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ОЧИСТИТЕЛИ И СТЕРИЛИЗАТОРЫ SANIDISC, SANITOR, TROLL BALLS, TURBO SSB Технические характеристики



Spray Tank Washer Sanidisc

The spray cleaners Clipdisc are designed for use in ultra hygienic applications where product purity and elimination of contamination problems are essential. The simple easily disassembled construction meets all the needs of hygienic design standards. The unique disc design gives instant and complete uniform coverage of all internal surfaces providing a quick aggressive wash.

Advantages

- Ultra Hygienic Design
 - Ball bearing free-increased service life Low Maintenance
 - Quick effective wash
 - FDA conform
 - SIP through the nozzle possible
- Preferred mounting position: any Available for tank safety system VARITOP®

Operation

Wash fluid drives a simple rotating disc. The disc spins providing an instant and total coverage of all the internal surfaces of the vessel. All the wash fluid exits the unit over the disc creating powerful high energy droplets. The wash is fast and aggressive, delivering optimum performance in a short timescale. The units are also ideal for burst rinsing.

Applications

The simple and hygienic design makes the units highly suitable for the pharmaceutical, biotech, food, beverage and other hygiene conscious industries.

Technical Data

	Clipdisc 100	Clipdisc 150
Recommended pressure	2 – 4 bar (29 – 58 psi)	
Cleaning diameter	1.5 m (4.9 ft) max. 3 m (9.8 ft)	4.6 m (15.1 ft) max. 5 m (16.4 ft)
Flow rate	6.0 – 8.1 m³/h 100 -135 l/min 26.4 – 35.7 USgpm	11.0 – 15.8 m³/h 183 – 263 l/min 48.3 – 69.5 USgpm
Spray pattern	360°, optional 180°	
Operating temperature	max. 95 °C (203 °F)	
Ambient temperature	SIP max. 140 °C (284 °F), 30 min	
Insertion opening	min. Ø 80 mm (3.15 inch)	min. Ø 110 mm (4.33 inch)
Materials	Stainless steel 316 (1.4401), 316L (1.4404), PVDF	
Pipe connection	Pin Fix for 1" OD tube (25.4×1.6)	Pin Fix for 1½" OD tube (38.1×1.6)
Weight	approx. 0.2 kg (0.44 lbs)	approx. 0.44 kg (0.97 lbs)

GEA Breconcherry

Rotating cleaners - Sanitor

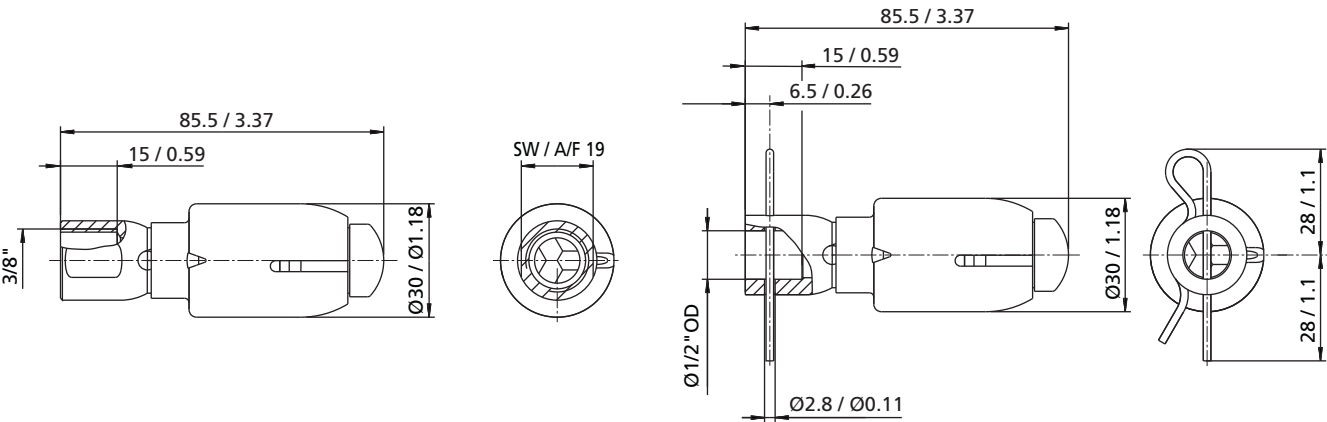


Working pressure:	2 - 20 bar (29 - 290 psi)
Cleaning diameter:	max. 4.8 m (15.1 ft)
Flow rate:	1.5 - 4.8 m³/h (25 - 80 l/min / 6.6 - 21.13 USgpm)
Spray angle:	360°
Operating temperature:	max. 95 °C (203 °F)
Ambient temperature/SIP:	max. 140 °C (284 °F), 30 min
Insertion opening:	BSP/NPT min. Ø 32 mm (1.26 inch) / PinFix min. Ø 60 mm (2.36 inch)
Materials:	stainless steel 316L (1.4404)
Preferred mounting position:	vertical down

- Slow constant rotation
- Low volume flow
- Working pressure up to 20 bar
- No elastomers

Version	number
3/8" BSP ²	4660-3002-010
3/8" NPT ²	4660-3003-010
Pin Fix for 1/2" OD (12.7x1.6mm) pipe ²	4660-3001-010

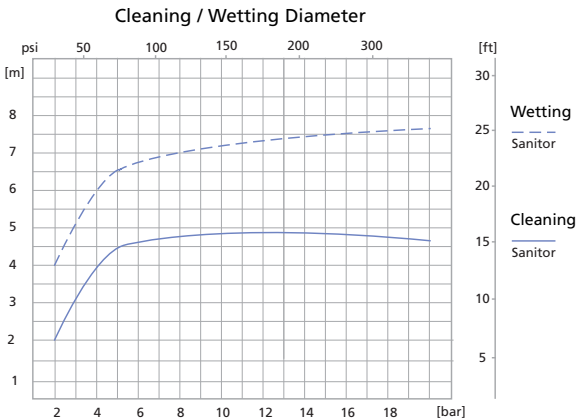
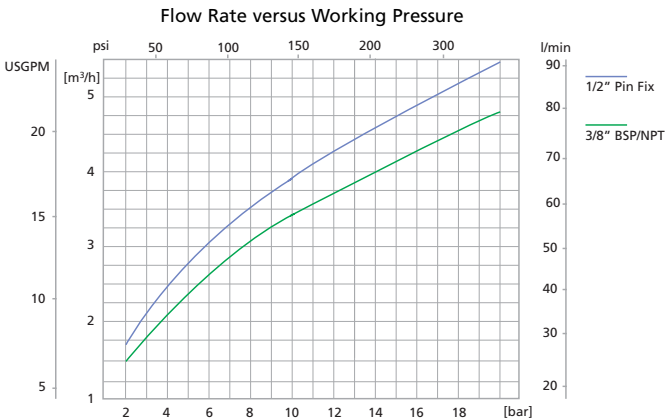
² suitable for use in potentially explosive atmospheres



Female thread

Pin Fix

Dimensions (mm / inch)



GEA Breconcherry

Rotating cleaners - Turbo SSB 40



Pin Fix



BSP/NPT

- Slow constant rotation
- Powerful fan jets

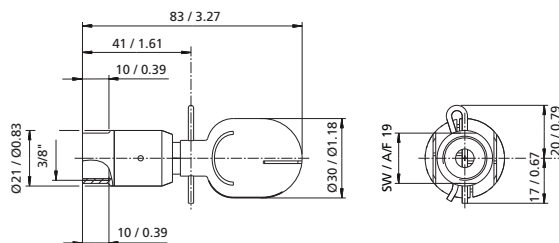
Turbo SSB 40

Working pressure:	2 - 5 bar (29 - 72.5 psi)
Cleaning diameter:	max. 3 m (9.8 ft)
Flow rate:	2.1 - 3.7 m ³ /h (38.3 - 61.7 l/min / 10.1 - 16.3 USgpm)
Spray angle:	360°
Operating temperature:	max. 90 °C (194 °F)
Ambient temperature/SIP:	max. 140 °C (284 °F), 30 min
Insertion opening:	BSP/NPT min. Ø 38 mm (1.5 inch) min. / Pin Fix Ø 57 mm (2.24 inch)
Materials:	stainless steel 316L (1.4404) with C-PTFE or PTFE
Preferred mounting position:	vertical down

Version	Part number
3/8" BSP female / C-PTFE ²	4660-2556-113
3/8" BSP female / PTFE	4660-2555-112
3/8" NPT female / C-PTFE ²	4660-2558-213
3/8" NPT female / PTFE	4660-2558-212

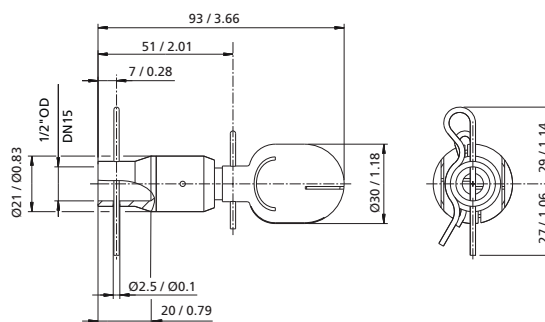
² suitable for use in potentially explosive atmospheres

Version	Part number
Pin Fix for 1/2" OD pipe (12.7 x 1.6 mm) / C-PTFE ²	4660-2557-413
Pin Fix for 1/2" OD pipe (12.7 x 1.6 mm) / PTFE	4660-2561-412
Pin Fix for DN 15 pipe (19 x 1.5 mm) / C-PTFE ²	4660-2557-419
Pin Fix for DN 15 pipe (19 x 1.5 mm) / PTFE	4660-2561-419

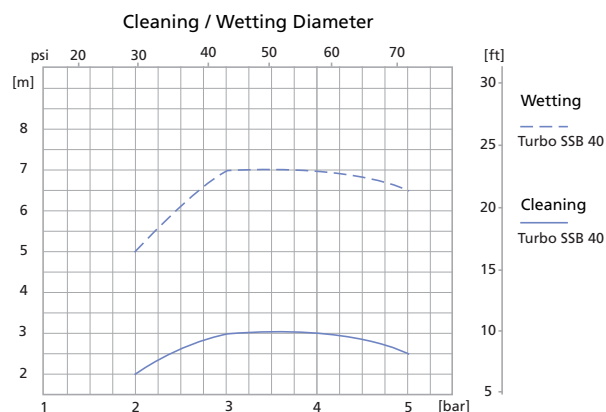
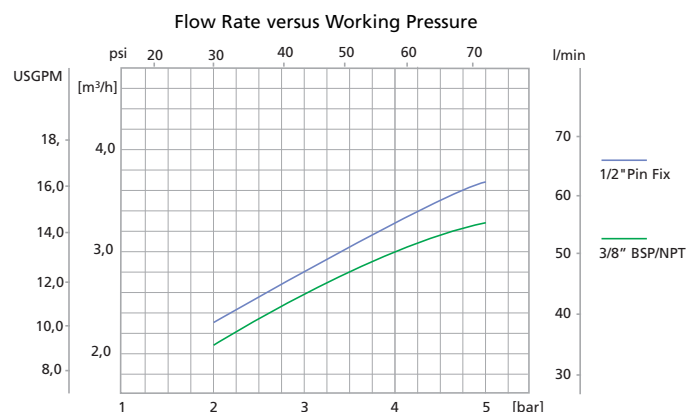


Female thread

Dimensions (mm / inch)



Pin Fix



Rotating cleaners - Turbo SSB 75 / Turbo SSB 75 CS



Turbo SSB 75 Pin Fix

Turbo SSB 75 CS
BSP/NPT

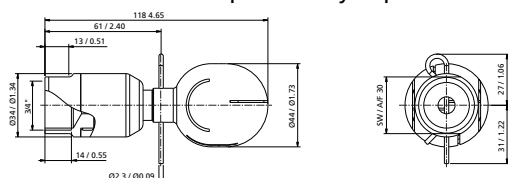
- Slow constant rotation
- Powerful fan jets
- Combined shaft version (CS) without pinned ball

	Turbo SSB 75
Working pressure:	2 - 10 bar (29 - 145 psi)
Cleaning diameter:	max. 4.7 m (15.4 ft)
Flow rate:	3.6 - 9.2 m³/h (60 - 153.3 l/min / 15.85 - 40.5 USgpm)
Spray angle:	360°
Operating temperature:	max. 90 °C (194 °F)
Ambient temperature/SIP:	max. 140 °C (284 °F), 30 min
Insertion opening:	Turbo SSB 75 BSP/NPT min. 60 mm (2.36 inch) / Pin Fix min. Ø 90 mm (3.54 inch) Turbo SSB 75 CS BSP/NPT min. 45 mm (1.77 inch) / PinFix min. Ø 90 mm (3.54 inch)
Materials:	stainless steel 316L (1.4404) with C-PTFE or PTFE
Preferred mounting position:	vertical down

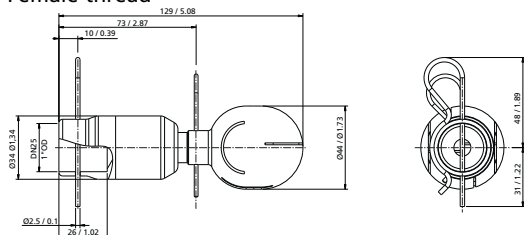
Version	Part number
3/4" BSP female / C-PTFE ²	4660-2337-113
3/4" BSP female / PTFE	4660-2336-112
3/4" NPT female / C-PTFE ²	4660-2341-213
3/4" NPT female / PTFE	4660-2346-212
Pin Fix for 1" OD (25.4 x 1.6 mm) pipe / C-PTFE ²	4660-234
Pin Fix for 1" OD (25.4 x 1.6 mm) pipe / PTFE	4660-2347-412
Pin Fix for DN 25 (29 x 1.5 mm) pipe / C-PTFE ²	4660-2558-413
Pin Fix for DN 25 (29 x 1.5 mm) pipe / PTFE	4660-2558-414

Version	Part number
3/4" BSP female / C-PTFE CS ²	4660-2558-42
3/4" BSP female / PTFE CS	4660-2558-418
3/4" NPT female / C-PTFE CS ²	4660-2558-422
3/4" NPT female / PTFE CS	4660-2558-424
Pin Fix for 1" OD (25.4 x 1.6 mm) pipe / C-PTFE CS ²	4660-2558-423
Pin Fix for 1" OD (25.4 x 1.6 mm) pipe / PTFE CS	4660-2558-425
Pin Fix for DN 25 (29 x 1.5 mm) pipe / C-PTFE CS ²	4660-255
Pin Fix for DN 25 (29 x 1.5 mm) pipe / PTFE CS	4660-2558-419

² suitable for use in potentially explosive atmospheres

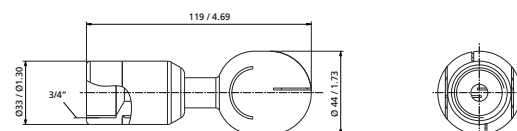


Female thread

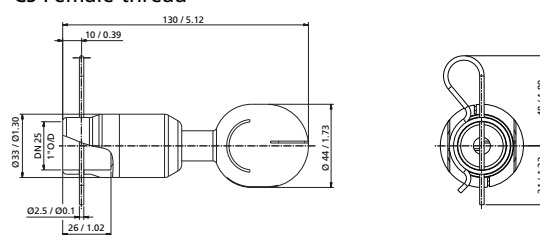


Pin Fix

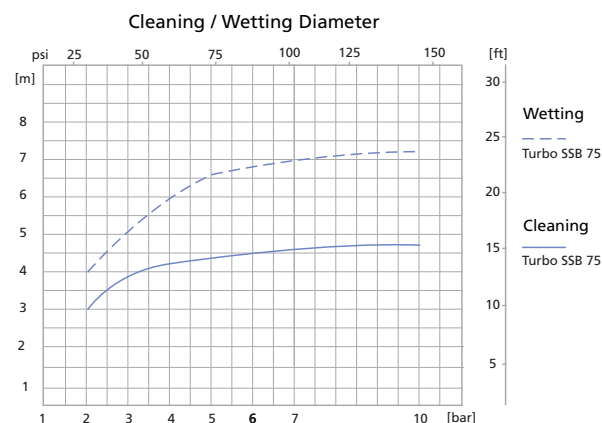
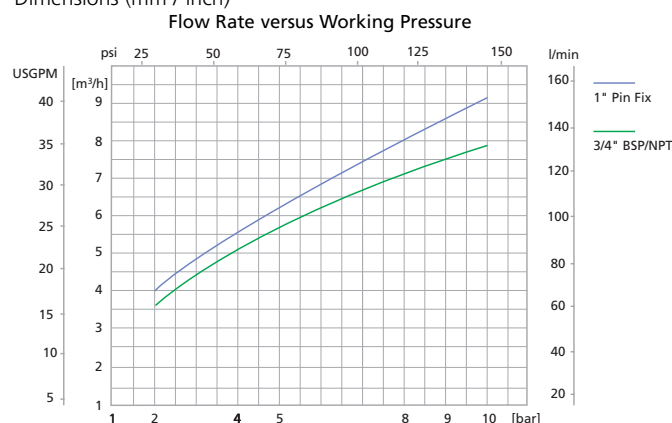
Dimensions (mm / inch)



CS Female thread



CS Pin Fix



GEA Breconcherry

Rotating cleaners - Turbo SSB 125



Pin Fix

BSP/NPT

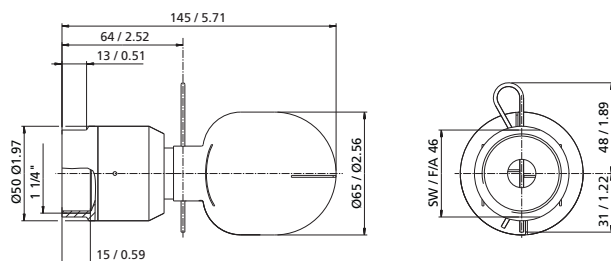
Turbo SSB 125	
Working pressure:	2 - 6 bar (29 - 87 psi)
Cleaning diameter:	max. 10 m (32.8 ft)
Flow rate:	12 - 24.5 m ³ /h (200 - 408.3 l/min / 52.8 - 107.9 USgpm)
Spray angle:	360°
Operating temperature:	max. 90 °C (194 °F)
Ambient temperature/SIP:	max. 140 °C (284 °F), 30 min
Insertion opening:	BSP/NPT min. 90 mm (3.54 inch) / PinFix min. Ø 110 mm (4.33 inch)
Materials:	stainless steel 316L (1.4404) with C-PTFE or PTFE
Preferred mounting position: vertical down	

- Slow constant rotation
- Powerful fan jets

Version	Part number
1 1/4" BSP female / C-PTFE ²	4660-2451-113
1 1/4" BSP female / PTFE	4660-2448-112
1 1/4" NPT female / C-PTFE ²	4660-2558-417
1 1/4" NPT female / PTFE	4660-2453-212

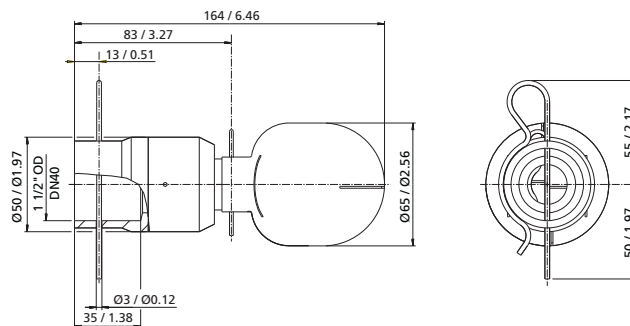
Version	Part number
Pin Fix for 1 1/2" OD (38.1 x 1.6 mm) pipe / C-PTFE ²	4660-2452-413
Pin Fix for 1 1/2" OD (38.1 x 1.6 mm) pipe / PTFE	4660-2454-412
Pin Fix for DN 40 (41 x 1.5 mm) pipe / C-PTFE ²	4660-2558-415
Pin Fix for DN 40 (41 x 1.5 mm) pipe / PTFE	4660-2558-416

² suitable for use in potentially explosive atmospheres

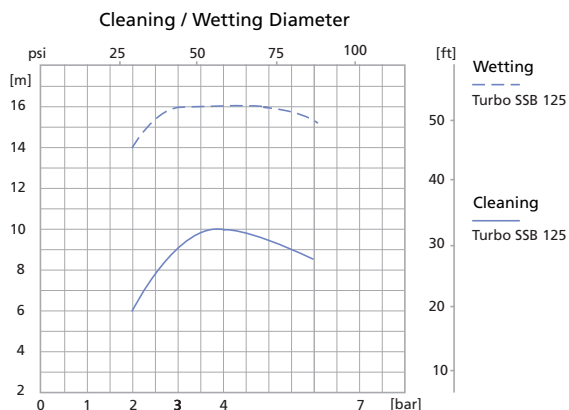
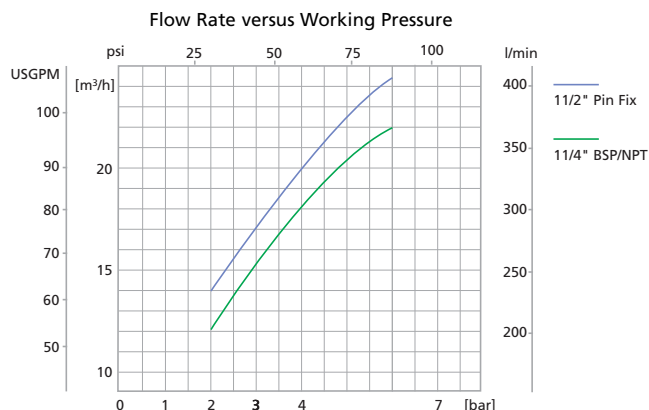


Female thread

Dimensions (mm / inch)



Pin Fix



Jet Tank Washer Troll Ball 2 & 3 Inch

The tank washer Troll Ball simple and effective drive mechanism ensures slow constant rotation speeds. This action provides consistent cleaning when using different cleaning fluids across a wide temperature range. The minimal moving parts provide a very low maintenance, compact cleaning solution.

Advantages

- Economic flow rates
- Ball bearing free-increased service life
- Slow, constant rotation
- Powerful round jets
- FDA conform
- Optional ATEX exempt
- Hygienic and self-cleaning
- SIP through the nozzle possible Preferred mounting position: vertical down

Operation

Wash fluid drives a simple rotating motor, which drives the rotating ball. All the wash fluid exits the unit through the small number of large holes. The specially designed pattern of holes ensures the high power jets use the minimum amount of wash fluid to deliver optimum performance.

Applications

The Troll Ball is ideal for replacing fixed or rotating spray balls. The high energy, high impact jets provide very effective cleaning. Compact in design, effective in performance, they meet all hygienic design requirements, which makes them highly suitable for the pharmaceutical, and biotech industries as well as food, beverage and other hygiene conscious industries.

Technical Data

	Troll Ball 2 Inch	Troll Ball 3 Inch
Recommended pressure	3 - 12 bar (43.5 - 174 psi)	3 - 12 bar (43.5 - 174 psi)
Cleaning diameter	max. 4.4 m (14.4 ft)	max. 7.0 m (22.9 ft)
Flow rate	3 – 6 m³/h (50 - 100 l/min / 13.2 - 26.4 USgpm)	8.0 – 16.2 m³/h (133.3 - 270 l/min / 35.2 - 71.3 USgpm)
Spray pattern	360° (optional 180°)	
Operating temperature	max. 120 °C (248 °F)	
Ambient temperature	SIP max. 140 °C (284 °F), 30 min	SIP max. 140 °C (284 °F), 30 min
Insertion opening	min. Ø 70 mm (2.75 inch)	min. Ø 90 mm (3.54 inch)
Materials	Stainless Steel 316L(1.4404), C-PTFE or PTFE	
Pipe connection	3/4" BSPT, NPT or BSP female	1 1/2" BSPT or NPT female
Weight	approx. 1.1 kg (2.2 lbs)	approx. 2.3 kg (5.07 lbs)

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