

TANK CLEANER
ARK

- Compressed-air drive (ATEX)
- RK ball head for narrow openings
- 360° jet coverage
- Up to 180 bar and 30 LPM

- Driven by a compressed-air motor
- Speed 10–20 rpm, adjustable via the air supply
- Operating pressure 6.3 bar, air consumption 7.8 l/s
- Insertion opening larger than Ø 38 mm
- 2 nozzles, 0°, 5° or 15° as required
- Shaft lengths 500 to 4000 mm
- ATEX approval, up to 120 °C

The ARK is a tank cleaner with compressed-air drive for the internal cleaning of production, storage and transport containers. It consists of the RK cleaning head, a compressed-air drive and a connecting pipe. With its very small head diameter, rounded edges and covered gears, the RK ball head was specially developed for insertion into very narrow and sensitive tank openings from Ø 38 mm (1.50 inch).

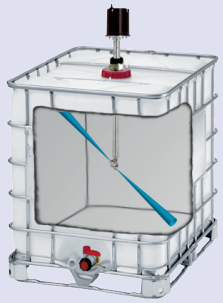
A compressed-air motor sets the spray head in rotation. A toothing on the spray head engages with a fixed toothing on the connecting pipe, so that the spray head also rotates about a second axis offset by 90°. Thanks to the rotation about two axes, the nozzles move in a spherical pattern, and after a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

The speed can be set between 10 and 20 rpm via the compressed-air supply, and shaft lengths from 500 to 4000 mm 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 ARK has ATEX approval, is designed for durability and is easy to maintain.

Technical data

Drive:	Compressed-air motor, operating pressure 6.3 bar (91 psi)
Air consumption:	7.8 l/s (16.5 cfm)
Operating noise:	77 dB(A)
Speed:	10 – 20 rpm, adjustable via the air supply
Cleaning head:	RK (spray head combination S-RK-37)
Working pressure:	100 – 180 bar (1450 – 2610 psi)
Flow rate:	10 – 30 LPM (2.6 – 7.9 US gpm)
Max. temperature:	120 °C (248 °F)
Jet coverage:	360°
Nozzles:	2 pcs., 0° / 5° / 15°, M4
Cleaning cycle:	depending on speed and degree of soiling
Connection:	M22 × 1.5 / M24 × 1.5 / G 1/2" / G 3/8"
Insertion opening:	larger than Ø 38 mm (1.50 inch)
Connecting pipe:	Ø 27 mm (1.06 inch), shaft length 500 – 4000 mm (19.7 – 157.5 inch)
Material head and pipe:	stainless steel 1.4301
Material drive:	stainless steel 1.4301
Seals:	FPM (Viton®) / EPDM / FDA
ATEX (2014/34/EU):	II 2 G Ex h IIC T6 … T1 Gb; II 2 D Ex h IIIC T40 °C … T90 °C Db
Item no.:	ARK.STD

Application example: cleaning an IBC



Variants

Shaft length:	in steps from 500 to 4000 mm; other shaft lengths on request
Cleaning time:	for a complete spray pattern approx. 3.7 – 1.9 min (at 10 – 20 rpm)

Maintenance

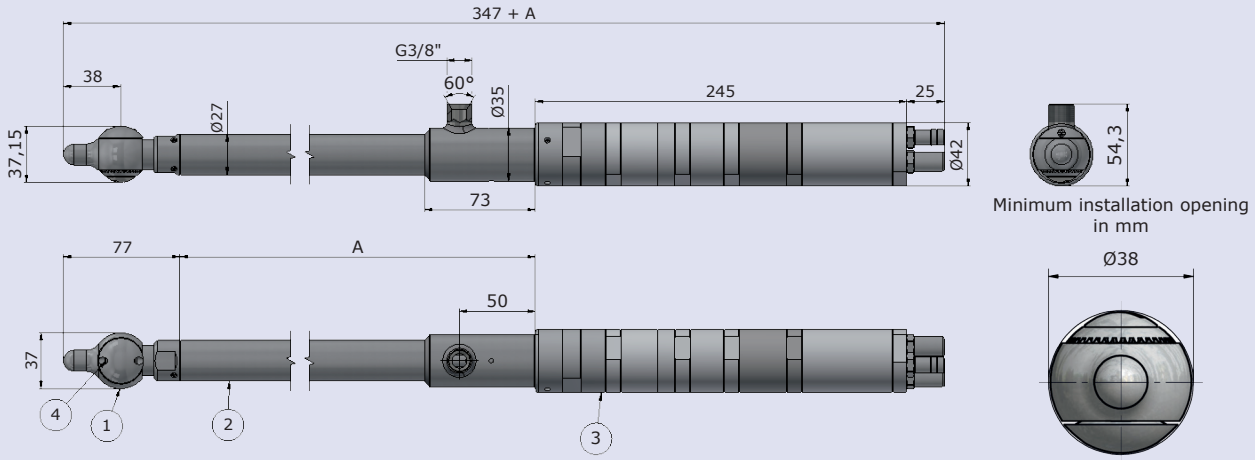
Nozzle cleaning:	with compressed air; for stubborn dirt, with a very thin metal rod
Nozzle replacement:	if required, with nozzles of the same type with identical nozzle opening
Maintenance interval:	approx. every 300 operating hours; replace all seals
Ball bearings:	replace with original bearings after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

The data, technical data and information presented do not release the user from the obligation to check the suitability of the products supplied for the intended application. All information is without guarantee. (Status: 01.10.2026) · Page 1/2

ARK – Tank cleaner with ball head and compressed-air drive

Components and dimensions

Dimensions in mm

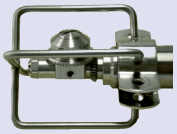


Minimum installation opening in mm

1 Spray head combination S-RK-37
2 Connecting pipe Ø 27 mm
3 Compressed-air drive
4 RK cleaning head nozzles

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

Accessories and spare parts


Protective cage


Screw-in holder M64 × 4


Bunghole holder


Suspension bracket

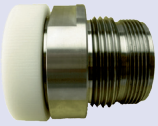

Double handle


Nozzles



Adapters M22 / M24 / NPT / 1/2"


Mounting flange


Barrel holder M64 × 4 / 2"


Sealing plug

Spare parts:	nozzles 0° / 5° / 15° (M4), seal kits, ball bearings, spray head combination S-RK-37
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.

The data, technical data and information presented do not release the user from the obligation to check the suitability of the products supplied for the intended application. All information is without guarantee. (Status: 01.10.2026) · Page 2/2