

Tuchenhagen

VARIPURE® In-Line Sprayer

with retractable spray head for tank and pipe cleaning





Characteristics of the VARIPURE® In-Line Sprayer

- 1. Electrical components in the control module are fully splash-water protected (up to IP67).
- 2. Sturdy and reversible actuator – spring-toclose/air-to-open or vice versa.
- Air backup of the spring is possible.
- ECOVENT®-E actuators with direct internal air supply from the control module.
- 4. Open lantern for visual inspection of the stem seal and the valve's switching position.

- 5. The machine rolled valve spindle finish provides for excellent wiping action as it passes through the seal, ensuring long life of the stem seal.
- 6. Housing with one or two sockets.
- The metallic stop of the valve disk provides a defined deformation of the seal, ensuring long seal life.
- 8. Seat ring and guide for the spray head.
- Retractable spray head
 Easy to fit and remove thanks to the hinged clamp.

VARIPURE[®] In-Line Sprayer IS 25 . . .

... is fitted with a spray head that is extended into the tank or pipe for cleaning.

Decisive advantage:

After the cleaning operation, the spray head is retracted to its resting place and is flush with the tank/pipe wall; the spray head no longer projects into the product chamber.

The In-Line Sprayer helps you to s ignificantly reduce cleaning costs as it dispenses with the need to accumulate cleaning solution in agitator tanks or to flood the pipes.







Pipe weld-in flange type IS



Tank weld-in flange type T50/40

Tank weld-in flange type IS-T

Feedback



Feedback via mounting for proximity switch Alternatively: Control module

Pipe and tank connections



Housing connection T 50/40 for welding into the tank bottom or tank shell



Housing connection IS-T as adapter and for welding into the tank shell



Housing connection IS (IS pipe) for welding for pipes from DN 200 and as adapter to different radia

Advantages

- As the spray head does not project into the product chamber it cannot constitute a source of contamination during production
- Gap-free seal
- Especially suitable for installation in pipes, tank walls and VARIVENT[®] in-line housing

• Self-cleaning

Areas of application and cleaning angles





Т

G

Tank, installation from the top



Tank, installation from the bottom



Data in [mm and °]	Α	В	W1	W2	С	D	Ε	F	G	н	К	L	C1 \	W3	М	Ν	C2	W4
Spray hole B 0.6 mm	1,000	1,200	48°	34°	800	800	700	700	2.000	300	900	900	800	98°	900	900	2,000	90°
Spray hole B 0.8 mm	1,500	1,500	48°	34°	800	800	700	700	2.500	700	900	900	800	98°	900	900	2,000	90°

Two types of spray heads are available: Spray head B 06 (all holes 0.6 mm) Spray head B 08 (all holes 0.8 mm)

Flow rates (optimum operating pressure 1.8 to 2.5 b	Flow	rates (o	optimum	operating	pressure	1.8	to	2.5	bar)
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Pressure [bar]	1.5	1.8	2.0	2.2	2.5
Flow rate B 0.6 [m ³ /h]	2.9	3.2	3.4	3.5	3.8
Flow rateB 0.8 [m ³ /h]	4.2	4.6	4.8	5.1	5.4

Technical characteristics

- Operationally safe and reliable
- Spring-actuated closing and pneumatic opening
- Vacuum resistant up to 0.1 bar abs.
- Feedback via control module
- Feedback via mounting for proximity switch
- ATEX zone 0G/20D possible
- Sealing rings (FDA)
 - EPDM
 - FKM
 - FFKM (resistant to solvents)

- Cleaning temperature max. 98 °C
- Can be steamed for 30 min. at 140 $^{\circ}\mathrm{C}$
- Hot air for 30 min. at max. 190 °C (FFKM)
- Material 1.4435/316L
- Material certificates for product contact parts according to EN10204-2.2 and EN10204-3.1
- Surfaces: product contact Ra $\leq 0.8 \ \mu m$
- Pipe connection dimensions according to: - DIN 29x1.5 mm
 - ISO 33x2.0



A company of GEA Group

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