



VALV aseptic PNSYS

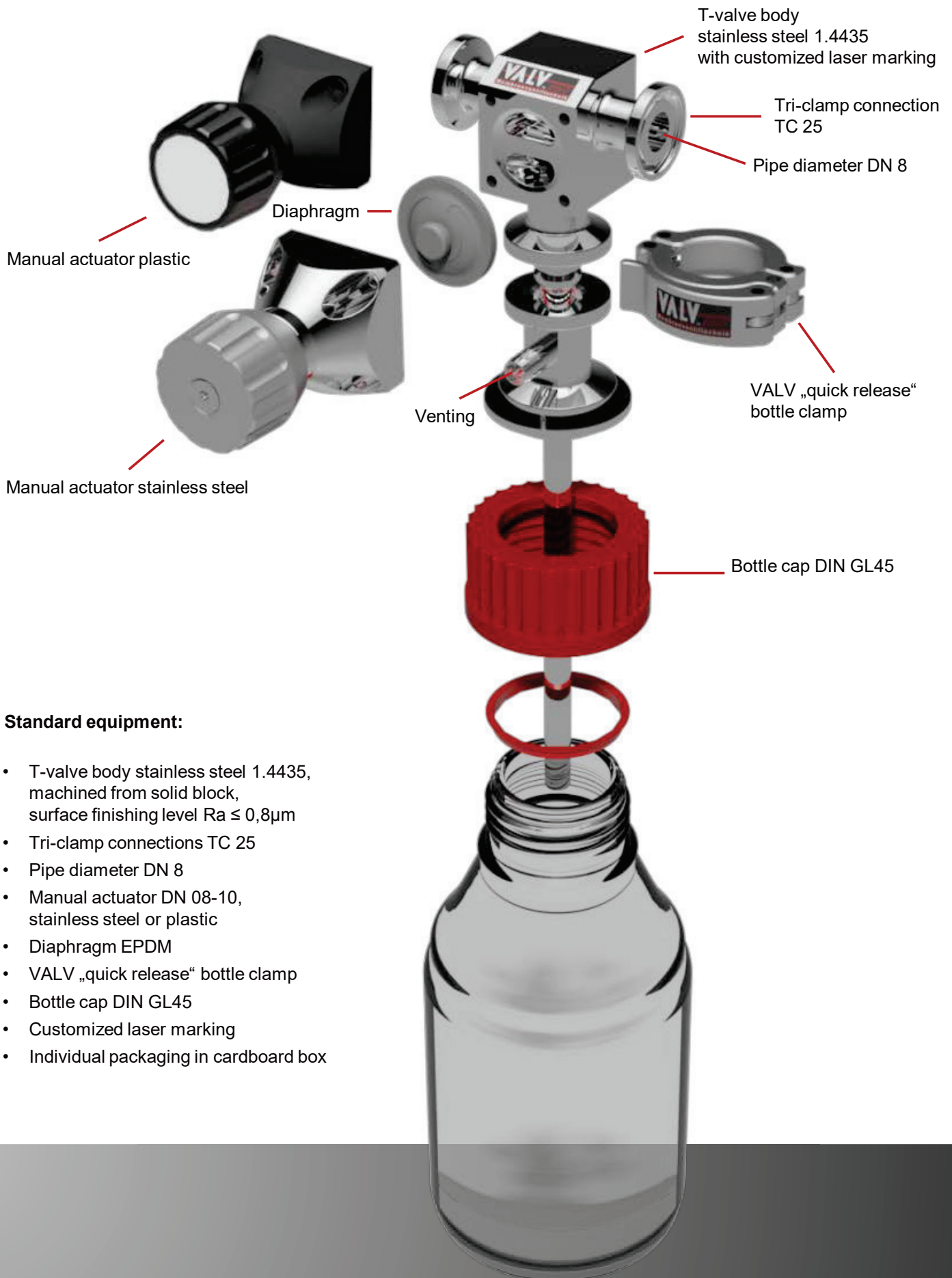
**Safe,
Simple &
Smart**

way of

Sample Taking

Technical Information

System Overview



Standard equipment:

- T-valve body stainless steel 1.4435, machined from solid block, surface finishing level $Ra \leq 0,8\mu m$
- Tri-clamp connections TC 25
- Pipe diameter DN 8
- Manual actuator DN 08-10, stainless steel or plastic
- Diaphragm EPDM
- VALV „quick release“ bottle clamp
- Bottle cap DIN GL45
- Customized laser marking
- Individual packaging in cardboard box

Technical Information & Data

VALV **aseptic PNSYS** is a proven system for taking samples from product lines, particularly in pharmacy, biotechnology, chemistry as well as food and beverage.

The special manufacturing technology of VALV **aseptic** valve bodies which are machined from one solid block ensures void-free and absolutely homogeneous surfaces. In conjunction with the dead-space-free design residue-free emptying and easy cleaning are ensured.

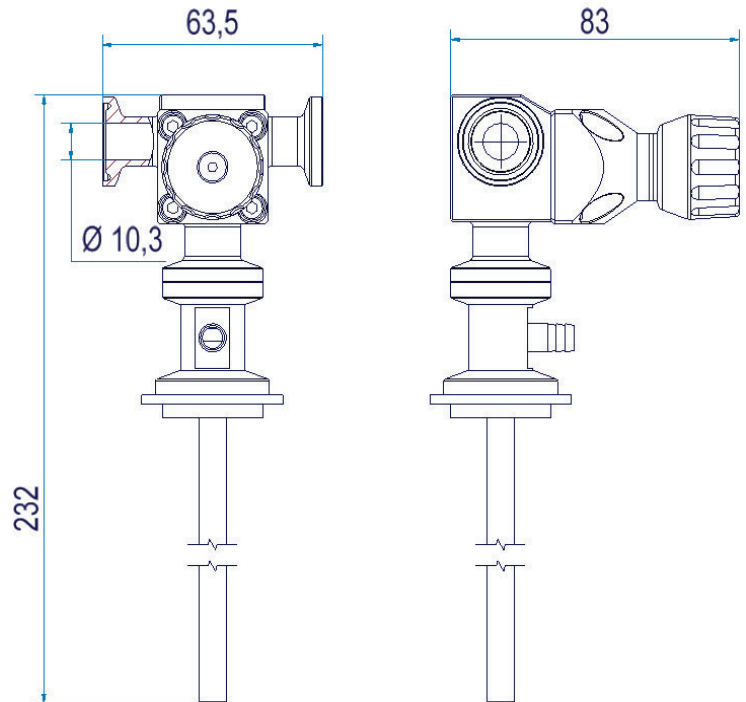
According to customer requirements and the area of applications VALV **aseptic PNSYS** can be variably configured for various facilities and pipeline sections.

Authentication and Certificates

3.1.B certificates of compliance for the valve bodies and FDA declarations of conformity for selected diaphragms are available upon request.

Diaphragms

VALV **aseptic PNSYS** can be equipped with a variety of diaphragms. Please see the materials and specifications from the table below.



The advantages in a nutshell:

- Valve body machined from one solid block
- 100% homogenous material - Pore and crack-free, no internal material movement or varying density
- Self-draining, dead-space-free design
- Optimized streamlined fluid flow, minimized swirlings
- Few parts, reliable operations
- Harmonized system, easy assembly
- Low documentation efforts (only one certificate for valve body)
- Totally closed design, easy to clean, autoclavable up to 130°C

Material	Temperature in C°	Media							Hydro-carbons			Over stretching	Abrasion resistance	Rebound elasticity	FDA
		Water	Acid	Base	Oil + Grease	Fuel	Ozone	aliphatic	aromatic	chlorinated					
EPDM	-30 / +150	++	++	++	-	-	++	-	-	-	+	+	+	yes	
TFM / EPDM	-20 / +150	++	++	++	++	++	++	++	++	++	+	+	+	yes	
FPM (Viton)	-30 / +200	+	+	+	++	++	++	++	++	++	+	+	-	on request	
VMQ (Silicon)	-50 / +200	+	*	+	+	-	+	-	-	-	-	*	+	yes	
NR (Rubber)	-30 / +80	+	*	+	-	-	-	-	-	-	++	++	++	no	
NBR (Perbunan)	-40 / +110	+	+	+	+	+	*	++	-	-	+	++	+	no	
HNBR (Terban)	-40 / +150	+	+	+	+	+	*	++	-	-	+	++	+	no	
CSM (Hypalon)	-20 / +120	+	++	++	+	-	++	+	-	-	+	+	-	no	
CR (Neoprene)	-30 / +120	++	+	+	*	-	++	+	-	-	+	+	+	no	

++ excellent; + very good; * good; - unacceptable

Highest surface quality

VALV stands for high-grade surface finishes. Our range is from Ra ≤ 0,8µm, down to Ra ≤ 0,2µm.

Finishing Level	Method
Ra 0,8 µm	Standard, grinding
Ra 0,8 µm	Standard, electro polishing
Ra 0,6 µm	Grinding, polishing
Ra 0,6 µm	plus electro polishing
Ra 0,4 µm	Grinding, polishing
Ra 0,4 µm	plus electro polishing
Ra 0,2 µm	Fine polishing
Ra 0,2 µm	plus electro polishing

Order Information

Below you find order information for VALV **aseptic PNSYS** in standard configuration.

Please contact us if you need any other specifications or customized solutions.

VALV **aseptic PNSYS / SS**

T-valve body stainless steel 1.4435, machined from solid block
Surface finishing level $Ra \leq 0,8\mu m$
Tri-clamp connections TC 25
Pipe diameter DN 8
Manual actuator DN 08-10, stainless steel
Diaphragm EPDM
VALV „quick release“ bottle clamp
Bottle cap DIN GL45
Customized laser marking
Individual packaging in cardboard box

please contact us for prices and bulk discounts

VALV **aseptic PNSYS / P**

T-valve body stainless steel 1.4435, machined from solid block
Surface finishing level $Ra \leq 0,8\mu m$
Tri-clamp connections TC 25
Pipe diameter DN 8
Manual actuator DN 08-10, plastic
Diaphragm EPDM
VALV „quick release“ bottle clamp
Bottle cap DIN GL45
Customized laser marking
Individual packaging in cardboard box

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DURAN® Laboratory bottle
DIN thread GL 45, pouring ring ETFE

Diaphragm TFM or FPM

Diaphragms other materials

Surface finishing other levels (down to $Ra \leq 0,2\mu m$)

Customized solutions

·
·
on request

on request

on request