

**TANKJET 27500 AND 27500-R TANK CLEANING NOZZLE
FEATURES AND BENEFITS**

- With rotation driven by the reactionary force of the cleaning liquid, these nozzles provide excellent cleaning and rinsing and are especially well-suited for clean-in-place (CIP) systems
- Spray angles range from 180° to 360° and can be used to clean specific areas or the entire tank interior
- Made of corrosion- and chemical-resistant PTFE fluoropolymer resin, both models provide peak performance when used with debris-free liquid and deliver greater impact than static spray balls
- 27500-R nozzles with removeable spray heads, 1/2 in. and 3/4 in. inlet connections, are also available in carbon-filled PTFE for improved thermal characteristics and higher mechanical strength. See page D4 and E4
- ATEX-certified versions available

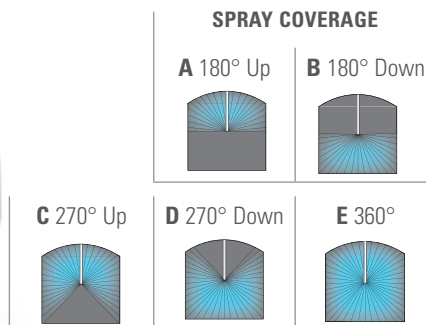


TankJet 27500
tank cleaning nozzle

TankJet 27500-R
tank cleaning nozzle,
see page D4 and E4



SPRAY COVERAGE



**MOUNTING
OPTIONS**

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

SPECIFICATIONS

| TankJet 27500 Tank Cleaning Nozzles | |
|-------------------------------------|---|
| Max. tank diameter: | 25 ft. (7.6 m) |
| Operating principle: | Fluid-driven reactionary force |
| Flow rate: | 125 to 391 gpm (475 to 1480 lpm) |
| Operating pressure: | 10 to 50 psi (0.7 to 3.4 bar) |
| Max. temperature: | 200°F (93°C) |
| Materials: | PTFE fluoropolymer resin |
| Inlet connection: | 3" NPT or BSPT (F) |
| Optional accessories: | Strainers, recommended mesh size: 100 (150 micron) See page G2 |

IDEAL FOR CLEANING:

- Broke chests
- Chemical tanks
- PCB washers
- Pharmaceutical tanks
- Process tanks

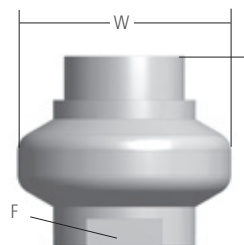
ADDITIONAL SIZES AVAILABLE

Page D4 – 3/4, 1 and 2 in. conn.
Page E4 – 3/8 and 1/2 in. conn.



DIMENSIONS AND WEIGHT

| Model | Inlet Conn. in. | W in. (mm) | L in. (mm) | F (Flats) in. (mm) |
|-------|--------------------|---------------|---------------|-----------------------|
| 27500 | 3 | 6.88 (174.6) | 5.88 (149.2) | 3.88 (98.4) |



Additional sizes available:
Page D4 – 3/4, 1 and 2 in. conn.
Page E4 – 3/8 and 1/2 in. conn.



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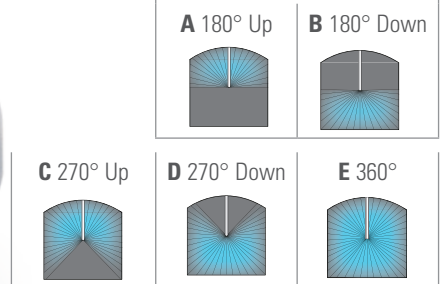


TankJet 27500 tank cleaning nozzle

TankJet 27500-R tank cleaning nozzle, see page D4 and E4



SPRAY COVERAGE



MOUNTING OPTIONS

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

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- Process tanks

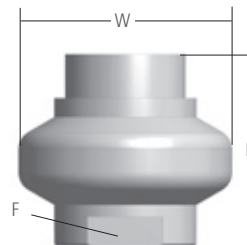
ADDITIONAL SIZES AVAILABLE

Page D4 – 3/4, 1 and 2 in. conn.
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DIMENSIONS AND WEIGHT

| Model | Inlet Conn. in. | W in. (mm) | L in. (mm) | F (Flats) in. (mm) |
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Additional sizes available:
Page D4 – 3/4, 1 and 2 in. conn.
Page E4 – 3/8 and 1/2 in. conn.



**TANKJET 27500 AND 27500-R
TANK CLEANING NOZZLE
FEATURES AND BENEFITS**

- With rotation driven by the reactionary force of the cleaning liquid, these rotating nozzles provide excellent cleaning and rinsing and are especially well-suited to clean-in-place (CIP) systems
- Spray angles range from 180° to 360° and can be used to clean specific areas or the entire tank interior
- Made of corrosion- and chemical-resistant PTFE fluoropolymer resin, both models offer peak performance when used with debris-free liquid and deliver greater impact than static spray balls
- The rotating spray heads on 27500-R nozzles can be easily removed from the body for inspection and maintenance
- 27500-R nozzles with 1/2 in. and 3/4 in. inlet connections are also available in carbon-filled PTFE for improved thermal characteristics and higher mechanical strength
- ATEX-certified versions available



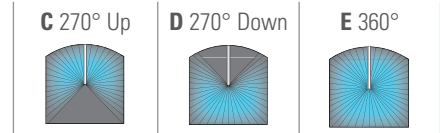
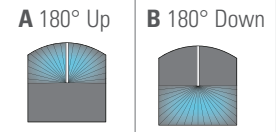
TankJet 27500
tank cleaning nozzle



TankJet 27500-R
tank cleaning nozzle



SPRAY COVERAGE



**MOUNTING
OPTIONS**

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

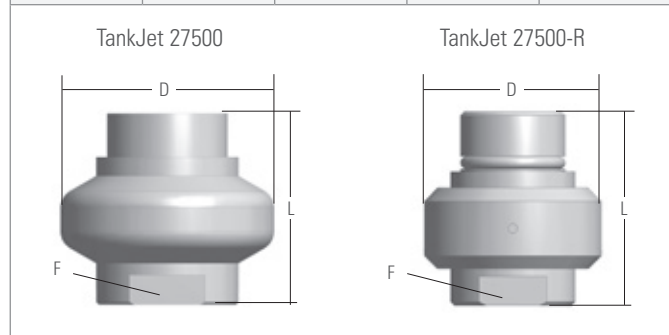
SPECIFICATIONS

| TankJet Tank Cleaning Nozzle | 27500 | 27500-R |
|------------------------------|---|-------------------------------------|
| Max. tank diameter: | 15 to 20 ft. (4.3 to 6.0 m) | 15 to 20 ft. (4.3 to 6.0 m) |
| Operating principle: | Fluid-driven reactionary force | Fluid-driven reactionary force |
| Flow rate: | 9.0 to 224 gpm (34 to 850 lpm) | 9.0 to 224 gpm (34 to 850 lpm) |
| Operating pressure: | 10.0 to 50 psi (0.7 to 3.4 bar) | 10.0 to 50 psi (0.7 to 3.4 bar) |
| Max. temperature: | 200°F (93°C) | 200°F (93°C) |
| Materials: | PTFE fluoropolymer resin or CTEF | PTFE fluoropolymer resin or CTEF |
| Inlet connection: | 3/4" to 2" NPT or BSPT (F) | 3/4" or 1" NPT or BSPT (F) |
| Optional accessories: | Strainers, recommended mesh size: 100 (150 micron) See page G2 | |

For lances, mounting kits, adapters and more,
see page G6

DIMENSIONS AND WEIGHT

| Model | Inlet Conn. in. | D (Dia.) in. (mm) | L in. (mm) | F (Flats) in. (mm) |
|-------------------|--------------------|----------------------|---------------|-----------------------|
| 27500, 27500-R | 3/4 | 2.25 (57.2) | 2.63 (66.6) | 1.31 (33.3) |
| 27500, 27500-R | 1 | 2.75 (69.8) | 3 (76.2) | 1.63 (41.3) |
| 27500 | 2 | 4.88 (123.8) | 4.38 (111) | 2.75 (69.8) |

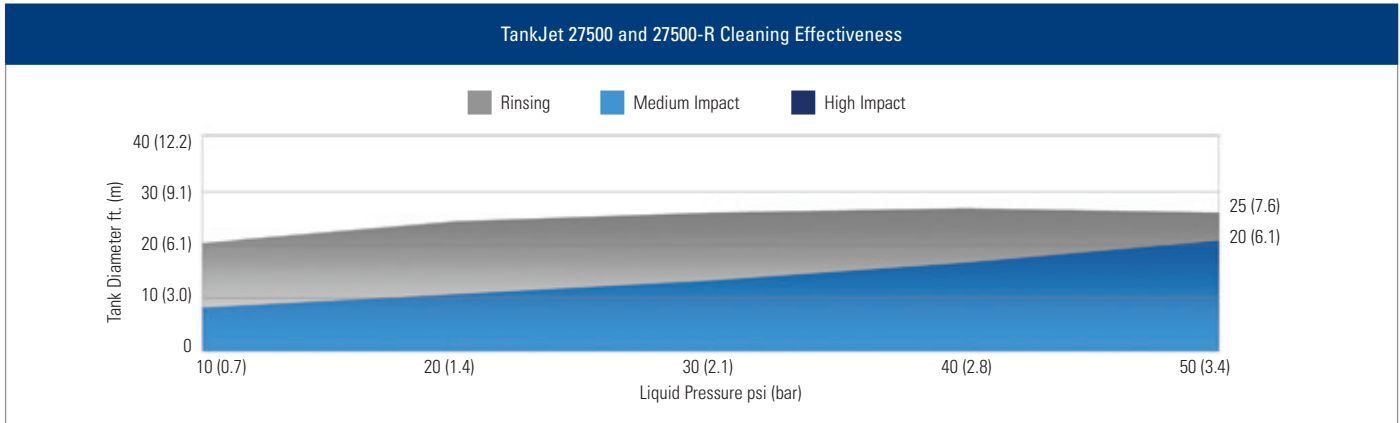


Additional sizes available:
Page C16 – 3 in. conn.
Page E4 – 3/8 and 1/2 in. conn.

IDEAL FOR CLEANING:

- Broke chests
- Chemical tanks
- PCB washers
- Pharmaceutical tanks
- Process tanks

PERFORMANCE DATA



| Model | | Inlet Conn. | Capacity Size | Orifice Dia. in. (mm) | Liquid Flow Capacity gpm (lpm) | | | | | Max. Tank Dia. ft. (m) |
|-------|---------|-------------|---------------|-----------------------|--------------------------------|------------------|------------------|------------------|------------------|------------------------|
| 27500 | 27500-R | | | | 10 psi (0.7 bar) | 20 psi (1.4 bar) | 30 psi (2.1 bar) | 40 psi (2.8 bar) | 50 psi (3.4 bar) | |
| • | • | 3/4 | 18 | 0.094 (2.4) | 9.0 (34) | 12.7 (48) | 15.6 (59) | 18 (68) | 20 (76) | 15 (4.3) |
| • | • | | 32 | 0.156 (4.0) | 16.0 (61) | 23 (89) | 28 (103) | 32 (126) | 36 (136) | 15 (4.3) |
| • | • | | 46 | 0.234 (6.0) | 23 (87) | 33 (130) | 40 (148) | 46 (182) | 51 (196) | 15 (4.3) |
| • | • | 1 | 50 | 0.156 (4.0) | 25 (95) | 35 (140) | 43 (161) | 50 (197) | 56 (215) | 18 (5.5) |
| • | • | | 70 | 0.219 (5.6) | 35 (133) | 49 (195) | 61 (225) | 70 (275) | 78 (300) | 18 (5.5) |
| • | • | | 90 | 0.297 (7.5) | 45 (172) | 64 (250) | 78 (290) | 90 (355) | 101 (385) | 18 (5.5) |
| • | • | 2 | 100 | 0.234 (6.0) | 50 (191) | 71 (280) | 87 (320) | 100 (395) | 112 (425) | 20 (6.0) |
| • | • | | 125 | 0.266 (6.7) | 63 (240) | 88 (350) | 108 (400) | 125 (495) | 140 (530) | 20 (6.0) |
| • | • | | 150 | 0.313 (7.9) | 75 (285) | 106 (420) | 130 (480) | 150 (590) | 168 (640) | 20 (6.0) |
| • | • | | 175 | 0.375 (9.5) | 88 (335) | 124 (490) | 152 (560) | 175 (690) | 196 (745) | 20 (6.0) |
| • | • | | 200 | 0.422 (10.7) | 100 (380) | 141 (560) | 173 (645) | 200 (790) | 224 (850) | 20 (6.0) |

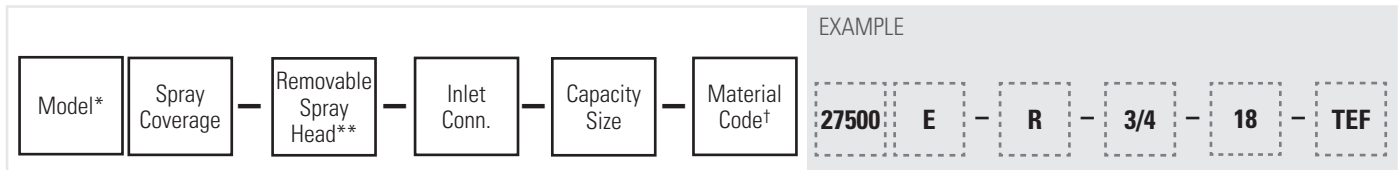
Suggested optimum operating range: 20 to 40 psi (1.5 to 2.8 bar).

ADDITIONAL SIZES AVAILABLE

Page C16 – 3 in. conn.
Page E4 – 3/8 and 1/2 in. conn.

ORDERING INFORMATION

TANKJET 27500 AND 27500-R TANK CLEANING NOZZLES



*Add B prior to the nozzle type for BSPT connections.
 **Leave blank for standard version.
 †Indicate CTEF for carbon-filled PTFE on 3/4 in. inlet connections for 27500-R.

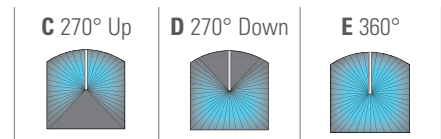
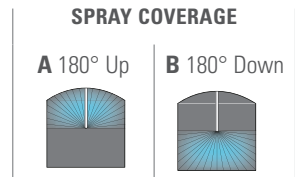


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- Spray angles range from 180° to 360° and can be used to clean specific areas or the entire tank interior
- Made of corrosion- and chemical-resistant PTFE fluoropolymer resin, both models provide peak performance when used with debris-free liquid and deliver greater impact than static spray balls
- The rotating spray heads on 27500-R nozzles can be easily removed from the body for inspection and maintenance
- 27500-R nozzles with removeable spray heads, 1/2 in. and 3/4 in. inlet connections, are also available in carbon-filled PTFE for improved thermal characteristics and higher mechanical strength.
- ATEX-certified versions available



TankJet 27500 tank cleaning nozzle



MOUNTING OPTIONS

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



TankJet 27500-R tank cleaning nozzle

SPECIFICATIONS

| TankJet 27500 and 27500-R Tank Cleaning Nozzles | |
|---|---|
| Max. tank diameter: | 10 ft. (3.0 m) |
| Operating principle: | Fluid-driven reactionary force |
| Flow rate: | 2.6 to 8.9 gpm (9.8 to 34 lpm) |
| Operating pressure: | 10 to 50 psi (0.7 to 3.4 bar) |
| Max. temperature: | 200°F (93°C) |
| Materials: | PTFE fluoropolymer resin or CTEF |
| Inlet connection: | 3/8" or 1/2" NPT or BSPT (F) |
| Optional accessories: | Strainers, recommended mesh size: 100 (150 micron) See page G2 |

DIMENSIONS AND WEIGHT

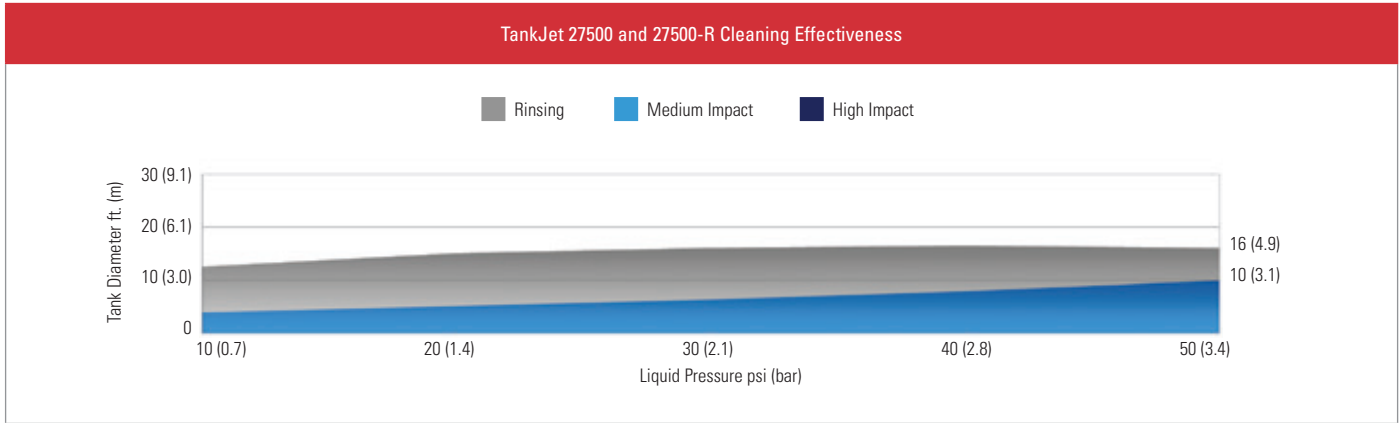
| Model | Inlet Conn. in. | D in. (mm) | L in. (mm) | F (Flats) in. (mm) |
|----------------|-----------------|-------------|-------------|--------------------|
| 27500-R | 3/8 | 1.69 (43) | 2.0 (51) | 0.94 (23.8) |
| 27500, 27500-R | 1/2 | 1.94 (49.2) | 2.38 (60.3) | 1.13 (28.6) |

Additional sizes available:
Page C16 – 3 in. conn.
Page D4 – 3/4, 1 and 2 in. conn.

IDEAL FOR CLEANING:

- Broke chests
- Chemical tanks
- PCB washers
- Pharmaceutical tanks
- Process tanks

PERFORMANCE DATA



| Model | | Inlet Conn. Size in. | Capacity Size | Orifice Dia. in. (mm) | Liquid Flow Capacity gpm (lpm)* | | | | | Max. Tank Dia. ft. (m) |
|-------|---------|----------------------|---------------|-----------------------|---------------------------------|------------------|------------------|------------------|------------------|------------------------|
| 27500 | 27500-R | | | | 10 psi (0.7 bar) | 20 psi (1.4 bar) | 30 psi (2.1 bar) | 40 psi (2.8 bar) | 50 psi (3.4 bar) | |
| | • | 3/8 | 5 | 0.052 (1.3) | 2.6 (9.8) | 3.8 (14.4) | 4.7 (17.8) | 5.4 (20.4) | 6.3 (23.8) | 10 (3.0) |
| | • | | 7 | 3/32 (2.4) | 3.7 (14.0) | 5.3 (20) | 6.2 (23.5) | 7.4 (28) | 8.2 (31) | 10 (3.0) |
| • | •* | 1/2 | 8 | 3/32 (2.4) | 4.0 (15.3) | 5.7 (22) | 6.9 (26) | 8.0 (30) | 8.9 (34) | 10 (3.0) |

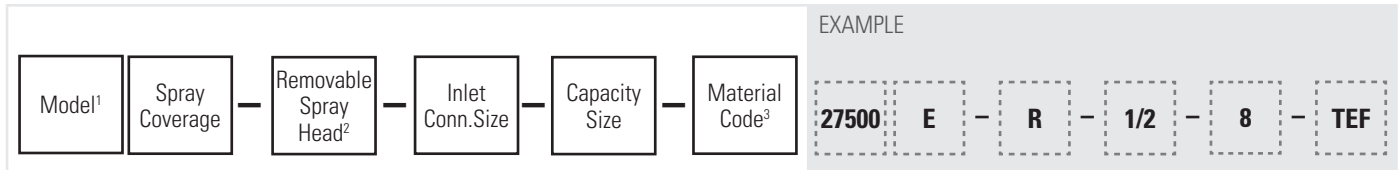
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