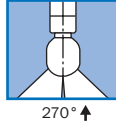
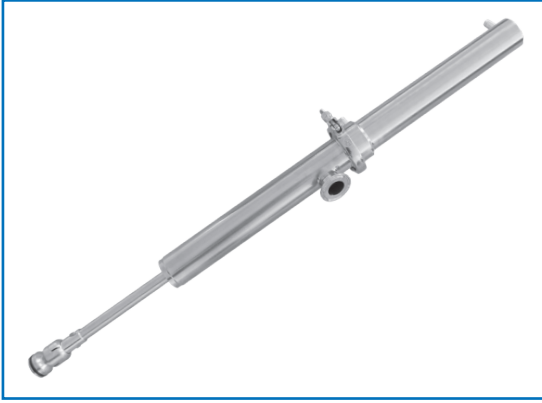


TANKO® RT and TANKO® RTS



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® RT and TANKO® RTS 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).

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® RT 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® RTS is a retractor equipped with a static spray head. A special ATEX version of the retractor is available for ATEX applications.

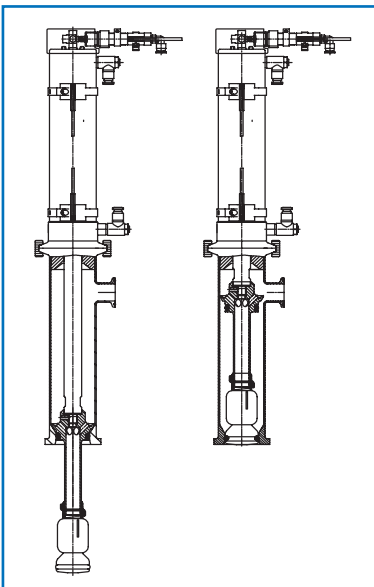
All consumption specifications are for orientation only.
The dimensions listed are in mm and are nominal dimensions.

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 as per DIN 32676 series A, B and C; welded connections; combination adapter C3
Operating pressure:	Cleaning medium: 1 - 8 bar / 14.5 - 116 psi (Does not apply to ATEX versions!) * Pneumatic system: min. 5 bar / 72.5 psi , max. 8 bar / 116 psi
Working temperature:	Cleaning medium: max. 140 °C / 284 °F (Does not apply to ATEX versions!)
Ambient temperature:	Inside the vessel: EPDM max. 140 °C / 284 °F, FKM max. 180 °C / 365 °F (does not apply to ATEX versions!) 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: 0 to a maximum of 3 bar
Sterilization temperature:	max. 140 °C / 284 °F (Does not apply to ATEX versions!)
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

Information as per ATEX (excerpt)



The cleaning devices satisfy the explosion protection requirements of Directive 2014/34/EU.

Current information on the type approval of the cleaning devices:

TANKO® RT100 ATEX, TANKO® RT150 ATEX, TANKO® RT250 ATEX, TANKO® RT500 ATEX,
TANKO® RTS100 ATEX, TANKO® RTS150 ATEX, TANKO® RTS200 ATEX, TANKO® RTS250 ATEX

(G = Gas, D = Dust, X at the end of the identification number = Special conditions, see operating instructions)

II 1/2G Ex IIB/IIC T6/T6... T3 Ga/Gb
II 1G/2D Ex IIB/IIC T6/T95 °C... T140 °C Ga/Db
II 1/2D Ex IIIC/IIIC T60 °C... T70 °C/T95 °C... T140 °C Da/Db
II 1D/2G Ex IIIC/IIC T60 °C... T70 °C/T6... T3 Da/Gb
BVS 10 ATEX H 006 X

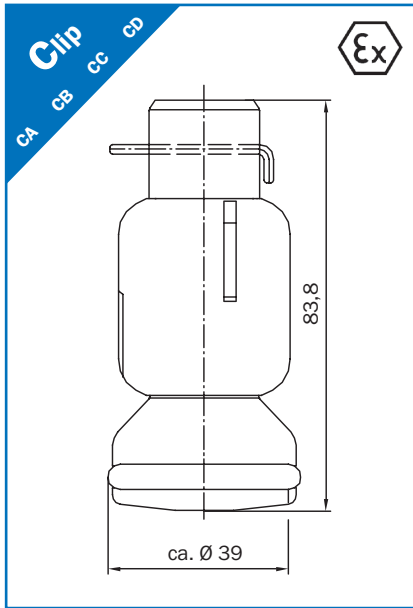
The technical data of the ATEX units can differ from the standard units and this data is provided in the respective operating and installation instructions.

Ordering note:

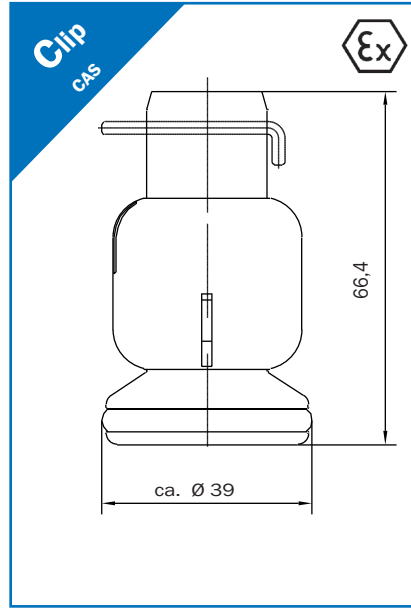
1. Surcharge on Standard Products from the TANKO® RT Series 1,320.00 EUR
2. When placing your order, please locate the corresponding standard article number in the order tables and replace the last (0) with an X. E.g.: 66R3 110 1925 3110X
3. For the RTS anti-rotation version, please replace the nine (9) at the 9th position of the article number with an eight (8).

TANKO[®] RT and TANKO[®] RTS

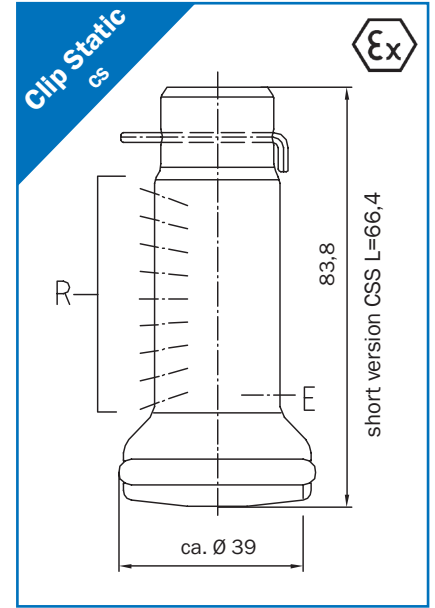
Spray Head Variants



Spray head for TANKO[®] RT and TANKO[®] RT ATEX



Spray head for TANKO[®] RT and TANKO[®] RT ATEX short



Spray head for TANKO[®] RTS and TANKO[®] RTS ATEX

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

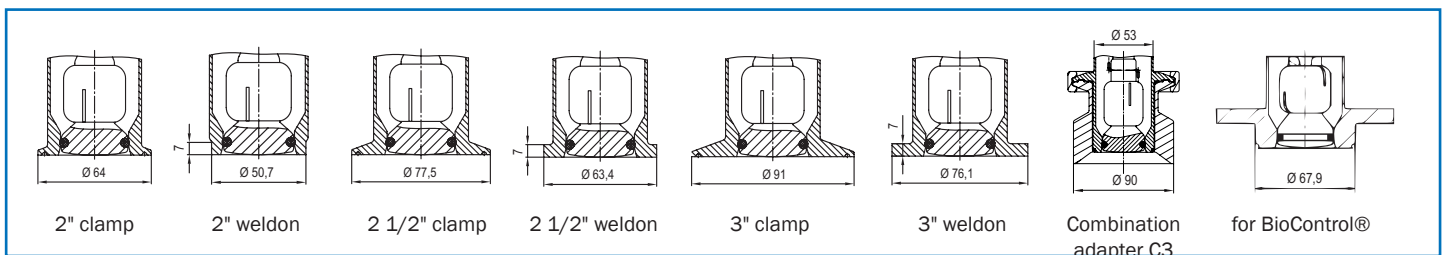
Note: TANKO[®] RTS locked against Rotation with a Static Spray Head CS

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:

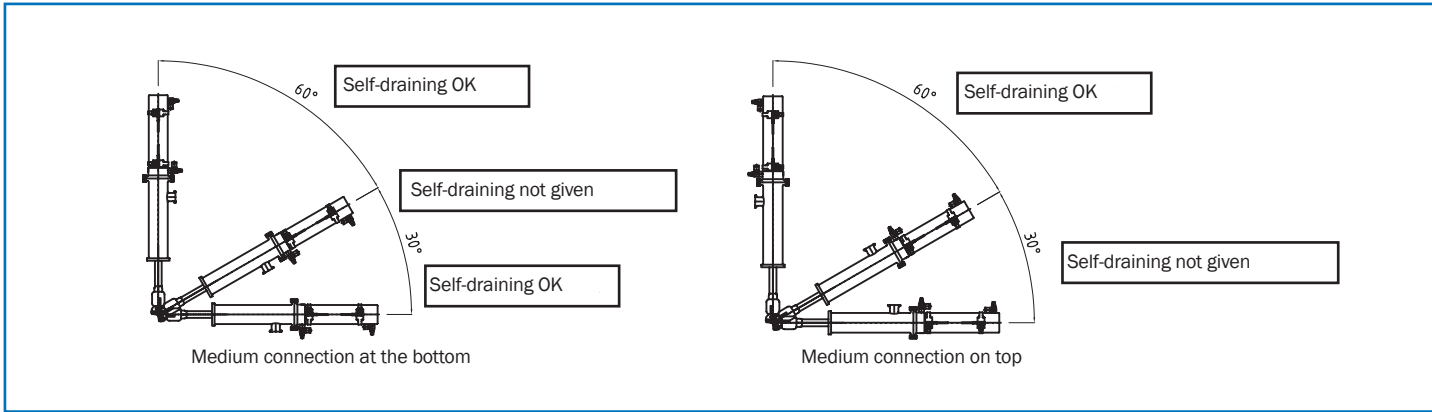
For the RTS anti-rotation version, please replace the 4th digit of the article number with an S and the nine (9) at the 9th position of the article number with an eight (8). Surcharge on products from the TANKO[®] RT series: 825,00 EUR.

Process Connections

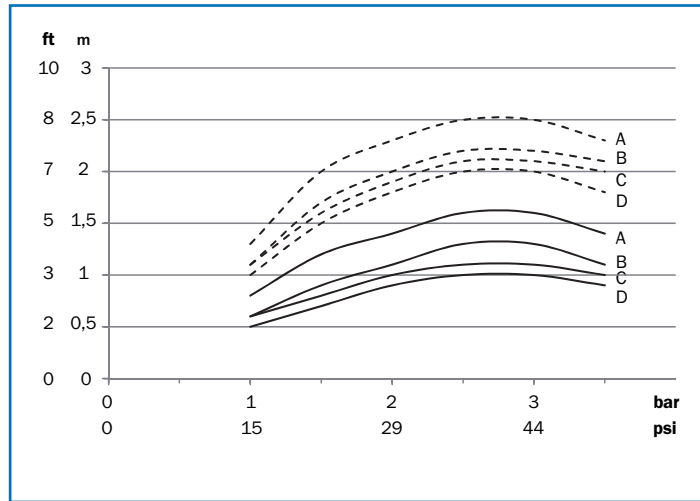
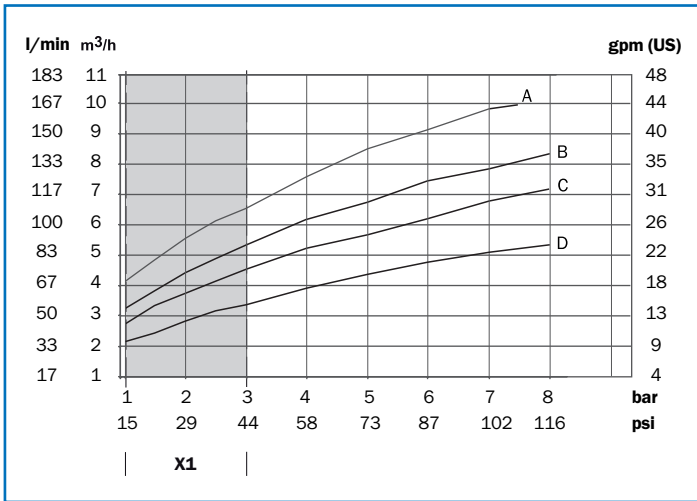


TANKO[®] RT and TANKO[®] RTS

Installation Advice regarding Self-draining



Consumption and Throw Length Data for TANKO[®] RT and TANKO[®] RT ATEX



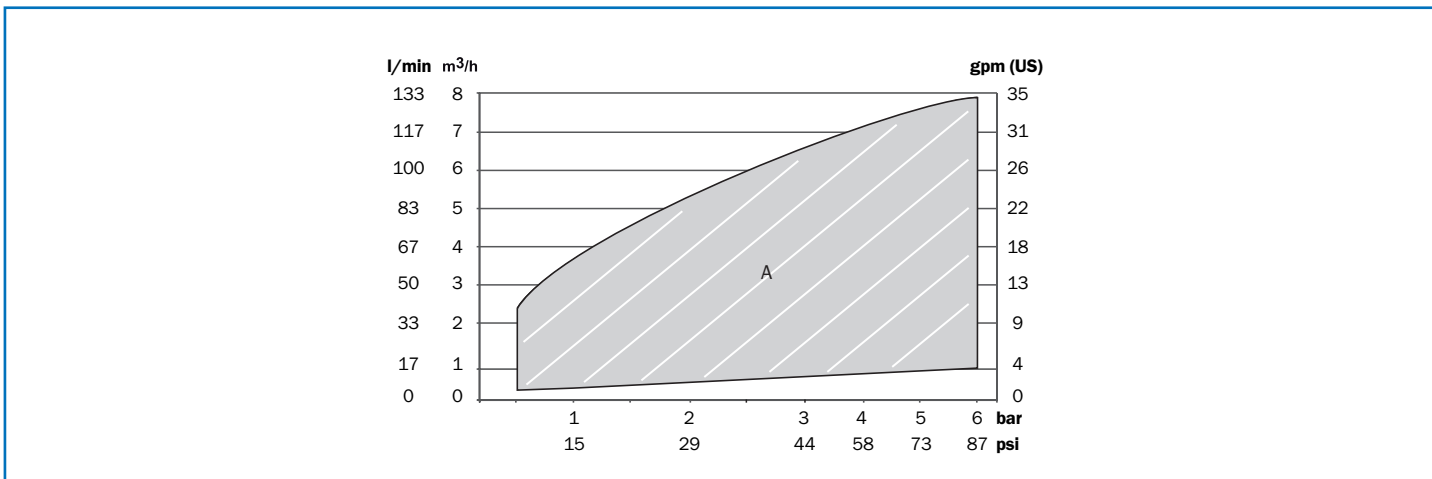
- A - Head type "CD" 270°
- B - Head type "CC" 270°
- C - Head type "CB" 270°
- D - Head type "CA" 270°

- 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[®] RTS and TANKO[®] RTS ATEX



A - Usable flow rate

TANKO® RT and TANKO® RTS

Spare Parts and Services

Replacement Spray Head for TANKO® RTS, not drilled

Article no.	Sealing material	Net price/EUR
6676 X0X 0602 0231	EPDM	*
6676 X0X 0602 0232	FKM	*
Spray drilling according to customer requirements / according to offer		*

Spare Parts and Wearing Parts Packages

Article no.	Material	Description	Net price/EUR
66R 010 01VA 00000	FKM *	TANKO® RT wearing parts package FKM	243,00
66R 010 01VA 0000X	FKM *	TANKO® RT wearing parts package FKM ATEX (without piston ring)	385,00
66R 010 02VA 0000X	FKM *	TANKO® RT wearing parts package FKM KR EX (with piston ring)	385,00
66R 030 01VA 00000	EPDM	TANKO® RT wearing parts package EPDM	188,00
66R 030 01VA 0000X	EPDM	TANKO® RT wearing parts package EPDM ATEX (without piston ring)	330,00
66R 030 02VA 0000X	EPDM	TANKO® RT wearing parts package EPDM KR EX (with piston ring)	330,00
66R 010 000 05P2	Polyurethane	TANKO® RT damping ring kit PU	12,40

*) Applies only to O-rings contacting the product

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® RT hydro pipe	75,00
2	Δ-ferrite content TANKO® RT spray head	30,00

Material Certificates

Description	Net price/EUR
WAZ 3.1 - EN10204 - TANKO® RT /- RTS	95,00