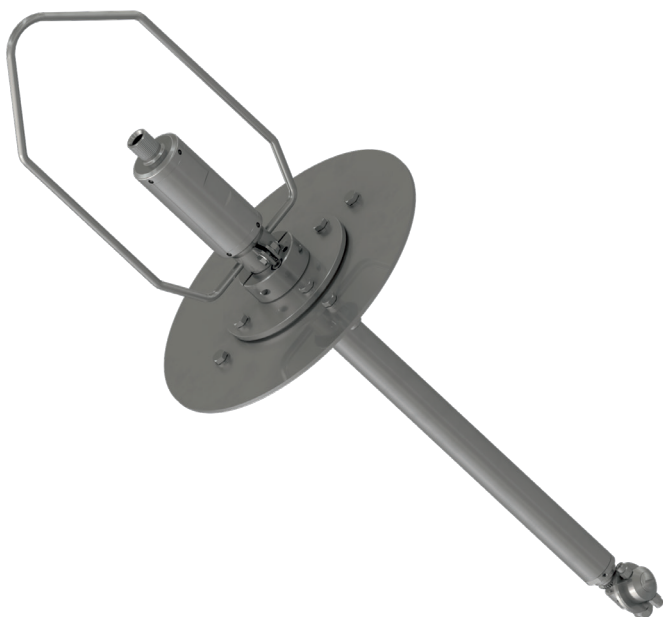




TANK CLEANER IBC cleaner

- For IBC containers from 600 to 1250 l
- Universal R55 cleaning head
 - 360° jet coverage
- Up to 200 bar and 50 LPM



- Driven by a compact water turbine
- Speed 10–30 rpm, adjustable via water volume
- For IBC containers of 600, 800, 1000 and 1250 l (other sizes on request)
- Insertion opening DN 150 or DN 225
- Flange with splash guard plate, suspension bracket optional
- 2 nozzles, 0°, 5° or 15° as required
- Up to 90 °C, stainless steel AISI 316
- Very low operating noise

The IBC cleaner is compact and easy to operate. The cleaning head, which rotates through 360°, ensures excellent cleaning. Depending on the degree of soiling, the unit can be operated at different pressures and with cold or hot water. Solvents can also be used. The IBC cleaner with water drive consists of a cleaning head, a water drive, a splash guard plate, a connecting pipe and an optional suspension bracket.

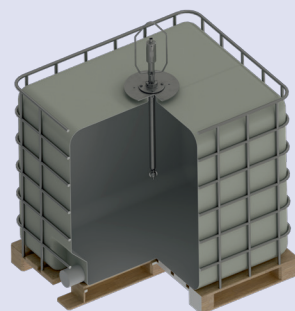
A compact water turbine converts the flow of the cleaning water into a rotary motion: the energy of the water is used not only for cleaning but also to drive the cleaning head. The connecting pipe transmits the motion and conveys the high-pressure water to the spray head. A gearing on the spray head engages with a fixed gearing on the connecting pipe, so that the spray head also rotates about a second axis offset by 90°. Thanks to the rotation in two axes, the nozzles move in a spherical pattern, and after a certain time the water jet has covered every area inside the container.

The cleaner is simply inserted into the IBC opening with the flange; the guide can be set to the opening sizes DN 150 and DN 225. With different pipe lengths, the IBC cleaner can be configured for containers of 600, 800, 1000 and 1250 l. The speed can be varied via the water volume and adapted to the available water volume with different nozzles. Thanks to the modular design, individual elements can be replaced, so the unit is quickly ready for use again after servicing. The IBC cleaner is designed for a long service life, is easy to maintain and runs very quietly.

Technical data

Drive:	Water turbine (water-hydraulic)
Speed:	10 – 30 rpm, adjustable via water volume
Cleaning head:	R55 (spray head combination S-R-55)
Working pressure:	100 – 200 bar (1450 – 2900 psi)
Flow rate:	10 – 50 LPM (2.6 – 13.2 US gpm)
Max. temperature:	90 °C (194 °F)
Jet coverage:	360°
Nozzles:	2 pcs., 0° / 5° / 15°, 1/8"
Cleaning cycle:	depending on the degree of soiling
Connection:	M22 × 1.5 / G 1/2" / G 3/8"
Insertion opening:	DN 150 / DN 225
IBC sizes:	600 / 800 / 1000 / 1250 l, other sizes on request
Connecting pipe:	Ø 35 mm (1.38 inch)
Material:	stainless steel AISI 316 (cleaning head, connecting pipe, drive)
Seals:	FPM (Viton®) / EPDM / FDA
Approvals:	CE, ATEX (2014/34/EU)
Item no.:	PR.000.088

Application example: cleaning an IBC



Variants

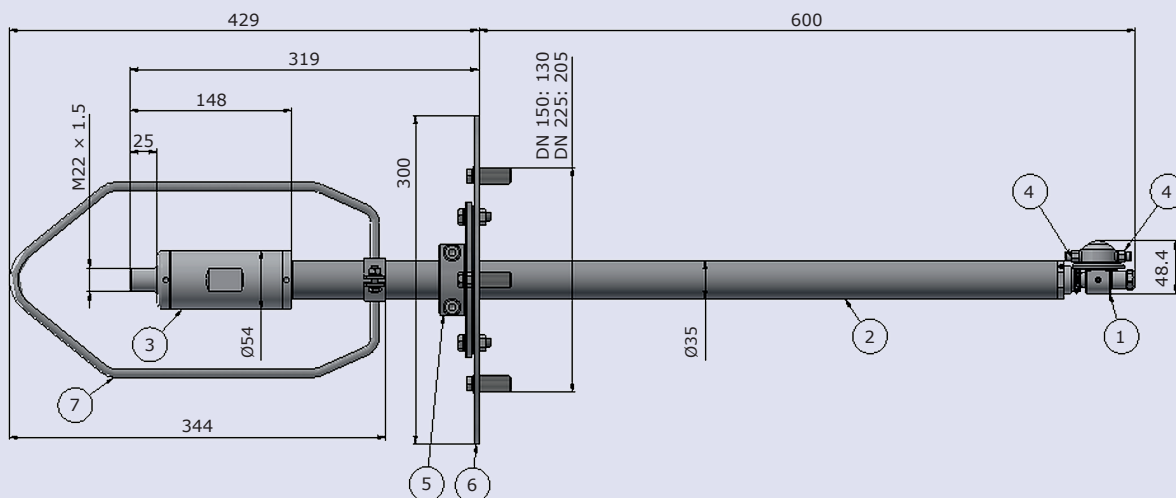
Pipe length:	suitable for IBC containers of 600, 800, 1000 or 1250 l; other sizes on request
Guide:	adjustable to the opening sizes DN 150 and DN 225
Speed:	factory-set to the high-pressure supply, adjustable via three flow control nozzles

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
Filter screen:	in the drive inlet, clean regularly depending on soiling; replace a damaged screen
Maintenance interval:	approx. every 300 operating hours; replace all seals
Ball bearings:	replace with original bearings after 2,000 operating hours at the latest

Components and dimensions

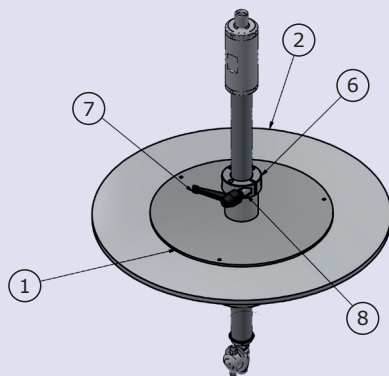
Dimensions in mm (example: pipe length 600 mm)



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|--|------------------------------------|--|
| 1 Spray head combination S-R-55 | 4 R55 cleaning head nozzles | 7 Suspension bracket (optional) |
| 2 Connecting pipe Ø 35 mm | 5 Flange | |
| 3 Water drive (Viton) | 6 Splash guard | |

Complete splash guard

Dimensions in mm: plastic plate Ø 490, splash guard Ø 300, guide tube Ø 108, height 204



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|---|
| 1 Splash guard |
| 2 Plastic plate |
| 6 Connecting clamping ring Ø 35 mm |
| 7 Clamping lever, adjustable |
| 8 Spacer tube |

Accessories and spare parts

Spare parts:

nozzles 0° / 5° / 15° (1/8"), seal kits, ball bearings, spray head combination S-R-55, control nozzles for the water drive

Accessories:

suspension bracket; 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.