

**TANKJET AA090 TANK CLEANER
FEATURES AND BENEFITS**

- Versatile, high-impact tank cleaner provides efficient, consistent, reliable cleaning with virtually no maintenance
- Lightweight units can be installed permanently or easily moved from tank to tank
- Unit is constructed using corrosion-resistant materials with the motor positioned outside the tank away from harmful caustics for trouble-free operation and long service life
- Component and configuration options allow easy customization to meet the needs a variety of cleaning operations. Choices include:
 - Variable speed, CE-approved air (AG), electric (E), or explosion-proof (E-EP) electric motors
 - Shaft lengths from 1 ft. (0.3 m) up to 10 ft. (3 m)
 - Three nozzle capacity sizes
 - Optional adjustable flange for precise positioning of turret in tank
- Flange mounting options include: three-prong (standard), ASME® raised face, and sanitary tri-clamp

SPECIFICATIONS

| TankJet AA090 Tank Cleaner | |
|----------------------------|--|
| Max. tank diameter: | 16 ft. (4.9 m) |
| Operating principle: | Motor-driven |
| Flow rate: | 1.5 to 7.3 gpm (5.7 to 28 lpm) |
| Operating pressure: | 100 to 500 psi (6.9 to 34.5 bar) |
| Max. temperature: | 200°F (93°C) |
| Materials: | 316 stainless steel and carbon filled PTFE fluoropolymer resin seals |
| Inlet connection: | 1" NPT or BSPT (F) |
| Motor options: | Air, electric, explosion-proof electric |
| Optional accessories: | Strainers, recommended mesh size: 100 (150 micron) See page G2 |



HI
HIGH
IMPACT

**SPRAY
COVERAGE**

360°



**MOUNTING
OPTIONS**

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

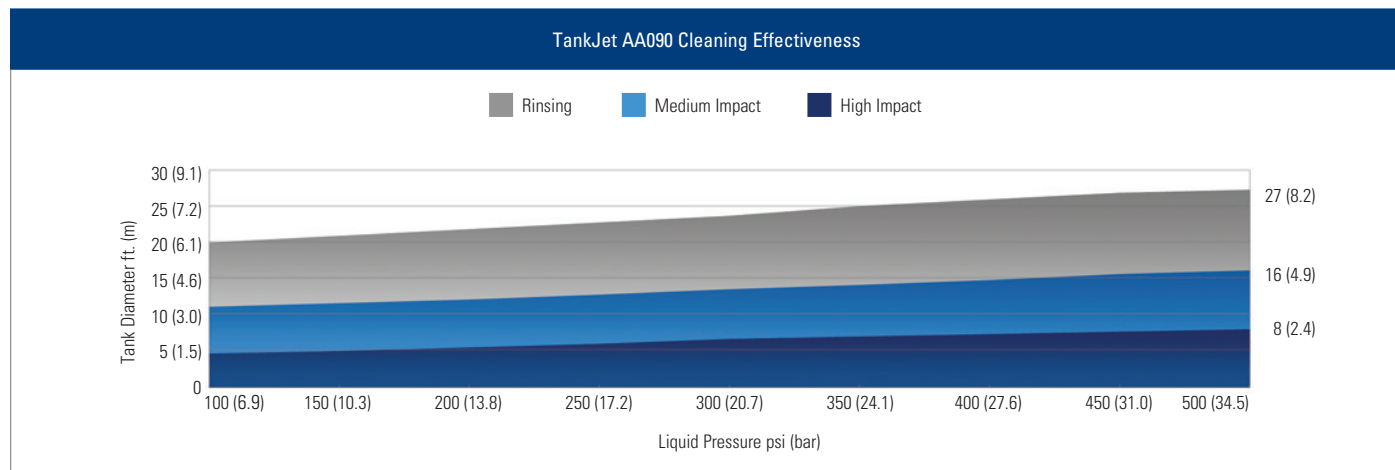


IDEAL FOR CLEANING:

- Drums
- Totes
- Process tanks

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

PERFORMANCE DATA



| Model | Nozzle Size | Total Flow of Equal Capacity, gpm (lpm)* Liquid Inlet Pressure | | | | |
|-------|-------------|---|--------------------|--------------------|--------------------|--------------------|
| | | 100 psi (6.9 bar) | 200 psi (13.8 bar) | 300 psi (20.7 bar) | 400 psi (27.6 bar) | 500 psi (34.5 bar) |
| AA090 | W0005 | 1.5 (5.7) | 2.0 (7.6) | 2.4 (9.1) | 2.8 (10.6) | 3.2 (12.1) |
| | W0010 | 2.7 (10.2) | 3.7 (14.0) | 4.5 (17.0) | 5.1 (19.3) | 5.8 (22.0) |
| | W0014 | 3.5 (13.2) | 4.7 (17.8) | 5.8 (22.0) | 6.6 (25.0) | 7.3 (28.0) |

*Note: Flow rates tabulated above include pressure drop through unit.

**AIR MOTOR (AG)
CYCLE TIME DATA**

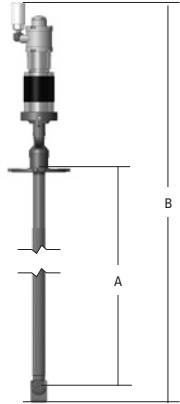
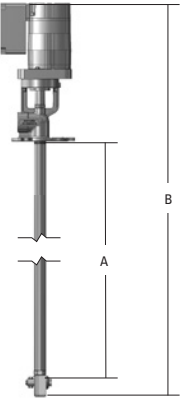
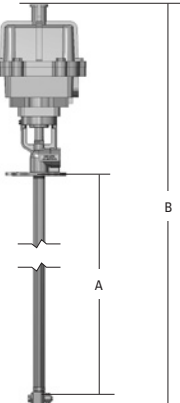
| Air Pressure psi (bar) | Air Consumption scfm (l/sec) | Approx. Speed (rpm) | | Approx. Time for One Complete Cycle (min.) | |
|---------------------------|------------------------------------|----------------------------|------------|--|------------|
| | | Liquid Pressure, psi (bar) | | | |
| | | 100 (6.9) | 500 (34.5) | 100 (6.9) | 500 (34.5) |
| 6 (0.41) | 2.3 (65) | 5.6 | 6.3 | 5.5 | 4.9 |
| 8 (0.55) | 3.2 (91) | 8.7 | 9.2 | 3.6 | 3.4 |
| 10 (0.68) | 4 (113) | 10.7 | 11.6 | 2.9 | 2.7 |

**ELECTRIC (E) & EXPLOSION-PROOF (E-EP) MOTORS
CYCLE TIME DATA**

| Motor Type | AC Frequency | Speed (rpm) | Current (amps) | Power (watts) | Approx. Time for One Complete Cycle (min.) |
|-----------------|--------------|-------------|----------------|---------------|--|
| Electric | 50 Hz. | 3.1 | .39 | 41 | 11 |
| | 60 Hz. | 3.8 | .33 | 34 | 9 |
| Explosion-Proof | 50 Hz. | 0.8 | 0.3 | 33 | 44 |
| | 60 Hz. | 1.0 | 0.3 | 28 | 35 |



DIMENSIONS AND WEIGHTS

| TankJet AA090 | Tank Cleaner | A Extension Length ft. (m) | B Overall Length in. (m) | Weight lbs. (kg)* |
|---|--------------|----------------------------------|--------------------------------|----------------------|
| AA090AG tank cleaner with air motor  | AA090AG | 1.5 (0.5) | 35 (0.8) | 12.5 (5.7) |
| | AA090AG | 3 (0.9) | 53 (1.3) | 14 (6.4) |
| | AA090AG | 4 (1.2) | 65 (1.6) | 15.5 (7) |
| | AA090AG | 6 (1.8) | 89 (2.2) | 18.5 (8.4) |
| AA090E tank cleaner with electric motor  | AA090E | 1.5 (0.5) | 29.6 (0.7) | 12.5 (5.7) |
| | AA090E | 3 (0.9) | 47.6 (1.2) | 14 (6.4) |
| | AA090E | 4 (1.2) | 59.6 (1.5) | 15.5 (7) |
| | AA090E | 6 (1.8) | 83.6 (2.1) | 18.5 (8.4) |
| AA090E-EP tank cleaner with electric explosion-proof motor  | AA090E-EP | 1.5 (0.5) | 32.6 (0.8) | 20 (9.1) |
| | AA090E-EP | 3 (0.9) | 50.6 (1.3) | 21.5 (10) |
| | AA090E-EP | 4 (1.2) | 62.6 (1.6) | 23 (10.5) |
| | AA090E-EP | 6 (1.8) | 86.6 (2.2) | 26 (11.8) |

*Add additional weight from the flange options' chart if not using the standard flange.

DIMENSIONS AND WEIGHTS

| TankJet AA090 Spray Head | Min. Tank Opening in. (m) | A in. (mm) | B in. (mm) | C in. (mm) |
|--------------------------|---------------------------|------------|------------|------------|
| | 2.3 (59) | 1.1 (29) | 0.73 (18) | 2.0 (51) |

FLANGE OPTIONS

| Flange Type | Size | Sales Code | Net Weight lbs. (kg)* |
|-------------------------------|------|------------|-----------------------|
| Three-Prong (std.) | — | — | — |
| ASME® 150# Raised Face Flange | 3 | 3F | 10.5 (4.8) |
| | 4 | 4F | 15.5 (7.0) |
| | 6 | 6F | 24.5 (11.1) |
| Sanitary Tri-Clamp Flange | 3 | 3SF* | — |
| | 4 | 4SF | 0.25 (0.1) |
| | 6 | 6SF | 3.0 (1.4) |

*Add additional weight to tank cleaner if not using the standard flange.

ORDERING INFORMATION

TANKJET AA090 TANK CLEANER

| TANK CLEANER | | | | NOZZLE | | EXAMPLE |
|--------------------|--------------------|--------|------------------|------------------|----------------------------|---------------------------|
| Model ¹ | Motor ² | Flange | -EP ³ | Extension Length | + Nozzle Size ⁴ | AA090 E 6F -EP - 3 + W005 |

¹Add B after AA in the tank cleaner model for BSPT connections.

²Motor: Specify AG for air, E for electric.

³Add -EP for explosion-proof, leave blank for standard version.

⁴Add B prior to nozzle size for BSPT connections.