M-Series™

Tank Cleaning Solutions

SprayNozzle ENGINEERING
Total Spraying Solutions

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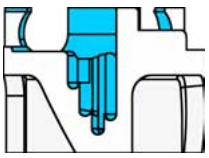
The washer with the unique patented **Flow Step Rotor**



Technology

- **Chemical Processing**
- **Dairy Processing**
- **Food & Beverage**
- **Pharmaceutical**

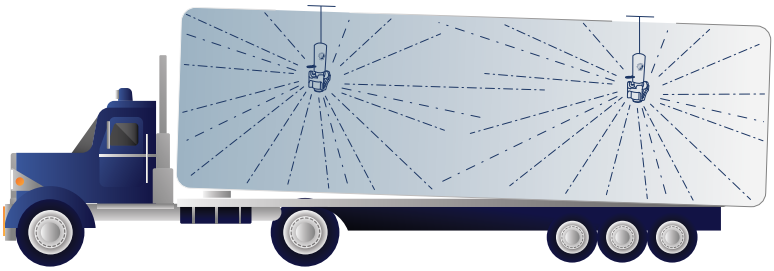
CIP spray nozzles designed to provide superior tank cleaning results at low operating pressures. **Your solution to cleaner tanks with less water.**

M-Series™

ROTARY TANK CLEANER

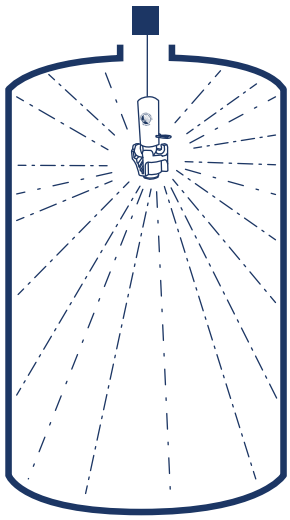
UNIQUE PATENTED ROTOR DESIGN IS TRULY A STEP AHEAD

Powered by the cleaning fluid itself rotor steps are strategically arranged to channel the cleaning fluid into distinct concentrated streams of water to hit tank surfaces where they are needed most. These streams impart a greater hydraulic impact while reducing fine droplets. M-Series creates larger spray droplets from Flow Step Rotor™ design, providing greater washing impact and more efficient wetting.



SELF-CLEANING ACTION WAS THE NEXT STEP TO IMPROVED RELIABILITY

The M-Series rotating tank washers have allowed for major improvements towards trouble free CIP operation by achieving with our distinct bearing system, allowing fluctuations in water pressure to purge any debris / obstructions. No lubrication is required other than the cleaning fluid itself as there are no ball bearings to jam, corrode, thus impeding rotation.



IDENTIFY THE PROBLEM!

Basic spray ball devices found in processing & storage tanks are extremely inefficient and costly to operate. As they require large volumes of water, chemical to operate, and severely compromising performance leading to excessive CIP cycles.

A TRUE 360° SPRAY

Special emphasis is placed upon backward cleaning at points of entry, along with concentrated forward wash-jet droplets to assist cleaning items such as centralised agitators, baffles, shadowed areas.

CUSTOMISE YOUR M-SERIES WASHER

Slot combinations of 4, 6, 8 and 10 are available with the standard M-Series with 10 slot flow directors, If your needs are special, custom units using non-standard flow directors and rotors can help tailor your flow and performance to suit specific requirements.

STANDARD 10 SLOT

CUSTOM 8 SLOT

CUSTOM 4 SLOT

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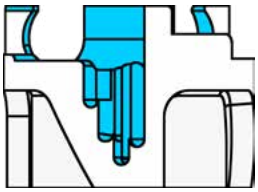
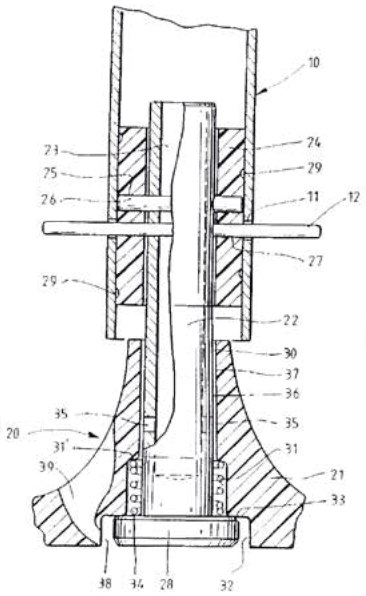
A STEP ahead with patented **Flow Step Technology**



YOUR BIGGEST STEP FORWARD IS TO REPLACE SPRAY BALLS WITH ROTATING M-SERIES TANK WASHERS

With unique patented features including Flow Step Rotor™ technology helping ensure superior hydraulic impact, and a more thorough tank clean with shorter CIP cycle times, leading to major cost savings.



Patented performance designed in Australia

M-Series Flow Step Technology

Technical Data & Performance Information - 10 Slot Models

SNE-M-30

PRESSURE		FLOW RATE		WETTING RADIUS	
BAR	PSI	LPM	US GPM	METRE	FEET
1.4	20	87	23	Maximum coverage not applicable for close radius applications	
2.1	30	106	28		
2.8	40	121	32		
3.4	50	136	36		
4.1	60	148	39		

Connection: ½" BSP Male.
(NPT and other connections available.)
Weight: 0.27 kg (9.5oz.)

SNE-M-50-II

PRESSURE		FLOW RATE		WETTING RADIUS	
BAR	PSI	LPM	US GPM	METRE	FEET
1.4	20	76	20	1.8	6
2.1	30	95	25	2.1	7
2.8	40	110	29	2.1	7
3.4	50	125	33	1.8	6
4.1	60	132	35	1.5	5

Connection: Standard butt weld 1" O.D. Tube.
(Special order connections available.)
Weight: 0.19 kg (6.7oz.)

SNE-M-75-II

PRESSURE		FLOW RATE		WETTING RADIUS	
BAR	PSI	LPM	US GPM	METRE	FEET
1.4	20	167	44	2.6	8
2.1	30	204	54	2.7	9
2.8	40	235	62	2.7	9
3.4	50	250	66	3.0	10
4.1	60	276	73	3.5	11

Connection: Standard butt weld 1 ½" O.D Tube.
(special order connections available)
Weight: 0.44 kg (15.5 oz)

SNE-M-100-II

PRESSURE		FLOW RATE		WETTING RADIUS	
BAR	PSI	LPM	US GPM	METRE	FEET
1.4	20	430	114	1.8	6
2.1	30	500	132	2.6	8
2.8	40	585	155	3.0	10
3.4	50	661	175	2.7	9
4.1	60	708	187	2.6	8

Connection: Standard butt weld 2" O.D. Tube.
(Special order connections available.)
Weight: 0.50 kg (17.64 oz.)

The M-Series consists of a standard shaft / body manufactured in a high-grade stainless steel (AISI 316), with a rotor and flow director available in a choice of (FDA approved) materials.

Materials & Temperature:

- Acetal CoPolymer 120°C (248°F) Max
- PVDF (Kynar) 120°C (248°F) Max
- PTFE (Teflon) 150°C (302°F) Max
  (Full PTFE units are also available)

Operation: Self operated by cleaning fluid
Pressure: Recommended 1.5 BarG min (22psi)

Full material certification and traceability available on request.

NOW available with "square clip" optional retaining system

Distributed by:

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