

NATURE MAY CLEAN A
BIT BETTER...



OURS FITS IN A TANK

ROTACRAFT
TANK RINSE NOZZLES



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TR2

LARGE TANK NOZZLE FOR TANKS OVER 300 LITRES

The new TR2 rotary rinse nozzle is intended for tank capacities of 300 litres or more.

Top mounted rinse nozzles allow multiple rinses using a fraction of the total tank volume. On spraying equipment the rinse volume is typically 10% of tank capacity per rinse, depending on the size and extent of boom plumbing. Used in conjunction with a clean water tank this gives operators a quick and effective method of rinsing out in the field.

BENEFITS

- Less risk of pollution
- No internal access required for rinsing
- Encourages timely and thorough cleaning out
- Minimum downtime

RINSING APPLICATIONS

- Sprayer tanks
- Chemical tanks
- Tankers
- Industrial blenders
- Organic composters
- Storage tanks
- Reusable drums
- Rental tanks
- Service trucks

TR2 nozzles operate at flow rates of at least 50 litres/min and minimal pressure.

Rotor and boss are molded in polypropylene/acetyl. Spindle, nut and washer are stainless steel. End load is carried by a nylon thrust washer.

FITTING INFORMATION

Two nozzles mounted under the tank roof are usually adequate for tanks up to 2500 litres, depending on tank shape. Suspending the nozzles up to 30 cm below the tank roof dramatically increases wash radius, allowing tanks of 5000 litres or more to be rinsed by two nozzles. More can be installed provided each is supplied with at least Rotacraft Extension50 l/min. Wash pattern covers an arc from 15 to 120 degrees from the vertical up axis, allowing flexibility in mounting position relative to the tank roof. The threaded boss can either be bulkhead fitted, passing through the roof with external plumbing, or be connected to plumbing fixed inside the tank.

The 1" diameter threaded boss incorporates wrench flats and is available in either BSP(M) or NPT(M) thread options. The BSP(M) version accepts flat seal fittings and can be supplied with backnut, 90 deg. hoesetail and rubber washers ready to accept a 1" hose.

An extension pipe is available to suspend the nozzle 300 mm below the tank roof, the optimum position to maximize rinsate throw while still cleaning the overhead area directly above the nozzle. The nozzle is connected via a coupler at the lower end. The top end can pass through the tank roof and be fixed by two backnuts with enough thread to attach a hoesetail fitting on the outside. This avoids the potential rinse shadows created by locating feed plumbing inside the tank.

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C1-T

SMALL TANK NOZZLE FOR CONTAINERS & TANKS UNDER 500 LITRES

The C1-T is suitable for rinsing smaller tanks and containers where the available flow rate is limited or less flow is required to achieve desired rinsing. The addition of a dispersion collar converts the C1 into a tank rinse nozzle suitable for tank sizes up to 500 litres, or larger if using more than one nozzle. Lateral projection is up to 1 m with minimal droop, continuing to over 1.5 m. Minimum flow recommended for the standard C1-T is 13 litres/min at 14 PSI. A lower pressure version, C1-T Lo, can be specified that functions down to 10 PSI delivering 10 liters/min.

FITTING INFORMATION

The C1-T can be fitted either way up. Inverted installation close to the tank roof allows tidier plumbing, but for elongated tanks or where the roof is ribbed or otherwise uneven the nozzle performs best mounted upright (ie. projecting upwards). Thread options: 1/2" BSP(F) or 1/2" NPT(F).



BENEFITS

- Less risk of pollution
- No internal access required for rinsing
- Encourages timely and thorough cleaning out
- Minimum downtime

RINSING APPLICATIONS

- Sprayer tanks
- Chemical tanks
- Water bottles
- Industrial blenders
- Organic composters
- Storage tanks
- Reusable drums

POLYWEST
liquid handling products

CONTACT US FOR A SAMPLE OF EITHER THE TR2 OR C1-T TODAY



INSTALLATION NOTES

Nozzle Postion	Tank roof with 50 liter/min flow rate (meters)	Tank roof with 80 liter/min flow rate (meters)	Suspended 30 cm below roof with 50 liter/min flow rate (meters)	Suspended 30 cm below roof with 80 liter/min flow rate (meters)
Maximum throw	0.8	1.3	1.2	1.7
Maximum wash radius under flat top	0.4	0.55	0.8	1.6
Maximum distance from wall, rectangular tank	0.7	0.8	0.9	1.15
Maximum separation between nozzles	0.6	0.8	1.2	1.5
Maximum typical tank size for two nozzles	2500 liters	2500 liters	5000 liters	5000 liters



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