TANKJET® D41800E TANK CLEANING NOZZLE

TANKJET D41800E TANK CLEANING NOZZLE FEATURES AND BENEFITS

- Compact, constant-speed nozzles provide up to four times the impact of conventional rotating nozzles
- Rotating head with three flat sprays is driven by the flow of the cleaning liquid
- Rotates at nearly constant speed over a wide range of fluid pressures
- Slow, controlled rotation provides more dwell time on tank surface, making it perfect for cleaning, sanitizing and foaming applications
- Patented self-flushing water bearing design eliminates internal bearings and races
- ATEX-certified versions available upon request
- Choice of threaded or sanitary pin
- TankJet D41800-3A nozzles conform to 3-A Sanitary Standard 78 for spray cleaning devices to remain in place
- All stainless steel construction provides maximum chemical and wear resistance



TankJet D41800E constant speed tank cleaning nozzle

R
RINSING

SPRAY COVERAGE
360°



MOUNTING OPTIONS

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

3-A 78-02 Auth. No. 1040

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

SPECIFICATIONS

TankJet D41800E Tank Cleaning Nozzle	
Max. tank diameter:	16 ft. (4.9 m)
Operating principle:	Fluid-driven constant speed
Flow rate:	3.0 to 22.8 gpm (11.0 to 86 lpm)
Operating pressure:	30 to 90 psi (2.1 to 6.2 bar)
Max. temperature:	265°F (130°C)
Materials:	303 stainless steel or 316L stainless steel
Rotation speed:	2 to 30 rpm
Inlet connection:	3/8" NPT or BSPT (F), DN19
Optional accessories:	Strainers, recommended mesh size: 200 (74 micron) See page G2

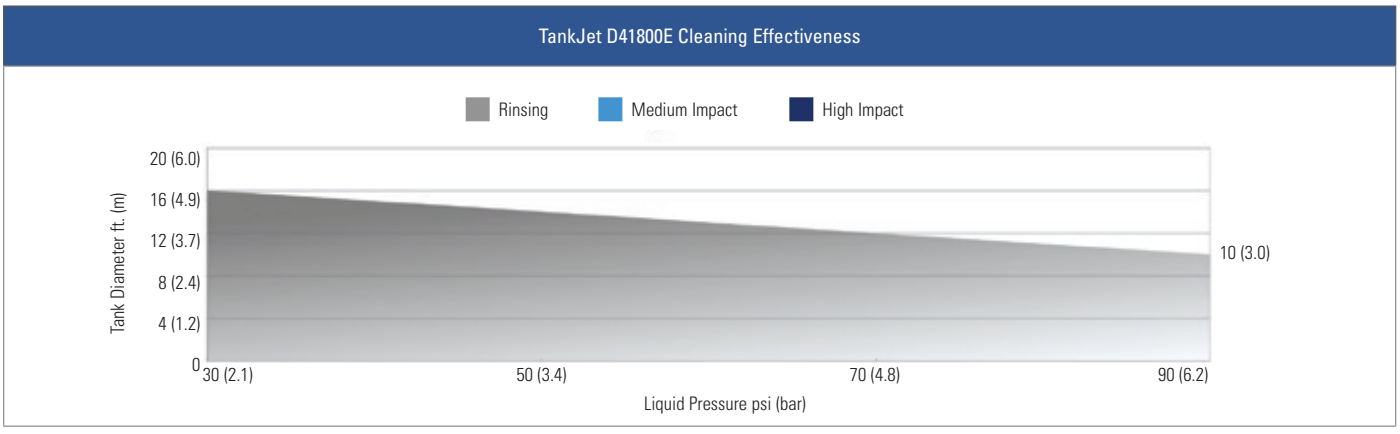
IDEAL FOR CLEANING:

- Chemical processing tanks
- Dry powder tanks
- Food processing tanks
- Mixing tanks
- Pharmaceutical tanks

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

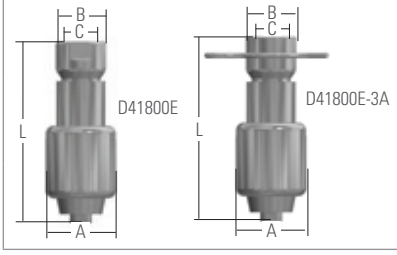
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PERFORMANCE DATA



Model	Inlet Conn. Size/Type	Capacity Size	Liquid Flow Capacity gpm (lpm)			
			30 psi (2.1 bar)	50 psi (3.4 bar)	70 psi (4.8 bar)	90 psi (6.2 bar)
D41800E	3/8	3.2	3.0 (11)	3.7 (14)	4.4 (17)	5.0 (19)
		4.5	4.1 (15)	5.2 (20)	6.2 (23)	7.1 (27)
		9.9	8.6 (33)	10.9 (41)	13.0 (49)	14.9 (56)
		13.6	12.4 (47)	15.6 (59)	18.5 (70)	21.1 (80)
	DN19	3.2	4.0 (15)	5.1 (19)	6.1 (23)	7.0 (26)
		4.5	4.6 (17)	5.8 (22)	6.9 (26)	7.9 (30)
		9.9	9.2 (35)	11.6 (44)	13.8 (52)	15.8 (60)
		13.6	13.4 (51)	16.8 (64)	20.0 (76)	22.8 (86)

DIMENSIONS AND WEIGHTS

D41800E Tank Cleaning Nozzle	Model	Inlet Conn.	L in. (mm)	A in. (mm)	B in. (mm)	C in. (mm)	Pin Length in. (mm)	Min. Tank Opening in. (mm)	Weight lbs. (kg)
	D41800E	3/8"	3.1 (78)	1.2 (30)	0.84 (21.2)	–	–	1.25 (31)	0.28 (0.13)
		DN19	3.8 (97)	1.2 (30)	0.85 (21.6)	0.76 (19.2)	1.5 (38)	1.6 (40)	0.29 (0.13)
	D41800E-3A	DN19	4.1 (104)	1.2 (30)	0.85 (21.6)	0.76 (19.2)	1.5 (38)	1.6 (40)	0.29 (0.13)

ORDERING INFORMATION

TANKJET D41800E TANK CLEANING NOZZLE

Model – Inlet Conn.* – Material Code** Capacity Size

EXAMPLE: **D41800E – 3/8 – SS 9.9**

TANKJET D41800E-3A TANK CLEANING NOZZLE

Model – Inlet Conn. Size/Type* – Material Code** Capacity Size – 3A Version†

EXAMPLE: **D41800E – 19 – 316L 9.9 – 3A**

*Add B prior to the inlet connection for BSPT connections.
** Materials: Specify SS for Stainless Steel Type 303 (DIN1.4305). Specify 316L for Stainless Steel Type 316L (DIN1.4404).
†Leave blank for standard version.

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