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

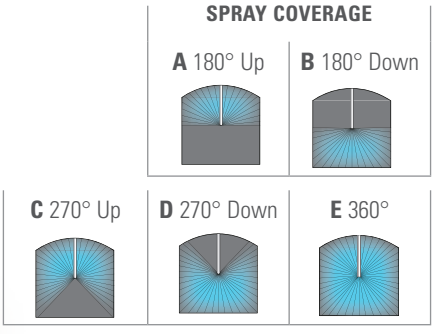


TankJet 27500-R tank cleaning nozzle, see page D4 and E4

TankJet 27500 tank cleaning nozzle

MI MEDIUM IMPACT

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

ADDITIONAL SIZES AVAILABLE

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

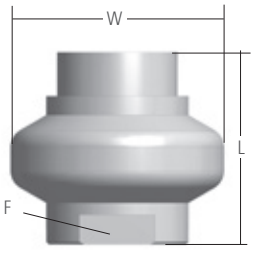


IDEAL FOR CLEANING:

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

DIMENSIONS AND WEIGHT

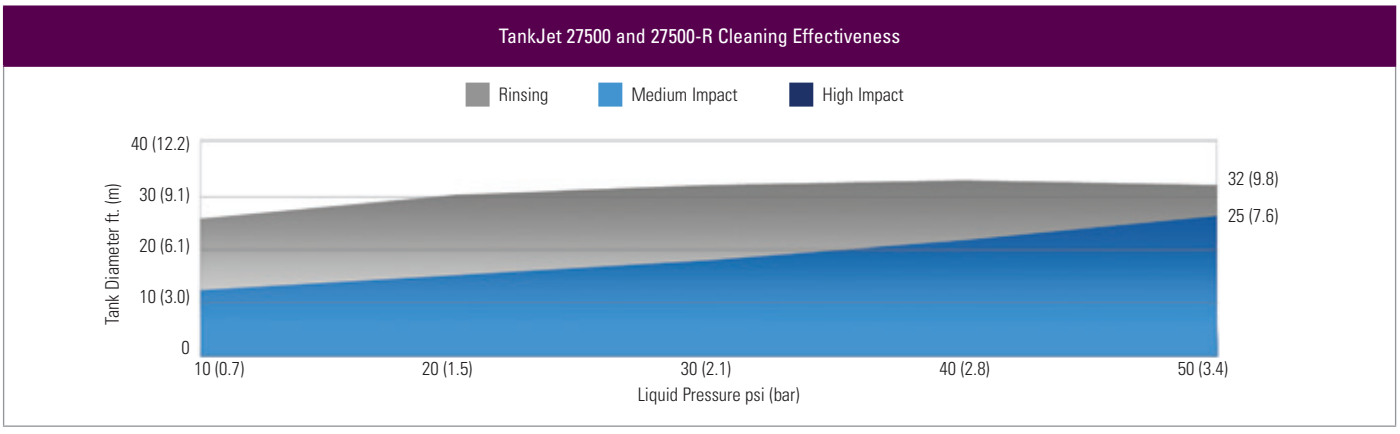
Model	Inlet Conn. in.	W in. (mm)	L in. (mm)	F (Flats) in. (mm)
27500	3	6.88 (174.6)	5.88 (149.2)	3.88 (98.4)



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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PERFORMANCE DATA



Model 27500		Orifice Dia. in. (mm)	Liquid Flow Capacity gpm (lpm)					Max. Tank Dia. ft. (m)
Inlet Conn. Size	Capacity Size		10 psi (0.7 bar)	20 psi (1.5 bar)	30 psi (2.1 bar)	40 psi (2.8 bar)	50 psi (3.4 bar)	
3	250	0.390 (9.9)	125 (475)	177 (700)	217 (805)	250 (985)	280 (1065)	25 (7.6)
	300	0.422 (10.7)	150 (570)	212 (840)	260 (965)	300 (1180)	335 (1280)	25 (7.6)
	350	0.484 (12.3)	175 (665)	247 (975)	303 (1130)	350 (1380)	391 (1480)	25 (7.6)

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

ORDERING INFORMATION

TANKJET 27500 TANK CLEANING NOZZLES

Model* | Spray Coverage | – | Inlet Conn. Size | – | Capacity Size | – | Material Code

EXAMPLE

27500 | E | – | 3 | – | 250 | – | TEF

*Add B prior to nozzle size for BSPT connections.

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

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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



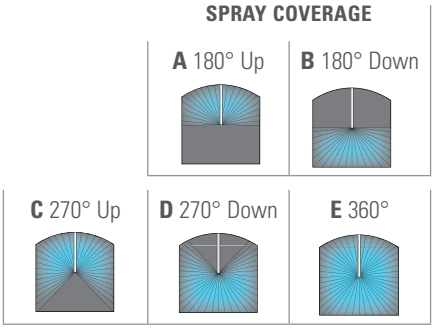
TankJet 27500
tank cleaning nozzle



TankJet 27500-R
tank cleaning nozzle

MI
MEDIUM IMPACT

SPRAY COVERAGE



MOUNTING OPTIONS

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

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

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	

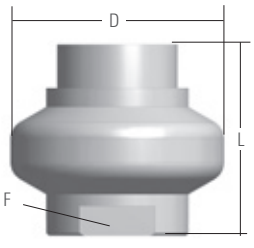
IDEAL FOR CLEANING:

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

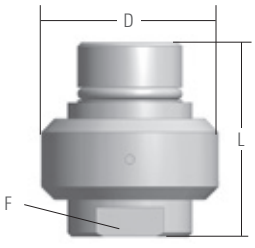
DIMENSIONS AND WEIGHT

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 (45.3)
27500	2	4.88 (123.8)	4.38 (111)	2.75 (69.8)

TankJet 27500



TankJet 27500-R

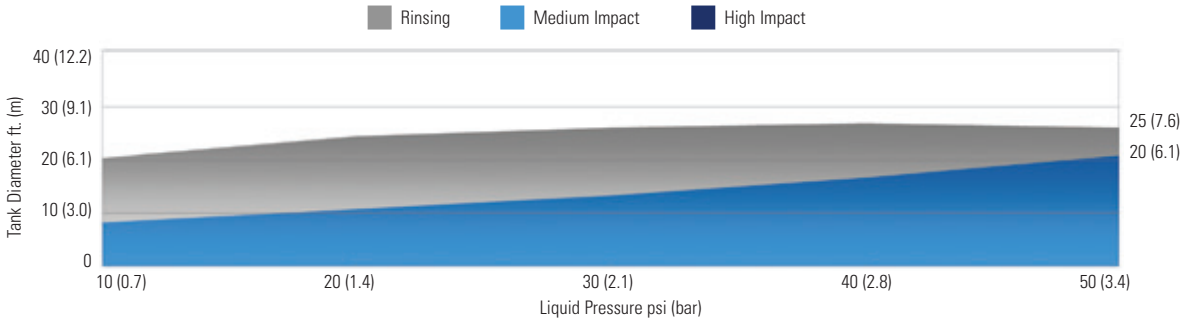


Additional sizes available:
Page C16 – 3 in. conn.
Page E4 – 3/8 and 1/2 in. conn.

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PERFORMANCE DATA

TankJet 27500 and 27500-R Cleaning Effectiveness



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

Model*	Spray Coverage	–	Removable Spray Head**	–	Inlet Conn.	–	Capacity Size	–	Material Code†

EXAMPLE

27500	E	–	R	–	3/4	–	18	–	TEF

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

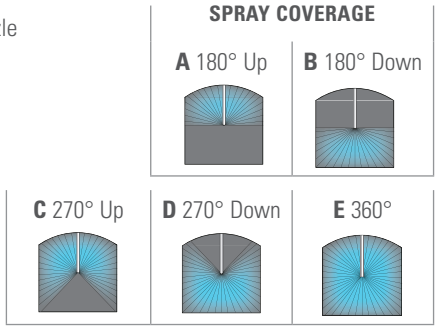
MI MEDIUM IMPACT

- 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 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

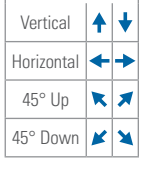
TankJet 27500
tank cleaning nozzle



SPRAY COVERAGE



MOUNTING OPTIONS





TankJet 27500-R
tank cleaning nozzle

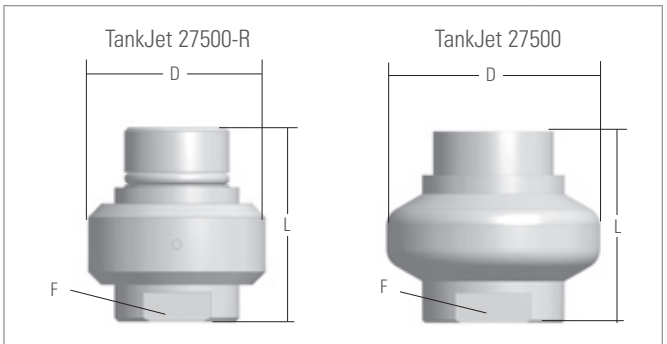
SPECIFICATIONS

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

IDEAL FOR CLEANING:

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

DIMENSIONS AND WEIGHT



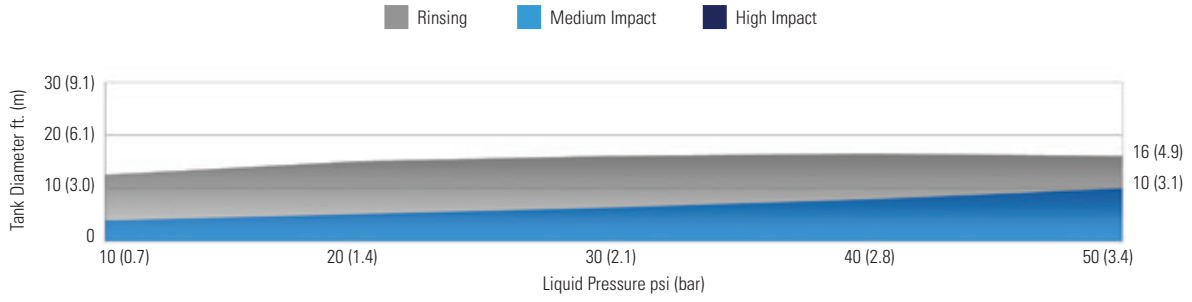
Model	Inlet Conn. in.	D in. (mm)	L in. (mm)	F (Flats) in. (mm)
27500-R	3/8	1.69 (43)	2.0 (51)	0.94 (23.8)
27500, 27500-R	1/2	1.94 (49.2)	2.38 (60.3)	1.13 (28.6)

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

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PERFORMANCE DATA

TankJet 27500 and 27500-R Cleaning Effectiveness



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)

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

ADDITIONAL SIZES AVAILABLE

Page C16 – 3 in. conn.
Page D4 – 3/4, 1 and 2 in. conn.

ORDERING INFORMATION

TANKJET 27500 AND 27500-R TANK CLEANING NOZZLES

Model[1]	Spray Coverage	–	Removable Spray Head[2]	–	Inlet Conn.Size	–	Capacity Size	–	Material Code[3]
27500	E	–	R	–	1/2	–	8	–	TEF

EXAMPLE

[1]Add B prior to the model for BSPT connections.
[2]Leave blank for standard version.
[3]Indicate CTEF for carbon-filled PTFE on 1/2 in. inlet connections for 27500-R.

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

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