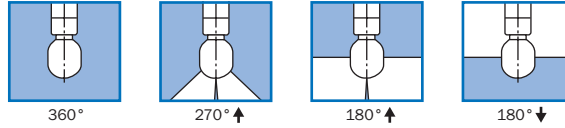


TANKO® RB



The TANKO® RB is a rotating spray head with drilled circular spray openings. Working in the same way as the static spray ball, with larger volume flows at low pressures, but designed as a rotating device, the TANKO® RB wets the vessel walls in a short period of time. Short cleaning periods can be achieved depending on the application. The basic function of the device is retained even if the rotation fails.

If individual spray holes become blocked, the rotation of the device allows the remaining spray holes to compensate for this. This ensures continued complete wetting of the tank walls. The typical application area is in low-pressure solutions that do not require jet cleaner but with higher flow volumes than the TANKO® S. Existing systems can be retrofitted with the TANKO® RB without changing the already validated application. The double ball bearing TANKO® RB can be operated in any installation position, as with the TANKO® S.

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

Technical Parameters

Spray angle:	360°, 270° upwards, 180° upwards, 180° downwards
Materials:	1.4435 (316L), 2.4602 (HC22), bearing balls: 1.4401 (316), optional: 2.4610 (HC4), 2.4602 (HC22)
Connections:	Clipon, thread, orbital weldon connection acc. DIN 11866
Operating pressure:	1.5 - 3 bar / 22 - 43.5 psi *
Working temperature:	Cleaning medium: max. 230 °C / 446 °F (does not apply to ATEX versions!)
Ambient temperature:	Inside the vessel: max. 250 °C / 482 °F (Does not apply to ATEX - versions!)
Volume flow rate:	2.4 - 28.9 m³/h / 40 - 481.7 l/min / 10.6 - 127.2 gpm (US) *
Range:	Cleaning radius: 0.75 - 2.5 m / 2.5 - 8.2 ft
Bearings:	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 RB30, TANKO® EX RB40, TANKO® EX RB64, TANKO® EX RB90 (G = Gas, D = Dust, X at the end of the identification number = Special conditions, see operating instructions)

Ex II 1 G Ex h IIB 85 °C... 225 °C Ga
II 1 D Ex h IIIC T60 °C... T180 °C Da
TÜV-A24ATEX0101 X

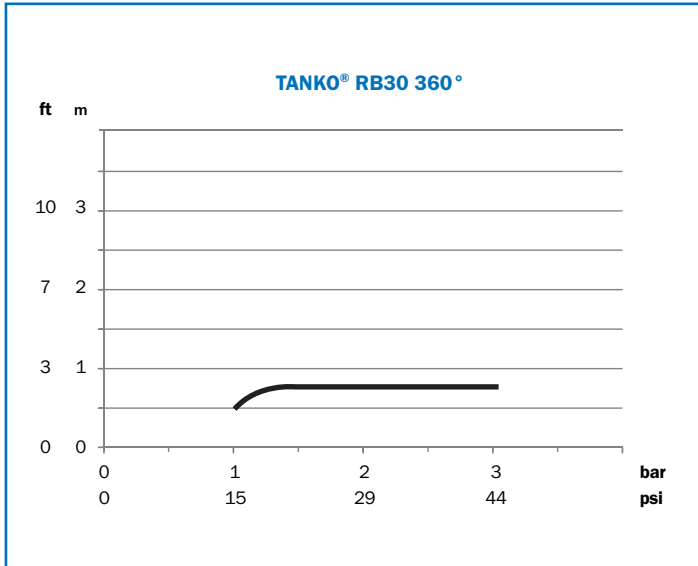
The technical data of the ATEX units can differ from the standard units and this data is provided in the respective operating and installation instructions.

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

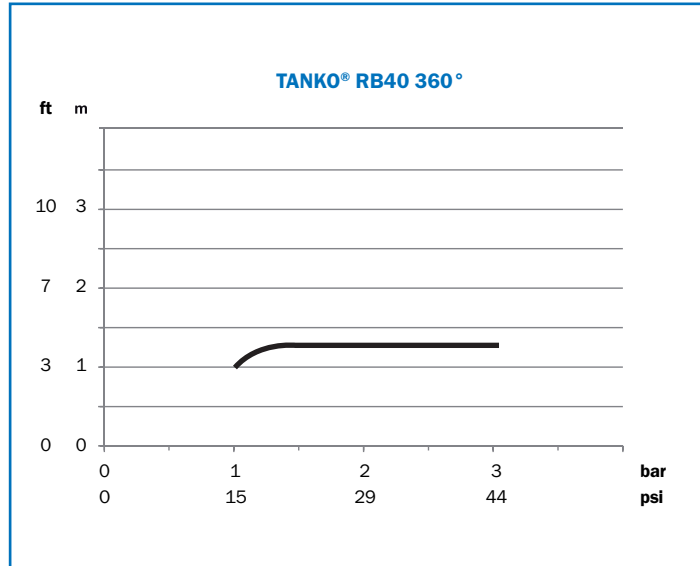
Article no.: please take the respective article number and substitute the value "X" accordingly. E.g.: 661 04 7600 1331 X

Consumption Data and Throw Length Data

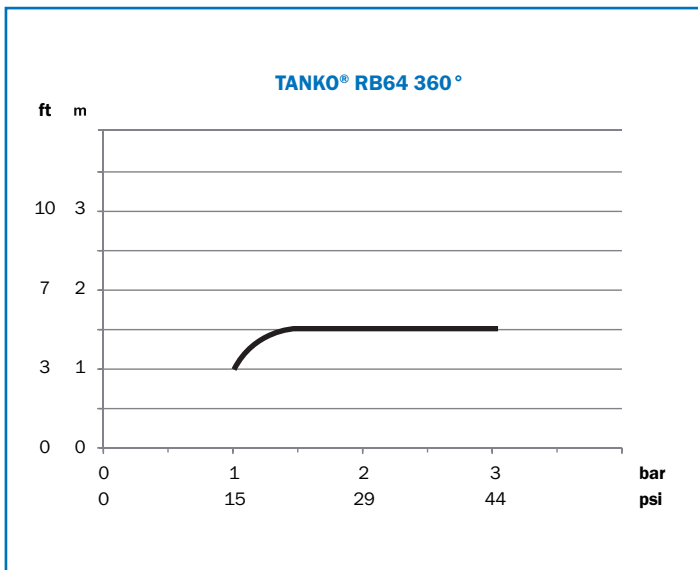
The volume flow rate m³/h (throughput) consumption data of the TANKO® RB is provided in the catalog product tables.



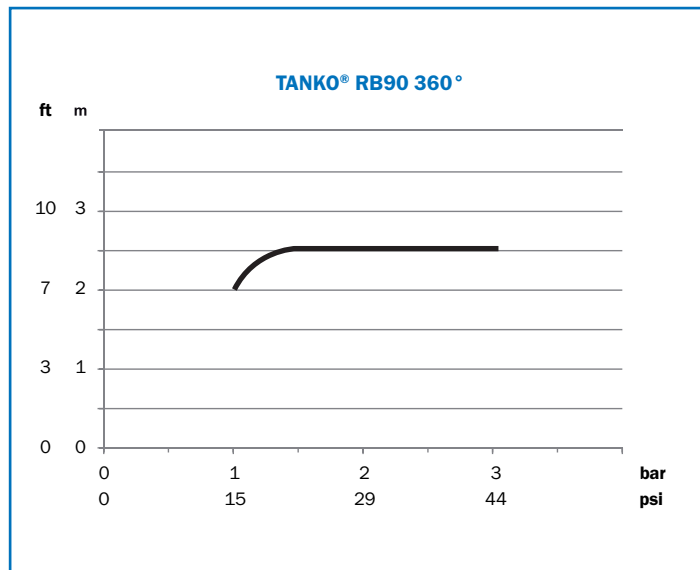
— Cleaning radius



— Cleaning radius



— Cleaning radius



— Cleaning radius

Test conditions for the consumption and range charts:

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.

TANKO® RB

Surcharge on Standard Products from the TANKO® RB Series

TANKO® RB with Hastelloy balls

Model	Ball material	Surcharge/EUR
TANKO® RB30	2.4610 / HC4	64.00
TANKO® RB30	2.4602 / HC22	71.00
TANKO® RB40	2.4610 / HC4	81.00
TANKO® RB40	2.4602 / HC22	90.00
TANKO® RB64	2.4610 / HC4	124.00
TANKO® RB64	2.4602 / HC22	137.00
TANKO® RB90	2.4610 / HC4	224.00
TANKO® RB90	2.4602 / HC22	248.00

Surcharge on standard products from the TANKO® RB series

Article no.: Please replace **00** in the respective article number with **0A** for 2.4602 or **0B** for 2.4610

Example: 661 03 76**00** 1331 TANKO® RB 30, 360° Standard

Example: 661 03 76**0A** 1331 TANKO® RB 30, 360° with balls made of 2.4602 / HC22

Example: 661 03 76**0B** 1331 TANKO® RB 30, 360° with balls made of 2.4610 / HC4

Services

Measuring Report

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

Surface Treatment

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

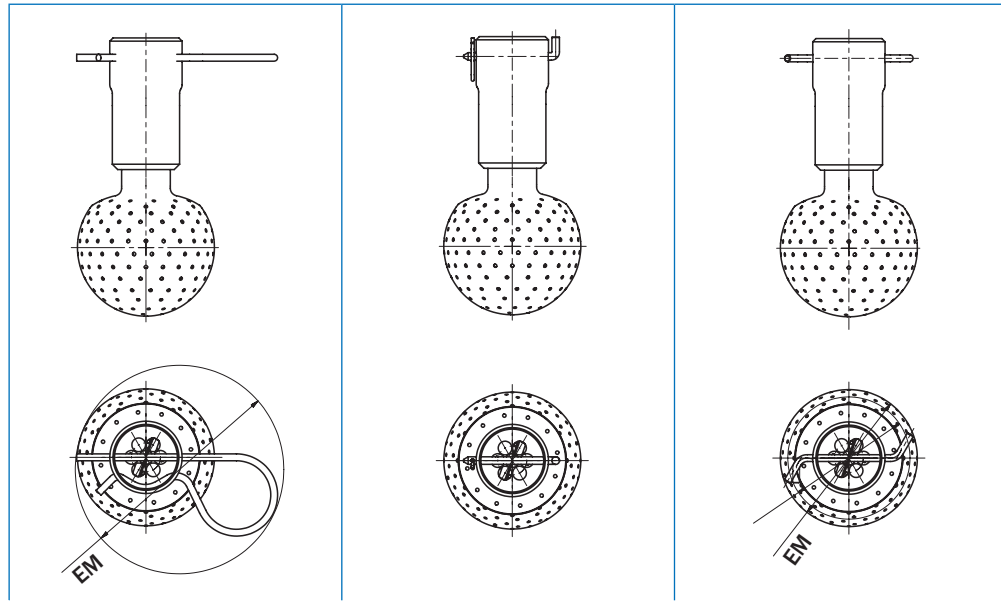
Article no.:

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

Example: 661 03 7600 133**1** TANKO® RB30, 360° Standard

Example: 661 03 7600 133**A** TANKO® RB30, 360° Standard Ra ≤ 0.5 µm (exterior)

Installation Dimensions TANKO-RB 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. RB30-RB90 and replace the 11th digit with V for connecting pin & spring clip. Example: 661 03 7600 1231 TANKO® RB30. 360° standard ▶ 661 03 7600 1V31 TANKO® RB30. 360° standard with connecting pin & spring clip	ATEX & Material 2.4602 (HC22)
TANKO® RB30	12.7 / 13.2 / 17.4	77.0		36.00
TANKO® RB30	19.05	77.0		44.00
TANKO® RB40		77.0	40.00	44.00
TANKO® RB64		107.00	64.00	70.00
TANKO® RB90		137.00	90.00	90.00