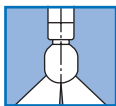


TANKO® RTP and TANKO® RTPS



The main potential applications of retractors are particularly where little space is available for a cleaning device due to projecting agitators or other internal fittings, or where critical products prevent permanent installation of a cleaning device. The TANKO® RTP and TANKO® RTPS have been conceived for use in highly sterile processes. The basic principle of the retractor is the distinction between the rest position (closed construction, the spray head is located in the housing and therefore outside the vessel) and cleaning mode (the spray head is extended into the vessel for cleaning). The TANKO® RTP and TANKO® RTPS are suitable for vessels that have an internal pressure of up to 6 bar during the process (not cleaning).

Extension into the cleaning position and retraction of the cleaning head into the retractor housing are both performed pneumatically and are thus fully controllable. The end posi-

tions of the extension and retraction movements can be queried via sensors. The retractor is available in stroke lengths of 100, 150, 250 and 500. The rotating spray head of the TANKO® RTP runs on ball bearings lubricated by the cleaning medium. The rotating spray head of the retractor with differentiated slots and variable flow rates resulting from this can be used for different cleaning performance requirements. The TANKO® RTPS is a retractor equipped with a static spray head.

All consumption specifications are for orientation only.
The dimensions listed are in mm and are nominal dimensions.

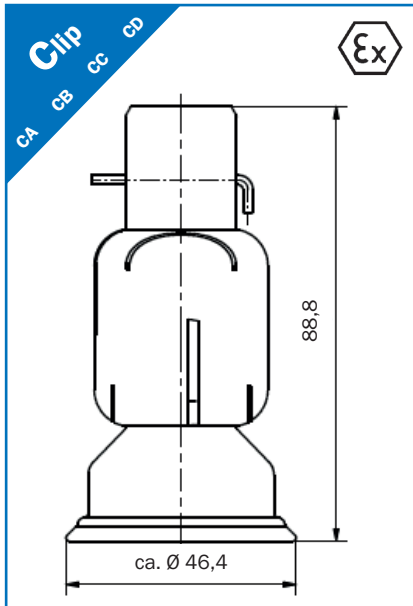
Technical Parameters

Spray angle:	270° upwards
Materials:	1.4435, 1.4401 (316), 1.4430, PTFE modified, EPDM, optional: FKM Other: 1.4301 (304), PU, Al
Connections:	Medium connection: Clamp acc. DIN 32676 (series A) DN25, optional: MA adapter DN25 / 1" + seal + heavy duty clamp DIN 32676 for DN25 Process connection: Suitable for clamps according to DIN 32676 series A, B and C; combination adapter C3;Bio@Control
Operating pressure:	Cleaning medium: 1 - 8 bar / 14.5 - 116 psi* Pneumatic system: min. 5 bar / 72.5 psi , max. 8 bar / 116 psi
Working temperature:	Cleaning medium: max. 140°C / 284°F
Ambient temperature:	Inside the vessel: EPDM max. 140°C / 284°F, FKM max. 180°C / 365°F Outside the vessel: max. 60°C / 140°F (does not apply to ATEX versions!)
Pressure in the container:	During cleaning: 0 to a maximum of 0.5 bar During the process, no cleaning and retractor closed: -1 to a maximum of 6 bar
Sterilization temperature:	140°C / 284°F
Volume flow rate:	2 - 6.5 m³/h / 33.3 - 108.3 l/min / 8.8 - 28.6 gpm US) *
Range:	Cleaning radius: max. 1.6 m / 5.3 ft; wetting radius: max. 2.5 m / 8.2 ft
Installation position:	vertically suspended, other positions on request

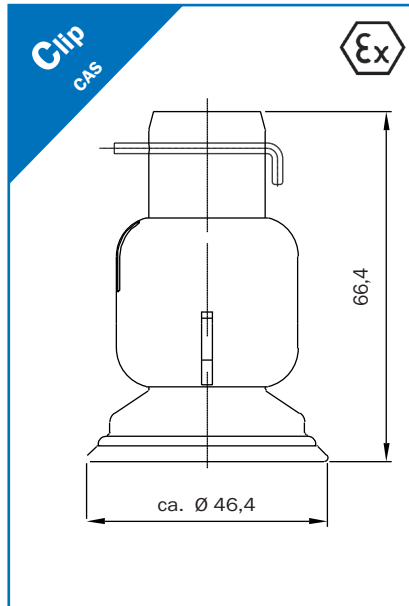
*Depending on model and cleaning medium

TANKO® RTP and TANKO® RTPS

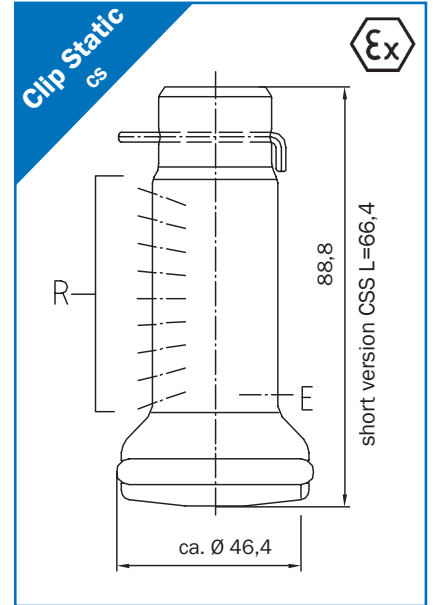
Spray Head Variants



Spray head for TANKO® RTP



Spray head for TANKO® RTP short



Spray head for TANKO® RTPS

R = Cleaning holes as per customer specifications
E = Drain perforation

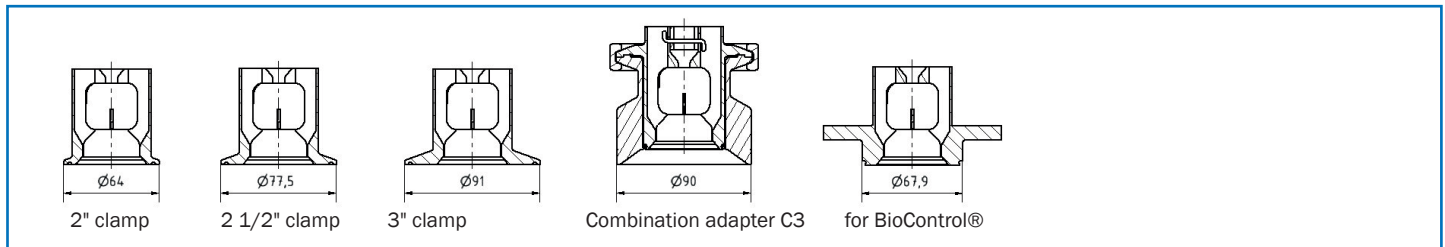
Note: TANKO® RTPS locked against Rotation with a Static Spray Head CS

At an additional cost of EUR 825.00, the TANKO-RT can be supplied in a non-rotating version, the TANKO-RTS with a static spray head (CS). The static spray head comes as standard with the drain hole only and can be custom-drilled by the customer to create a customized, targeted spray pattern for the specific application. For an additional fee, AWH also offers this service, with the spray pattern and flow rates being coordinated with the customer.

Ordering note:

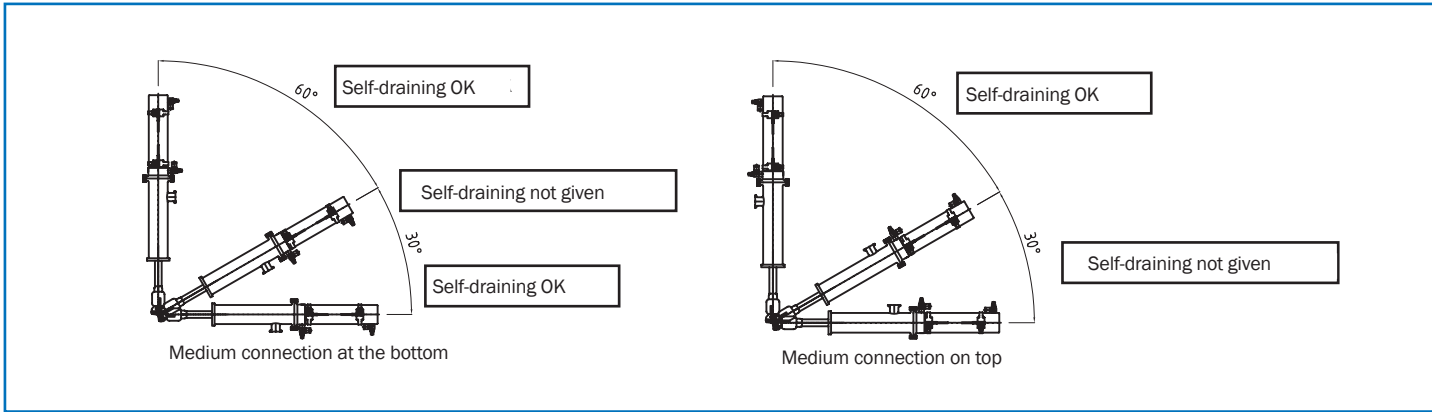
For the RTPS anti-rotation version, replace the 4th digit of the item number with an S. Surcharge on TANKO products® RTP series: 825,00 EUR.

Process Connections

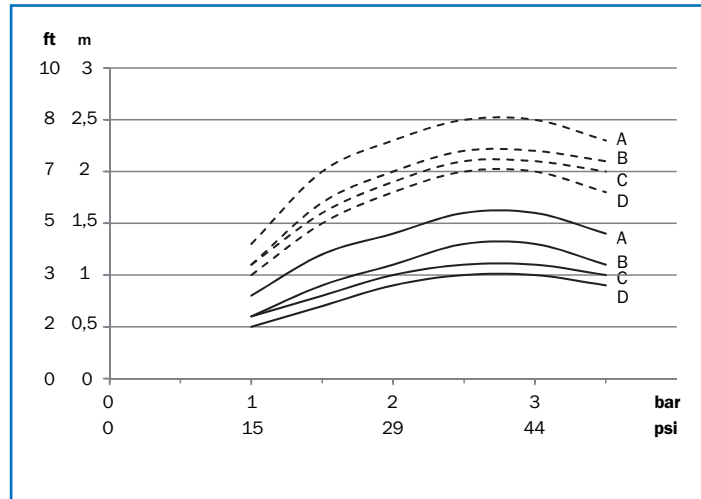
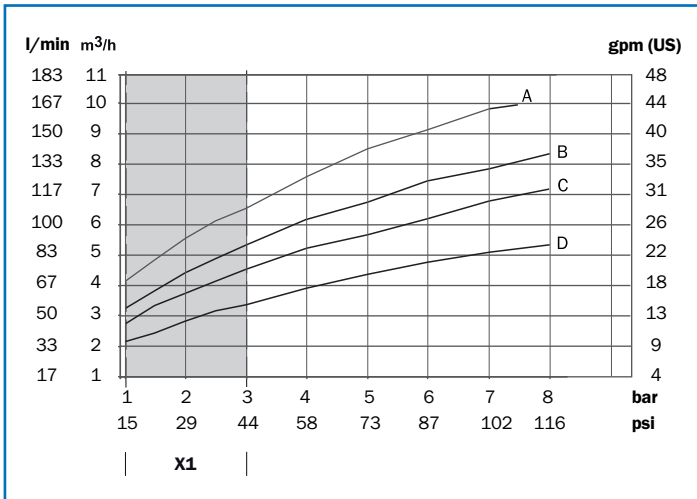


TANKO® RTP and TANKO® RTPS

Installation Advice regarding Self-draining



Consumption and Throw Length Data TANKO® RTP



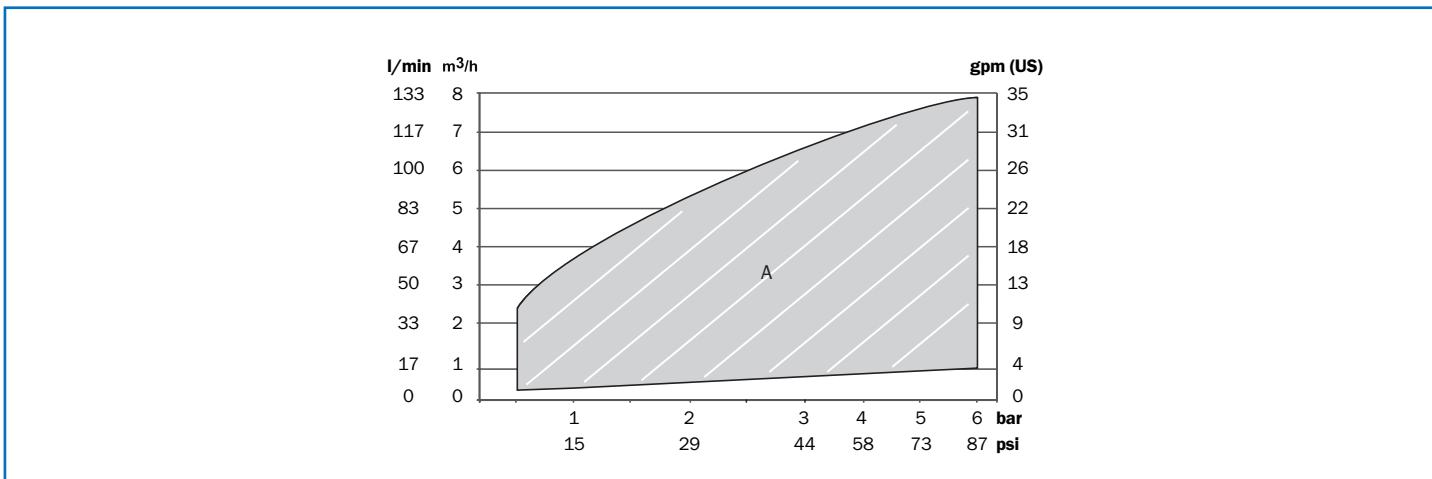
- A – Head type "CD" 270°
- B – Head type "CC" 270°
- C – Head type "CB" 270°
- D – Head type "CA" 270°

- A – Head type "CD" 270°
- B – Head type "CC" 270°
- C – Head type "CB" 270°
- D – Head type "CA" 270°

X1 – recommended operating pressure
optional: TANKO® S30 or TANKO® RB30

— Wetting radius — Cleaning radius

Consumption Data TANKO® RTPS



A – Usable flow rate

TANKO® RTP and TANKO® RTPS

Spare Parts and Services

Replacement Spray Head for TANKO® RTPS, not drilled

Article no.	Sealing material	Net price/EUR
6677 SOX 0602 0231	EPDM	*
6677 SOX 0602 0232	FKM	*
6677 SOX 0602 0233	FFKM	*
	Spray drilling according to customer requirements / according to offer	*

Spare Parts and Wearing Parts Packages TANKO®RTP and TANKO®RTPS

Article no.	Material	Description	Net price/EUR
66RP 100 1EA0 0000	EPDM	TANKO®RTP/RTPS wearing parts package EPDM	279,00
66RP 100 1VA0 0000	FKM	TANKO®RTP/RTPS wearing parts package FKM	334,00
66RP 100 1FA0 0000	FFKM	TANKO®RTP/RTPS wearing parts package FFKM	

Blind plugs and associated O-rings for Combination Vessel Connectors

Article no.	Material	Description	Price/EUR
66R 000 000 4Z30	1.4435	Blind plug	*
66R 000 000 4Z80	2.4602	Blind plug	*
106 050 000 4501	EPDM	O-ring 45 x 3	*
106 050 000 4503	FKM	O-ring 45 x 3	*
106 050 000 4506	FFKM	O-ring 45 x 3	*

Screw connection for media connection/ clamp connection in accordance with DIN 32676

Article no.	Material	Description	DN	Price/EUR
66R 000 000 0D30	1.4435	MA adapter	Clamp A 25 Series C 1"	*
111 100 072	1.4301 (304)	Heavy duty clamp	25 - 40 / 1" - 1.5"	*
105 140 000 2555	EPDM	Clamp seal	25	*
105 160 000 2555	FKM	Clamp seal	25	*
105 160 000 2554	PTFE	Clamp seal	25	*
105 150 000 2554	NBR	Clamp seal	25	*
105 150 000 2555	Silicon	Clamp seal	25	*
105 170 031 0001	EPDM	Clamp seal	1"	*
105 170 031 0002	FKM	Clamp seal	1"	*
105 170 031 0004	PTFE	Clamp seal	1"	*
105 170 031 0003	NBR	Clamp seal	1"	*
105 170 031 0000	Silicon	Clamp seal	1"	*

Measuring Report

Number of measuring points	Description	Net price/EUR
6	Roughness: Basic body	65,00
4	Roughness: Spray head TANKO® RPB-E	45,00
5	Δ-ferrite content TANKO® RTP hydro pipe	75,00
2	Δ-ferrite content TANKO® RTP spray head	30,00

Material Certificates

Description	Net price/EUR
WAZ 3.1 - EN10204 - TANKO® RTP /- RTPS	95,00