      | 22.2 mm    |        |        |        |
|  |       | 1                         | 1.02 in.   | 97.0   | 73.2   | 12.7   |
|  |       | DN25                      | 28.2 mm    |        |        |        |
|  |       | 1-1/2                     | 1.52 in.   |        |        |        |
|  |       | DN40                      | 40.2 mm    | 109.7  | 111.3  | 19.1   |
| 28500-R  | 3/4   | 0.76 in.                  | 57.2       | 93.7   | 36.3   |        |
|  | DN20  | 22.2 mm                   |            |        |        |        |
|  | 1     | 1.02 in.                  | 69.9       | 104.9  | 38.1   |        |
|  | DN25  | 28.2 mm                   |            |        |        |        |
|  | 1-1/2 | 1.52 in.                  |            |        |        |        |
|  | DN40  | 40.2 mm                   | 92.2       | 136.7  | 44.5   |        |

Min. tank opening size is 64 to 114 mm depending on capacity size.

ORDERING INFORMATION

TANKJET 28500 AND 28500-R

|       |                |                       |                       |               |               |                              |
|-------|----------------|-----------------------|-----------------------|---------------|---------------|------------------------------|
| Model | Spray Coverage | Removable Spray Head* | Inlet Conn. Size/Type | Capacity Size | Material Code | EXAMPLE                      |
|       |                |                       |                       |               |               | 28500 E -R* - 3/4 - 23 - TEF |

\* -R for removable spray head. Leave blank for standard version.