TANK CLEANER
ERD



- Electric drive
- RD double head with 4 nozzles
- 360° jet coverage
- Up to 200 bar and 80 LPM

- Head and nozzles rotate about two axes
- Insertion opening larger than Ø 78 mm
- 4 nozzles, 0°, 5° or 15° as required
- Drive with 11.9, 15.2 or 22 rpm
- Voltage 230 V, 115 V or 24 V AC
- Connecting pipe 500 to 4000 mm
- Cover made of plastic or stainless steel
- Up to 120 °C, stainless steel 1.4301
- Very low operating noise

The ERD is a tank cleaner with electric drive for the internal cleaning of production, storage and transport containers. It consists of the RD cleaning head, an electric drive and a connecting pipe. The RD double head consists of two identical spray heads rotating in opposite directions with a total of four nozzles. It is used for the complete internal cleaning of heavily soiled production and transport containers as well as storage tanks.

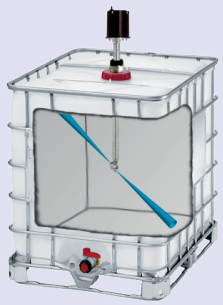
The drive motor sets the spray head in rotation. A toothing on the spray head engages with a fixed toothing on the connecting pipe, so that the spray head also rotates about a second axis offset by 90°. Thanks to the rotation about two axes, the nozzles move in a spherical pattern, and after a certain time the water jet has reached every area of the tank once.

The drive is available with 11.9, 15.2 or 22 rpm, and connecting pipes of different lengths adapt the cleaner to different tank sizes. Thanks to the modular design, the individual components can be replaced, so the unit is quickly ready for use again after servicing. The ERD is designed for durability, is easy to maintain and runs very quietly.

Technical data

Drive:	Electric motor
Speed:	11.9 / 15.2 / 22 rpm
Cleaning head:	RD (spray head combination S-RD-55)
Working pressure:	100 – 200 bar (1450 – 2900 psi)
Flow rate:	10 – 80 LPM (2.6 – 21.1 US gpm)
Max. temperature:	120 °C (248 °F)
Jet coverage:	360°
Nozzles:	4 pcs., 0° / 5° / 15°, 1/8"
Cleaning cycle:	depending on speed and degree of soiling
Connection:	M22 × 1.5 / G 1/2" / G 3/8"
Insertion opening:	larger than Ø 78 mm (3.07 inch)
Connecting pipe:	Ø 35 mm (1.38 inch), length 500 – 4000 mm (19.7 – 157.5 inch)
Material head and pipe:	stainless steel 1.4301
Material drive:	PA6 black / stainless steel 1.4301
Seals:	FPM (Viton®) / EPDM / FDA
Item no.:	ERD.STD

Application example: cleaning an IBC



Variants

Cleaning time:	for a complete spray pattern approx. 4.6 / 3.6 / 2.5 min (at 11.9 / 15.2 / 22 rpm)
Voltage:	230 V AC 50 Hz, 115 V AC 60 Hz, 24 V AC
Cover:	plastic or stainless steel
Switch:	with or without switch
Cable gland:	rear or side
Connecting pipe:	500, 700, 1000, 1500, 2000, 3000, 4000 mm; other lengths on request

Maintenance

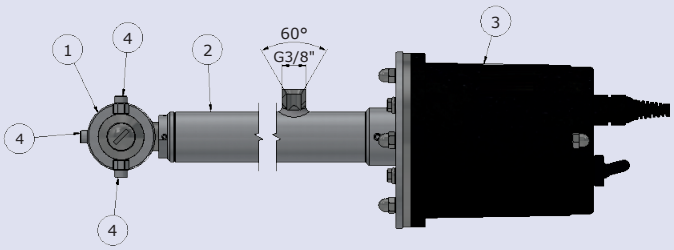
Nozzle cleaning:	with compressed air; for stubborn dirt, with a very thin metal rod
Nozzle replacement:	if required, with nozzles of the same type with identical nozzle opening
Maintenance interval:	approx. every 300 operating hours; replace all seals
Ball bearings:	replace with original bearings after 2,000 operating hours at the latest

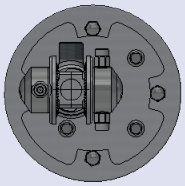
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ERD – Tank cleaner with double head and electric drive

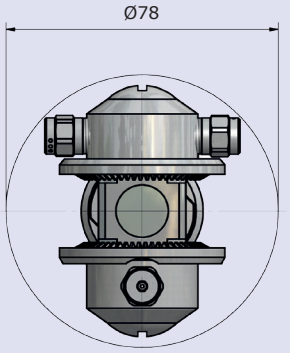
Components and dimensions

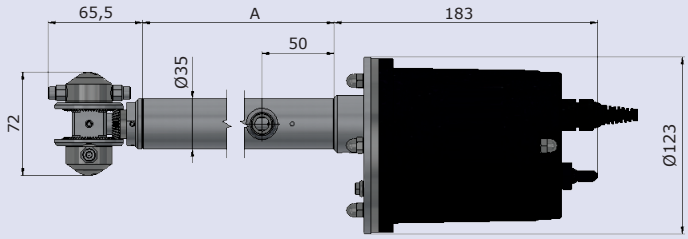
Dimensions in mm





Minimum installation opening in mm

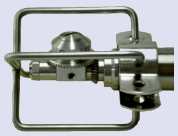




1 Spray head combination S-RD-55
2 Connecting pipe Ø 35 mm
3 Electric drive
4 Nozzles

Length A	500 mm	700 mm	1000 mm	1500 mm	2000 mm	3000 mm	4000 mm
Item no.	**ER-D-0500**	**ER-D-0700**	**ER-D-1000**	**ER-D-1500**	**ER-D-2000**	**ER-D-3000**	**ER-D-4000**

Accessories and spare parts



Protective cage



Screw-in holder M64 × 4



Bunghole holder



Suspension bracket



Double handle



Nozzles



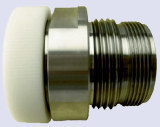
Stainless steel cover



Adapters M22 / M24 / NPT / 1/2"



Mounting flange



Barrel holder M64 × 4 / 2"



Sealing plug

Spare parts:	nozzles 0° / 5° / 15° (1/8"), seal kits, ball bearings, spray head combination S-RD-55
Further accessories:	screw connections M48 × 1.5, M64 × 4 and 2"; anything else on request
Documentation:	operating instructions, spare parts overview, certificates, declaration of conformity

Safety instructions

- The tank cleaner is suitable exclusively for cleaning the inside of production, storage and transport tanks that may be treated with a high-pressure water jet with cleaning solution.
- The unit may only be operated with fresh water and with cleaning agents expressly approved by the manufacturer. The operating conditions and performance limits stated in this data sheet must be observed.
- The unit is technical work equipment and is not intended for private use. Intended use also includes proper transport and professional storage.
- The maintenance intervals depend on the operating time, pressure range, media temperature and cleaning agent used and must be determined individually during trial operation. The operator is responsible for observing the maintenance intervals.

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