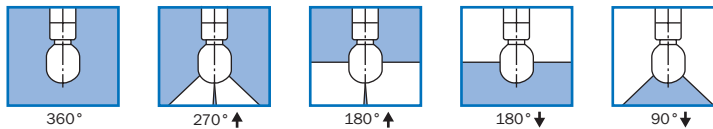


## TANKO® S



The TANKO® S is a rotating spray head with slotted spray openings.

Strong impact, high cleaning force at low volumetric flows and low pressures make it easier to optimize the cleaning process and provide a more efficient alternative to static spray balls. The spray cleaners are available in 5 different sizes, with different materials and connections, and also with ATEX certification if required.

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

### Technical Parameters

<b>Spray angle:</b>	360°, 270° upwards, 180° upwards, 180° downwards, 90° downwards
<b>Materials:</b>	<p><b>TANKO® S10:</b> Basic body 1.4435 (316L), optional 2.4602; bearing balls 1.4401 (316), optional 2.4610 (HC4)</p> <p><b>TANKO® S20 / TANKO® S30:</b> Basic body 1.4435 (316L), 2.4602 (HC22); Bearing balls 1.4401 (316), optional 2.4610 (HC4)</p> <p><b>TANKO® S40 / TANKO® S50:</b> Basic body 1.4435 (316L), 1.4404 (316L), 2.4602 (HC22); bearing balls 1.4401 (316), optional 2.4610 (HC4)</p>
<b>Connections:</b>	Clipon, thread, orbital weldon connection acc. DIN 11866
<b>Operating pressure:</b>	Cleaning medium: 1.5 - 3 bar / 22 - 43.5 psi *
<b>Working temperature:</b>	Cleaning medium: max. 230°C / 446°F (Does not apply to ATEX versions!)
<b>Ambient temperature:</b>	Inside the container: max. 250°C / 482°F (Does not apply to ATEX versions!)
<b>Volume flow rate:</b>	0.25 - 18 m³/h / 4.2 - 300 l/min / 1 - 79 gpm (US) *
<b>Range:</b>	Cleaning radius: 0.1 - 3.2 m / 0.3 - 10.5 ft; wetting radius: 0.1 - 4.2 m / 0.3 - 13.8 ft *
<b>Bearings:</b>	double ball bearings

\*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® EX S10, TANKO® EX S20, TANKO® EX S30, TANKO® EX S40, TANKO® EX S50  
(G = Gas, D = Dust, X at the end of the identification number = Special conditions, see operating instructions)

Ex II 1 G Ex h IIB T6 Ga  
II 1 D Ex h IIIC T60°C Da  
TPS 20 ATEX 055073 008 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.

Surcharge on standard products from the TANKO® S series: 75.00 EUR

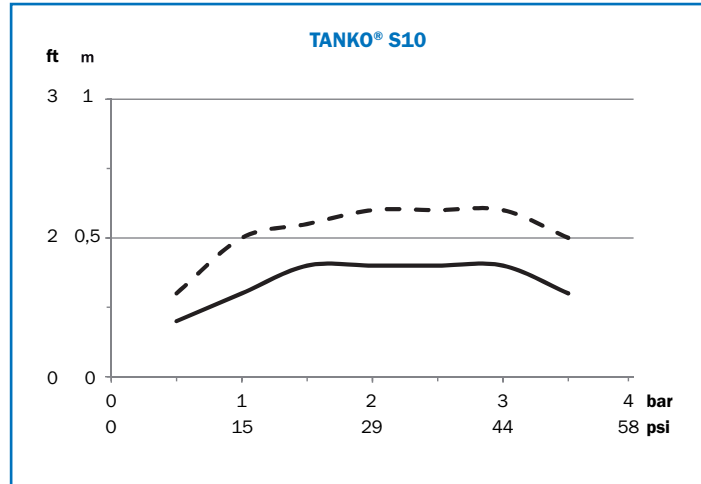
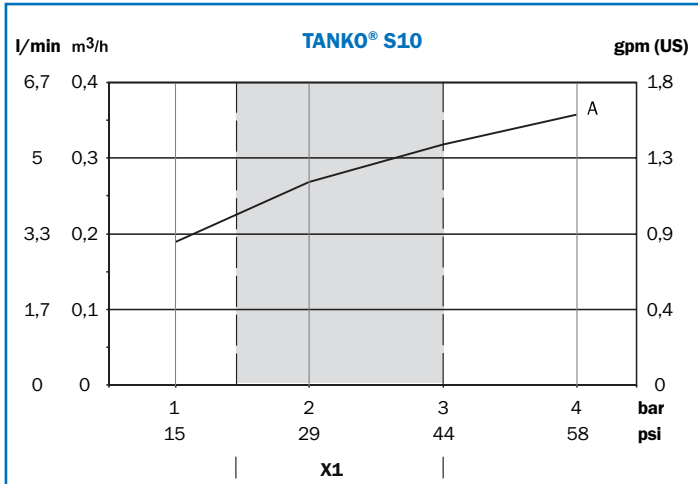
Article no.: please take the respective Typecode number and substitute the value "X" accordingly. E.g.: 665 03 7600 233X

## Consumption Data and Throw Length Data

### Test conditions for the consumption and range chTypes:

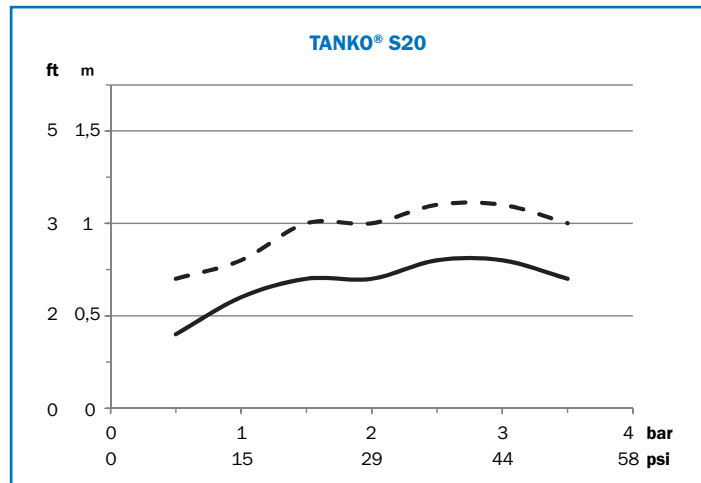
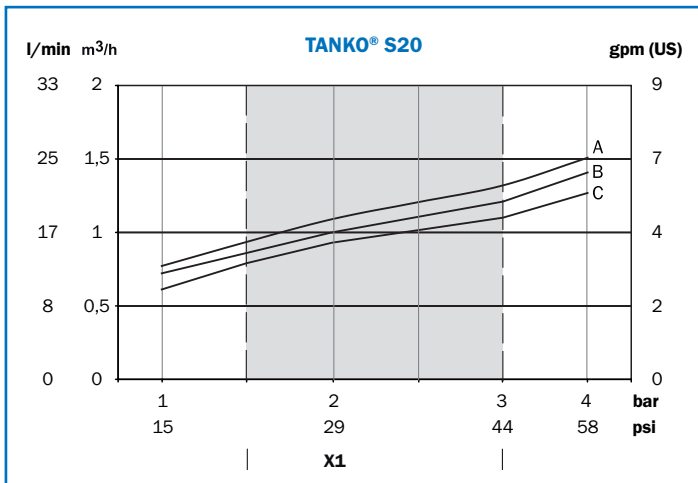
Temperature: 20 - 30 °C / 68 - 86 °F  
 Measuring medium: Water  
 Connection: Thread connection

The consumption values for clipon connections can be up to 30% higher depending on the size of the connection, the range values may be lower.



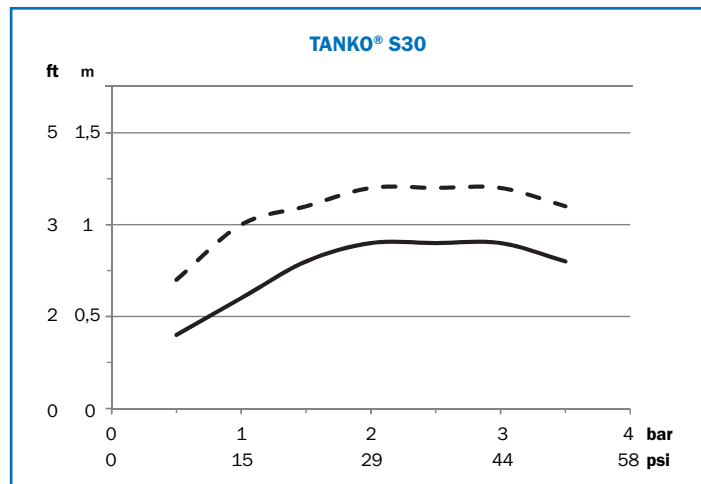
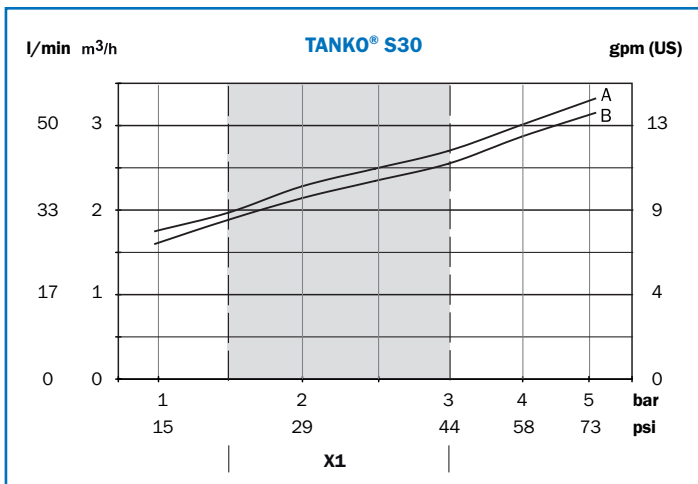
**A** - 360°  
**X1** - recommended operating pressure

--- Wetting radius    — Cleaning radius



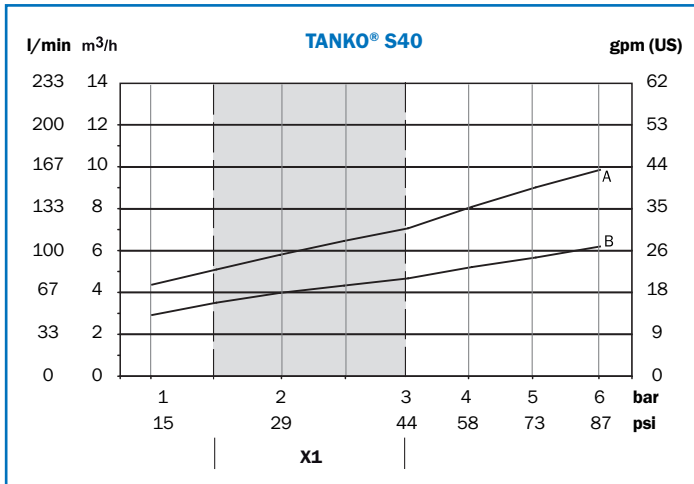
**A** - 360° / 270° upwards    **B** - 180° downwards    **C** - 90° downwards  
**X1** - recommended operating pressure

--- Wetting radius    — Cleaning radius

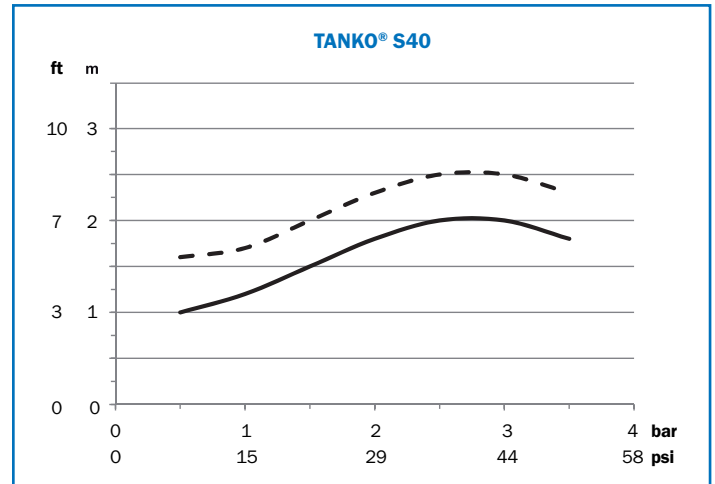


**A** - 360° / 180° upwards / 180° downwards / 90° downwards  
**B** - 270° upwards  
**X1** - recommended operating pressure

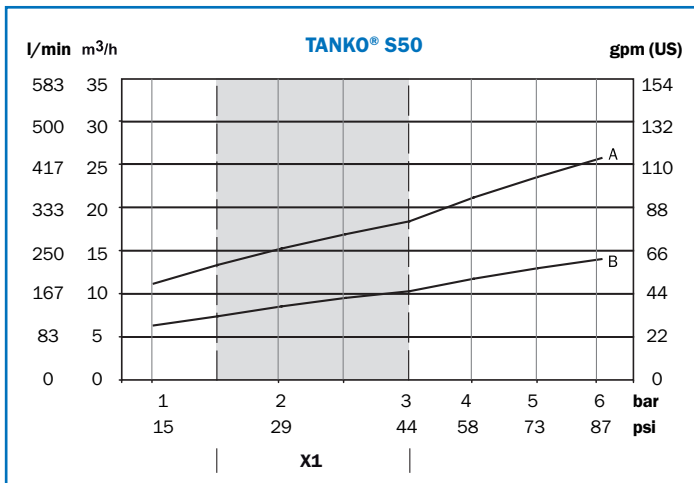
--- Wetting radius    — Cleaning radius



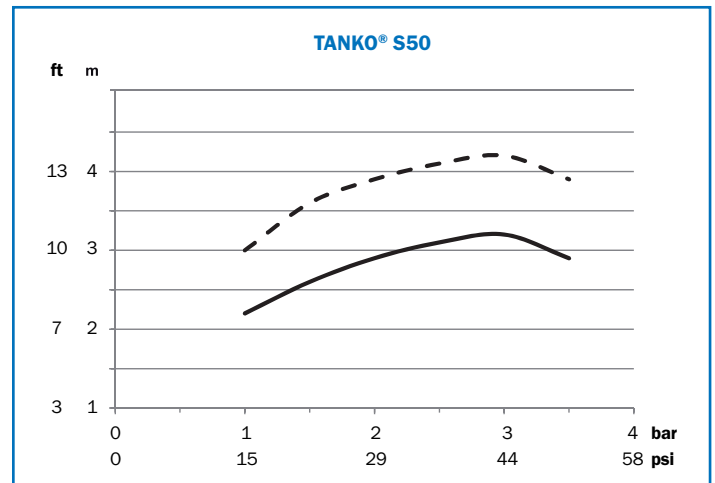
**A** – 360° HF  
**B** – 360° / 270° upwards / 180° upwards / 180° downwards / 90° downwards  
**X1** – recommended operating pressure



--- Wetting radius    — Cleaning radius



**A** – 360° / 270° upwards  
**B** – 180° upwards / 180° downwards  
**X1** – recommended operating pressure



--- Wetting radius    — Cleaning radius

## Surcharge on standard products from the TANKO® S series:

### TANKO® S with Hastelloy Balls

Model	Ball material	Surcharge/EUR
TANKO® S10	2.4610 / HC4	141.00
TANKO® S20	2.4610 / HC4	56.00
TANKO® S20	2.4602 / HC22	62.00
TANKO® S30	2.4610 / HC4	72.00
TANKO® S30	2.4602 / HC22	80.00
TANKO® S40	2.4610 / HC4	120.00
TANKO® S40	2.4602 / HC22	133.00
TANKO® S50	2.4610 / HC4	272.00
TANKO® S50	2.4602 / HC22	302.00

#### Article no.:

Please replace **00** in the Typeicle number with **0A** for 2.4602 or **0B** for 2.4610

Example: 665 03 76**00** 1351 TANKO® S30, 360° Standard

Example: 665 03 76**0A** 1351 TANKO® S30, 360° with balls made of 2.4602 / HC22

Example: 665 03 76**0B** 1351 TANKO® S30, 360° with balls made of 2.4610 / HC4

## Services

## Measuring Report

Number of measuring points	Description	Price/EUR
3	Roughness	35.00
5	Roughness	55.00
2	Δ-ferrite content	45.00

## Surface Treatment

Article no.	Description	Surcharge/EUR
... A	Surface Treatment of TANKO® S to Ra ≤ 0.5 µm (exterior)	67.00
... D	Electropolishing of TANKO® S (exterior)	59.00
... C	Electropolishing of TANKO® S to Ra ≤ 0.4 µm (exterior)	125.00

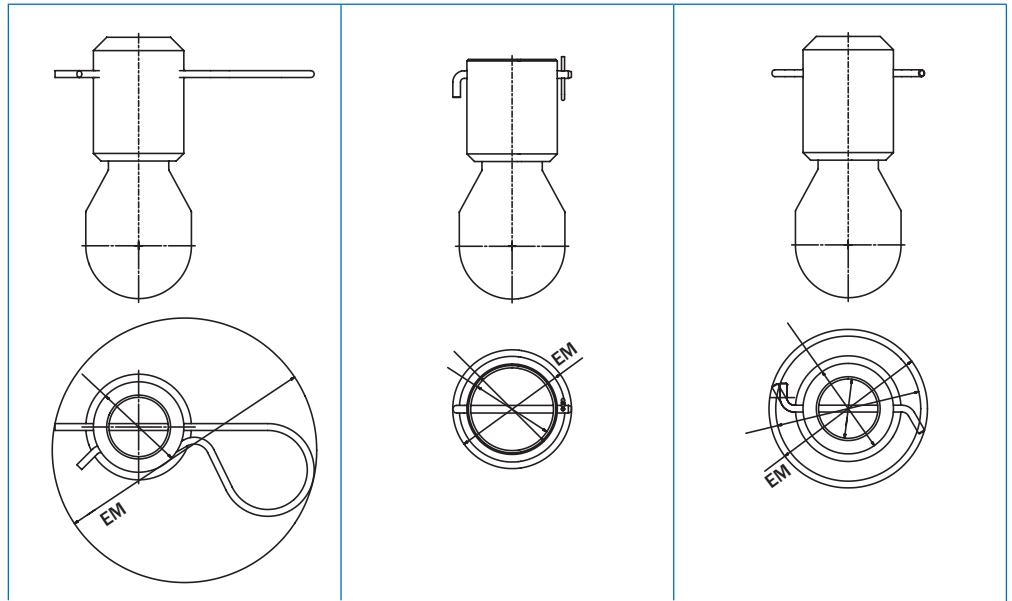
## Article no.:

Please take the respective Typeicle number and add the corresponding treatment letter designation for example: **A** for Ra ≤ 0.5 µm (external) or **D** or **C**.

Example: 665 03 7600 135**1** TANKO® S30, 360° Standard

Example: 665 03 760A 135**A** TANKO® S30, 360° Standard Ra ≤ 0.5 µm (external)

## Installation Dimensions TANKO-S Clipon



Model	Pipe [mm]	Minimum opening [mm] for devices with spring pins*	Minimum opening [mm] for devices with connecting pin & spring pin*	Minimum opening [mm] for devices with wire retaining pin*
		Standard	Take the respective Typeicle-no. S30-S50 and replace the 11th digit with V for connecting pin & spring clip. Example: 665 03 7600 1351 TANKO® S30. 360° Standard ▶ 665 03 7600 1V51 TANKO® S30. 360° Standard with connecting pin & spring pin	ATEX
TANKO® S10				
TANKO® S20		45.00	23.00	36.00
TANKO® S30	19.00/19.05/17.2	76.00	34.00	44.00
TANKO® S30	21.30/22.0	76.00	34.00	44.00
TANKO® S40	23.00 / 25.4 / 22.0 / 20.0 / 25.0 / 29.0 / 26.90	106.00	47.50	70.00
TANKO® S40	33.70	106.00	52.00	70.00
TANKO® S50		174.00	78.00	105.00

\* plus assembly gap 0.5 - 2.0 mmm