

Jet Spray Devices

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AWH jet spray devices generate dynamic spray patterns with powerful impingement to penetrate soils. The device rotates on 2 axis to provide 360° coverage, which ensures all tank surfaces are hit with cleaning solution. Like rotary spray devices, jet devices provide additional deflective cleaning. A jet device can complete a full rotation in three to five minutes, dependent on cleaning medium.

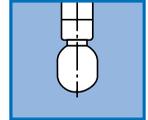
The jet spray devices maintain a plain bearing and planetary gear system to provide repeatable results. They also have low water consumption requirements and a hygienic design to allow for self-cleaning.

TANKO® MX

The AWH TANKO MX Series of Jet Spray Devices are fluid-driven with internal gears for controlled rotation and higher efficiency. With two models, a variety of nozzle sizes, and maximum cleaning radii of 13 feet and 24 feet, the MX series is ideal for cleaning larger vessels with moderate to heavy soils.

The TANKO MX generates approximately 44 horizontal rotations to complete one cycle, bringing it back to its starting position. At about the middle of the recommended range of operating pressure (80 psi), one cycle requires a little over five minutes to complete.

All AWH Spray Devices come with a Material Test Report (MTR).



360°



TANKO MX125

- **Materials:** 316Lss, C-PTFE, PEEK+PTFE (FDA-compliant)
- **Maximum Working Temperature:** 203 °F
- **Minimum Installation Opening:** 5.0"
- **Rotation Speed (RPM):** Approx. 5-14 rpm dependent on pressure
- **Weight:** Approx. 7.0 lbs
- **Design:** 4 nozzles
- **Spray Pattern:** Multi-axis 360° jet spray
- 5.8 minute cleaning cycle at 80 psi



TANKO MX150-G14

- **Materials:** 316Lss, C-PTFE, PEEK+PTFE (FDA-compliant)
- **Maximum Working Temperature:** 203 °F
- **Minimum Installation Opening:** 6.0"
- **Rotation Speed (RPM):** Approx. 5-14 rpm dependent on pressure
- **Weight:** Approx. 7.9 lbs
- **Design:** 4 nozzles
- **Spray Pattern:** Multi-axis 360° jet spray
- 5.8 minute cleaning cycle at 80 psi

QUICK TIPS

Is there a way to monitor rotation?

Because the TANKO MX is geared and media-driven, it can be monitored with sensors for proof of rotation. The AWH CIPGuard (TCG-ZR) is available for monitoring proof of rotation.

Strainer Sizing

Use the below recommendations for sizing a strainer to use upstream of rotary and jet spray devices.

Wedgewire Element: 0.007" or smaller

Mesh Overlay: 80 mesh or higher

Filter Tube: 180 micron or smaller

GOOD TO KNOW

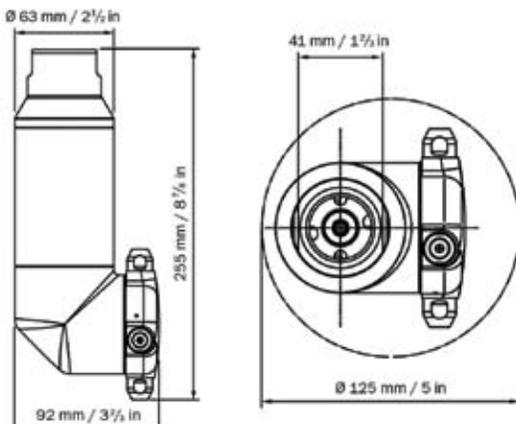
- Vertical positioning is recommended to avoid reduced service life.
- Fully drainable in a vertical or horizontal position.
- The MX150-G12 is an available option within the TANKO MX Series. It has two nozzles and is used in applications which might have a relatively small insertion port but require a longer spray throw distance. *(This item is not featured in the catalog but is available through Sani-Matic Representatives.)*
- Cleaning cycle times are dependent on operating pressure - the higher the pressure, the higher the RPM, and the shorter the overall cleaning cycle.
- Surface finish of materials of construction are 32 µin Ra, however some surfaces may not be measurable or accessible due to the design.



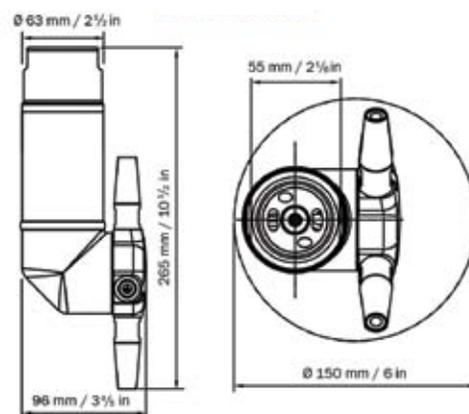
TANKO MX Jet Spray Device

Model	Spray Pattern	Spray Nozzle	Connection Size	Connection Style	Flow (gpm)	Pressure (psi)	Max. Cleaning Radius (ft)	Part #
TANKO MX125	360° Full Coverage Nozzle Spray	Four (4) 5.0 MM Nozzles	1.00"	FNPT	25 - 29	58 - 116	11.5	053597
TANKO MX125	360° Full Coverage Nozzle Spray	Four (4) 6.0 MM Nozzles	1.00"	FNPT	32 - 41	58 - 116	13.0	053598
TANKO MX150-G14	360° Full Coverage Nozzle Spray	Four (4) 7.0 MM Nozzles	1.50"	FNPT	51 - 68	58 - 116	22.5	053600
TANKO MX150-G14	360° Full Coverage Nozzle Spray	Four (4) 8.0 MM Nozzles	1.50"	FNPT	56 - 81	58 - 116	24.0	053599

NOTE: **Green highlighted** cells indicate stocked items.



TANKO MX125 Dimensional Information



TANKO MX150-G14 Dimensional Information

TANKO MX Replacement Parts

Model	Description	Part #
TANKO MX125 / MX150	Wear Parts Kit	053553

NOTE: Green highlighted cells indicate stocked items.

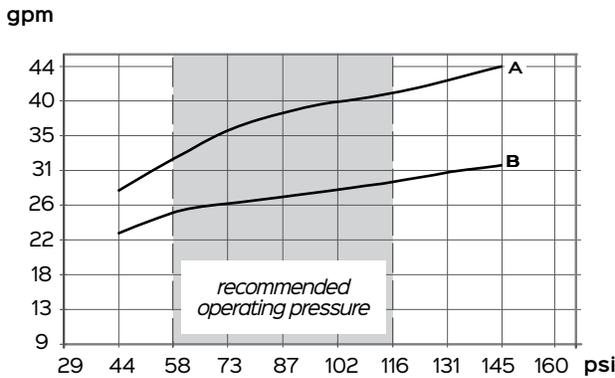
TANKO MX Accessories

For proof of rotation sensor, see CIPGuard® product on page 111.



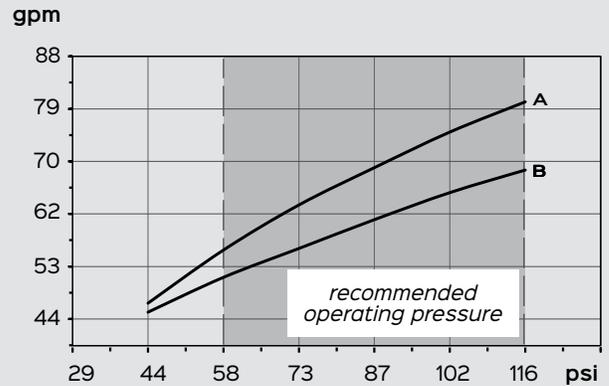
TANKO MX Flow/Pressure and Cleaning Radius Charts

TANKO MX125 Flow/Pressure



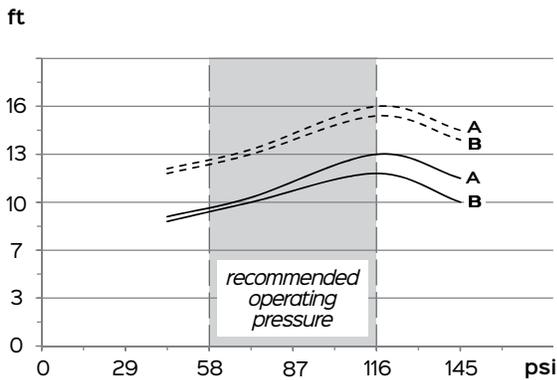
A: 4 x Ø 6.0 mm; B: Ø 5.0 mm

TANKO MX150 Flow/Pressure



A: 4 x Ø 8.0 mm; B: Ø 7.0 mm

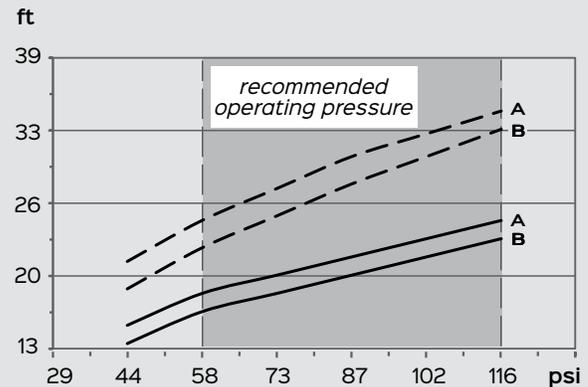
TANKO MX125 Cleaning Radius



A: 4 x Ø 6.0 mm; B: Ø 5.0 mm

--- Wetting Radius — Cleaning Radius

TANKO MX150 Cleaning Radius



A: 4 x Ø 8.0 mm; B: Ø 7.0 mm

--- Wetting Radius — Cleaning Radius