



AA190-HP5 High Pressure Tank Cleaner

High-impact, low volume cleaning of large tanks and reactors with difficult-to-remove residues

Benefits

- Thorough, consistent cleaning of tanks up to 80' (24.4 m) in diameter; removes sticky and stubborn residues by operating at pressures up to 5000 psi (350 bar)
- Multi-axis rotation of solid stream nozzles provide complete coverage of the entire tank
- Specially-designed nozzles dramatically improve solid stream integrity and increase impact and cleaning effectiveness
- Eliminates time-consuming, dangerous manual cleaning
- External air motor drives rotational speed; cycle time stays relatively constant over a wider range of operating pressures and flow
- Long service life – air motor is positioned outside the tank away from harmful caustics
- Rugged, reliable performance – enclosed gears add protection from outside solids and residue build-up
- Lowers operating costs by minimizing liquid consumption
- High-quality swivel hoist rings on flange facilitate installation and removal; units can be permanently installed or moved from tank to tank
- Ideal for cleaning PTFE, latex, acrylic, polymer, paint, cosmetic, food and pharmaceutical tanks



Gears are enclosed in PTFE sleeves to ensure long service life

Specifications

Max. tank dia.: 80' (24.4 m)
Max. flow rate: 65 gpm (246 l/min)
Max. pressure: 5000 psi (350 bar)
Max. operating temperature: 350°F (177°C)
Cycle time: 2 to 16 min
Min. tank opening size: 3.75" (95 mm) for two- or four-nozzle hub
Spray coverage: 360°
Inlet conn: 1/2" NPT (F) with 1/2" JIC (M) adapter
Nozzle hub: Two- or four-nozzle hub
Extension lengths: 3', 4' or 6' (.9, 1.2 or 1.8 m)
Flange: 4" or 6" 150# ANSI® flange. Sanitary flange available
Wetted parts: 316 stainless steel and 17-4PH construction. PTFE seals and AFLAS® O-rings
Weight: 44 to 70 lbs (20 to 32 kg)

Typical Applications



Chemical Processing



Pharmaceutical Processing



Food Processing

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Specifications and Performance Data

Flow Rates gpm or l/min Liquid Inlet Pressure

Nozzle No. Two nozzles of equal capacity	1000 psi (70 bar)	2000 psi (140 bar)	3000 psi (200 bar)	4000 psi (275 bar)	5000 psi (350 bar)
98216-1/4MEG-0005	4.9 (18.4)	6.9 (26)	8.4 (32)	9.7 (37)	10.8 (41)
98216-1/4MEG-0010	9.7 (37)	13.7 (52)	16.8 (64)	19.4 (73)	22 (82)
98216-1/4MEG-0015	14.6 (55)	21 (78)	25 (95)	29 (110)	33 (123)
98216-1/4MEG-0020	19.4 (73)	27 (104)	34 (127)	39 (147)	43 (164)
98216-1/4MEG-0025	24 (92)	34 (130)	42 (159)	49 (184)	54 (205)
98216-1/4MEG-0030	29 (110)	41 (156)	50 (191)	58 (220)	65 (246)

Cycle Time Data – Air Motor (AG)

Air Pressure psi (bar)	Air Consumption scfm (l/min)	Approx. Speed (rpm)		Approx. Time for One Complete Cycle (min)	
		1000 psi (70 bar)	5000 psi (350 bar)	1000 psi (70 bar)	5000 psi (350 bar)
8 (0.55)	4.7 (133)	3.2	2.2	11	16
10 (0.69)	5.8 (164)	5	3.2	7	11
12 (0.83)	7.0 (198)	7	3.5	5	10

Dimensions and Weights

Model No.	Extension Length	Overall Length	Weight with 4" 150# Flange	Weight with 6" 150# Flange
AA190AGHP5-3	3' (0.9 m)	4.6' (1.4 m)	44 lbs (20.0 kg)	54 lbs (24.5 kg)
AA190AGHP5-4	4' (1.2 m)	5.6' (1.7 m)	50 lbs (22.7 kg)	60 lbs (27.2 kg)
AA190AGHP5-6	6' (1.8 m)	7.5' (2.3 m)	60 lbs (27.2 kg)	70 lbs (31.8 kg)

Sanitary flange weight: 4" flanges are 12 lbs. (5.4 kg) lighter and 6" flanges are 18 lbs. (8.2 kg) lighter than 150# flanges.

Ordering Information

Tank Washer				Nozzle No.	
AA190AGHP5	- 4F	- 6	- 2	+	98216-1/4MEG - 0030
High Pressure Tank Cleaner	Flange Size (Add "SF" after 4 or 6 for sanitary flange)	Extension Length	No. of Nozzles		Nozzle Size

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Spray Nozzles



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