

**TANKJET AA190 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 of a variety of cleaning operations. Choices include:
  - Variable speed CE-approved air (AG), electric (E) or explosion-proof (EP) electric motors
  - Standard tank cleaner versions that operate at pressures up to 500 psi (34.5 bar)
  - High-pressure versions, for applications requiring higher impact force, that operate at pressures up to 1000 psi (69 bar)
  - 360° or 180° coverage
  - Extension lengths from 4 in. (100 mm) to 10 ft. (3.0 m)
  - Flange mounting options include: three-prong (standard), ASME raised face, and sanitary tri-clamp
- Long wear-life materials of construction with corrosion-resistant 316SS and PTFE fluoropolymer-resin seals
- ATEX-certified versions available

**SPECIFICATIONS**

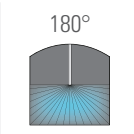
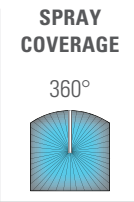
TankJet AA190 Tank Cleaner	Standard version	High-pressure version
Max. tank diameter:	25 ft. (7.6 m)	40 ft. (12.2 m)
Operating principle:	Motor-driven	Motor-driven
Flow rate:	3.1 to 44 gpm (11.8 to 167 lpm)	7 to 20 gpm (26 to 78 lpm)
Operating pressure:	100 to 500 psi (6.9 to 34.5 bar)	up to 1000 psi (69 bar)
Max. temperature:	200°F (93°C)	200°F (93°C)
Materials:	Seals – PTFE fluoropolymer resin All other metallurgy – 316 stainless steel	Seals – PTFE fluoropolymer resin All other metallurgy – 316 stainless steel
Inlet connection:	1" NPT or BSPT (F)	1" NPT or BSPT (F)
Motor options:	Air, electric, explosion-proof electric	Air, electric, explosion-proof electric
Optional accessories:	Strainers, recommended mesh size: 20 (150 micron) See page G2	



TankJet AA190E tank cleaner with electric motor



TankJet AA190DAG tank cleaner with air motor



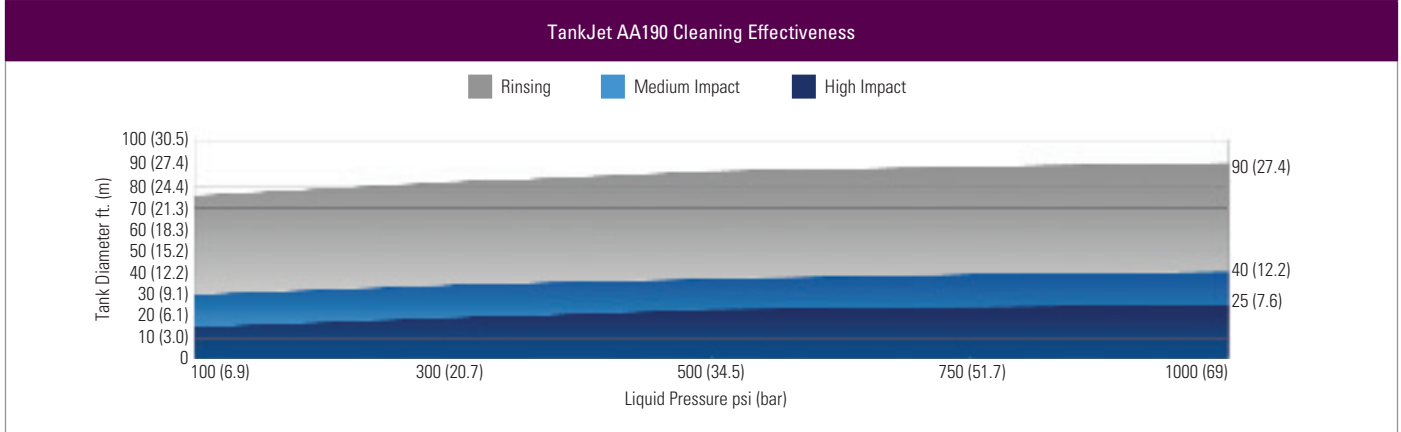
**MOUNTING OPTIONS**

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

**IDEAL FOR CLEANING:**

- Chemical reactors
- Food processing tanks and vats
- Paint tanks
- Pharmaceutical processing vessels
- Process tanks
- Tanker trucks

**PERFORMANCE DATA**



Nozzle	Liquid Flow 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)	700 psi (48.3 bar)**	1000 psi (69 bar)**
<b>1/4MEG-0010</b>	3.1 (11.8)	4.4 (17.3)	5.4 (20)	6.3 (24)	6.9 (27)	8.2 (31)	9.8 (37)
<b>1/4MEG-0015</b>	4.7 (17.9)	6.6 (25)	8.1 (31)	9.4 (36)	10.5 (40)	12.4 (47)	14.9 (56)
<b>1/4MEG-0020</b>	6.2 (23)	8.8 (33)	10.8 (41)	12.4 (47)	13.9 (53)	16.4 (62)	19.6 (74)
<b>1/4MEG-0025</b>	7.7 (29)	10.9 (41)	13.3 (50)	15.4 (58)	17.2 (65)	20 (76)	–
<b>1/4MEG-0030</b>	9.1 (34)	12.9 (49)	15.8 (60)	18.2 (69)	20 (76)	–	–
<b>1/4MEG-0035</b>	10.5 (39)	14.8 (56)	18.1 (69)	21 (80)	23 (87)	–	–
<b>1/4MEG-0040</b>	11.8 (44)	16.7 (63)	20 (76)	24 (91)	26 (98)	–	–
<b>1/4MEG-0050</b>	14.2 (53)	20 (76)	25 (95)	28 (106)	32 (121)	–	–
<b>1/4MEG-0060</b>	16.4 (62)	23 (87)	28 (106)	33 (125)	37 (140)	–	–
<b>1/4MEG-0070</b>	18.3 (69)	26 (98)	32 (121)	37 (140)	41 (155)	–	–
<b>1/4MEG-0080</b>	19.9 (75)	28 (106)	34 (129)	40 (151)	44 (167)	–	–

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

\*\*High-pressure versions only. For additional performance data on high-pressure units, contact your local spray expert.

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

Air Pressure	Air Consumption	Approx. Speed (rpm)	Approx. Time for One Complete Cycle (min.)		
			Liquid Pressure psi (bar)		
psi (bar)	scfm (l/sec)	50 (3.45)	500 (34.5)	50 (3.45)	500 (34.5)
6 (.41)	3.74 (106)	4.0	1.0	8.8	35
8 (.55)	4.72 (134)	7.0	4.0	5.0	8.8
10 (.69)	5.84 (165)	10.0	8.0	3.5	4.4

**ELECTRIC MOTOR (E AND EP)\*  
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	.8	.3	33	44
	60 Hz	1.0	.3	28	35

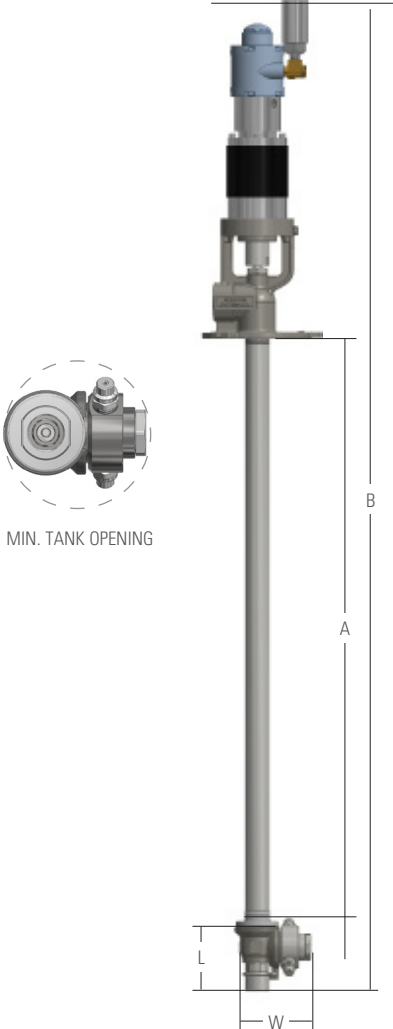
\*Motors are available as 115 VAC (50 or 60 Hz).



TANK DIA.  
UP TO **40 ft.** (12.2 m)

**TANKJET® AA190 TANK CLEANER**

**DIMENSIONS AND WEIGHTS (360° MODEL)**

TankJet AA190 Tank Cleaner	Model	Min. Tank Opening in. (mm)	L in. (mm)	W in. (mm)	A Extension Length ft. (m)	B Overall Length in. (m)	Net Weight lbs. (kg)
	<b>AA190AG, AA190AGH*</b>	3.75 (95.3)	3.25 (82.6)	3.2 (81.3)	3 (0.9)	54.25 (1.4)	14.0 (6.4)
					4 (1.2)	66.25 (1.7)	15.5 (7)
	6 (1.8)				90.25 (2.3)	18.5 (8.4)	
	<b>AA190E</b>				3 (0.9)	48.875 (1.2)	14.0 (6.4)
					4 (1.2)	60.875 (1.5)	15.5 (7)
	<b>AA190E-EP</b>				6 (1.8)	84.875 (2.1)	18.5 (8.4)
					3 (0.9)	51.875 (1.3)	14.0 (6.4)
	<b>AA190AG3F</b>				4 (1.2)	63.875 (1.6)	15.5 (7)
					6 (1.8)	87.875 (2.2)	18.5 (8.4)
	<b>AA190E3F</b>				3 (0.9)	54.25 (1.4)	24.5 (11.1)
					4 (1.2)	66.25 (1.7)	26 (11.8)
	<b>AA190AG4F</b>				6 (1.8)	90.25 (2.3)	29 (13.2)
					3 (0.9)	48.875 (1.2)	24.5 (11.1)
	<b>AA190E4F</b>				4 (1.2)	60.875 (1.5)	26 (11.8)
					6 (1.8)	84.875 (2.1)	29 (13.2)
	<b>AA190AG4F</b>				3 (0.9)	51.875 (1.3)	29.5 (13.4)
					4 (1.2)	63.875 (1.6)	31 (14.1)
	<b>AA190AE4F</b>				6 (1.8)	87.875 (2.2)	34 (15.4)
					3 (0.9)	54.25 (1.4)	29.5 (13.4)
	<b>AA190AG3SF</b>				4 (1.2)	66.25 (1.7)	31 (14.1)
					6 (1.8)	90.25 (2.3)	34 (15.4)
	<b>AA190E3SF</b>				3 (0.9)	54.25 (1.4)	29.5 (13.4)
					4 (1.2)	66.25 (1.7)	31 (14.1)
	<b>AA190AG4SF</b>				6 (1.8)	90.25 (2.3)	34 (15.4)
3 (0.9)		54.25 (1.4)	14.0 (6.4)				
<b>AA190E4SF</b>	4 (1.2)	66.25 (1.7)	15.5 (7)				
	6 (1.8)	90.25 (2.3)	18.5 (8.4)				
<b>AA190AG6SF</b>	3 (0.9)	48.875 (1.2)	14.0 (6.4)				
	4 (1.2)	60.875 (1.5)	15.5 (7)				
<b>AA190E6SF</b>	6 (1.8)	84.875 (2.1)	18.5 (8.4)				
	3 (0.9)	48.875 (1.2)	14.25 (6.5)				
<b>AA190AG4SF</b>	4 (1.2)	66.25 (1.7)	15.5 (7)				
	6 (1.8)	90.25 (2.3)	18.75 (8.5)				
<b>AA190E4SF</b>	3 (0.9)	48.875 (1.2)	14.25 (6.5)				
	4 (1.2)	60.875 (1.5)	15.5 (7)				
<b>AA190AG6SF</b>	6 (1.8)	84.875 (2.1)	18.75 (8.5)				
	3 (0.9)	54.25 (1.4)	17.0 (7.7)				
<b>AA190E6SF</b>	4 (1.2)	66.25 (1.7)	18.5 (8.4)				
	6 (1.8)	90.25 (2.3)	21.5 (9.8)				
<b>AA190AG6SF</b>	3 (0.9)	48.875 (1.2)	17.0 (7.7)				
	4 (1.2)	60.875 (1.5)	18.5 (8.4)				
<b>AA190E6SF</b>	6 (1.8)	84.875 (2.1)	21.5 (9.8)				

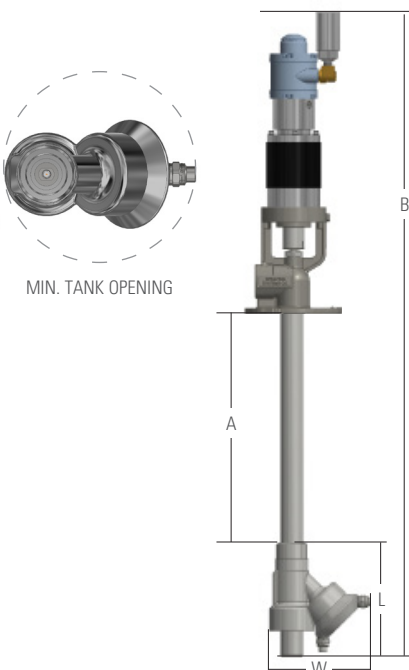
\*H indicates high-pressure version.

\*\*The 3 in. sanitary flange has a modified hub assembly that can fit through a 2.81 in. (71.5 mm) opening with nozzles oriented in vertical position.

\*\*\*Extension lengths available from 0.33 ft. (0.1 m) to 10 ft. (3.0 m)



**DIMENSIONS AND WEIGHTS (180° MODEL)**

TankJet AA190 Tank Cleaner	Model	Min. Tank Opening in. (mm)	L Nozzle in. (mm)	D (Dia.) Nozzle in. (mm)	A Extension Length ft. (m)	B Overall Length in. (m)	Net Weight lbs. (kg)
	<b>AA190DAG, AA190DAGH*</b>	4.5 (114.3)	5 (127)	3 (76)	3 (0.9)	55 (1.4)	14 (6.4)
					4 (1.2)	67 (1.7)	15.5 (7)
					6 (1.8)	91 (2.3)	18.5 (8.4)

\*H indicates high-pressure version.

**FLANGE OPTIONS**

 <p><b>Three-Prong Mounting Flange</b> (Standard)</p>	 <p><b>ASME 150# Raised Face Flange</b> Available in 3" (3F), 4" (4F) and 6" (6F)</p>	 <p><b>Sanitary Tri-Clamp Flange</b> Available in 3" (3SF), 4" (4SF) and 6" (6SF)</p>
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For information on mounting kits and adapters, see page G6.

**ORDERING INFORMATION**

**TANKJET AA190 TANK CLEANER**

TANK CLEANER			NOZZLE			EXAMPLE
Model*	Flange Type**	- Extension Length	+ Inlet Conn.	Nozzle Type	- Capacity Size	<b>AA190AG 3F - 3 + 1/4 MEG - 0010</b>

\*Add B after AA in the tank cleaner type and prior to nozzle type prefix for BSPT connections.

\*\*Add 3F, 4F or 6F for raised face flange. Add 3SF, 4SF or 6SF for sanitary tri-clap flange. Leave blank for standard three-prong flange.