

DIAPHRAGM VALVE MANUFACTURER

# VALAM

S.A.I.C.

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**SANITARY DIAPHRAGM VALVES**



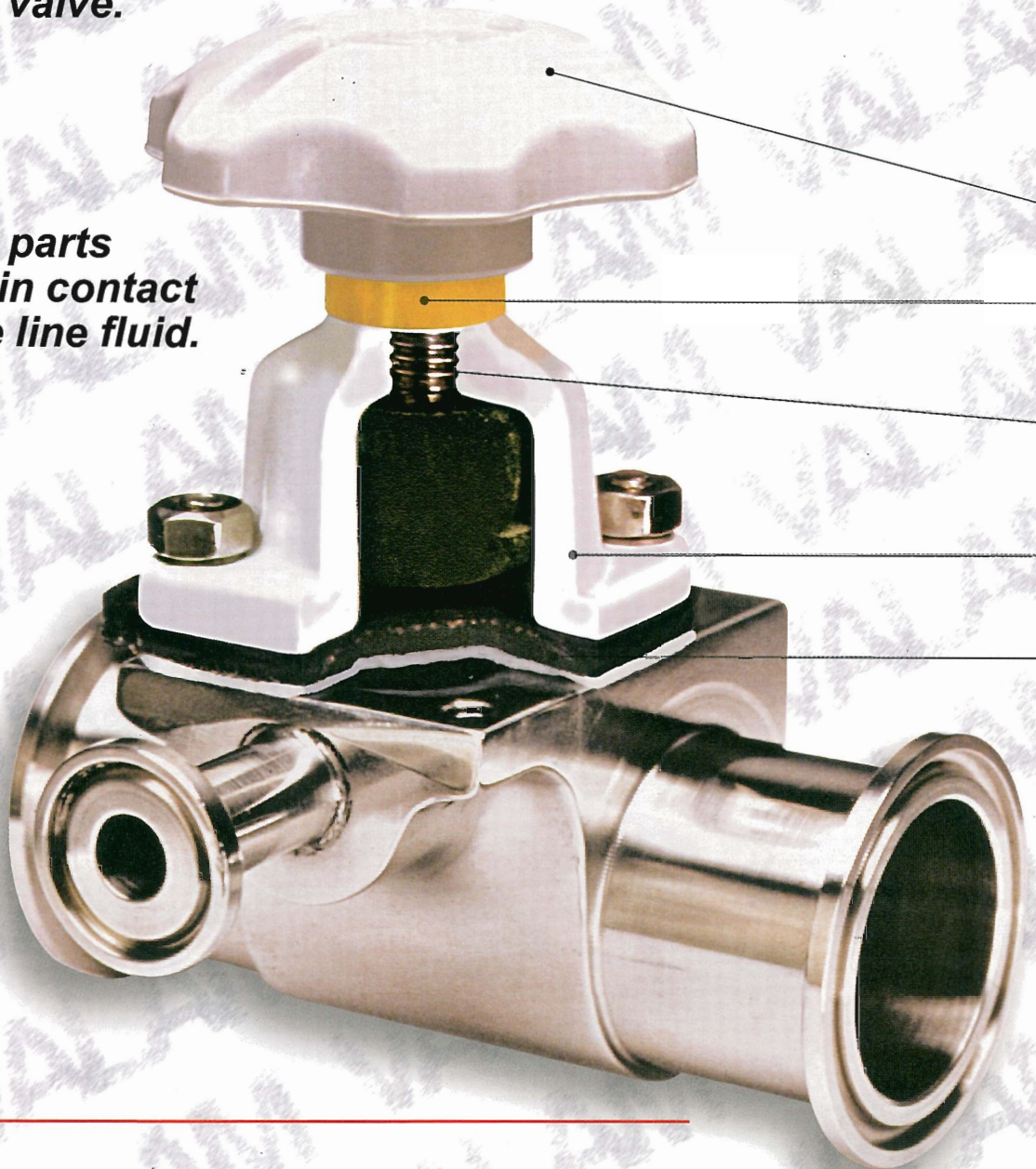
*The most  
hygienic valve,  
resulting  
in product purity*



# Valam<sup>®</sup> sanitary diaphragm valves

*A unique design which, together with the quality and finish of the forged 316L stainless steel, provides high product purity from an economical and leakproof valve.*

*Internal parts are not in contact with the line fluid.*



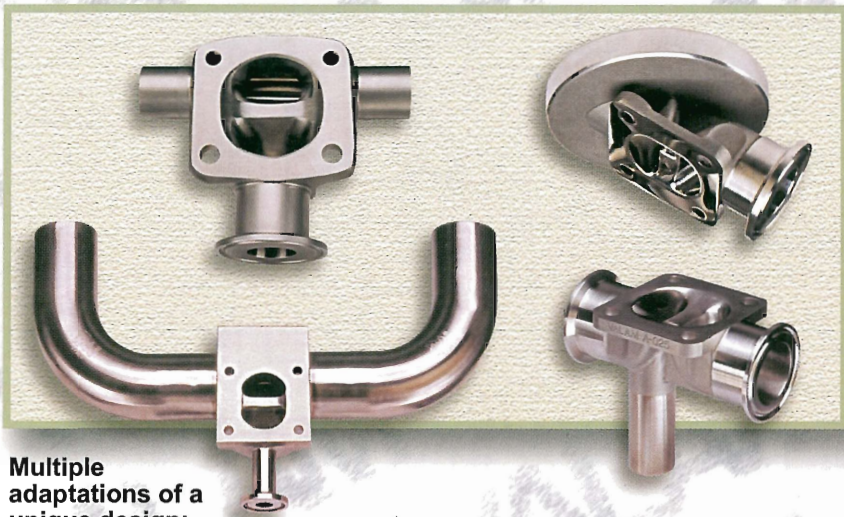
## **Unique and unbeatable design**

- Long diaphragm life due to short stem travel.
- Excellent performance, in regulating as well as in ON-OFF services.

## **Wide application range**

- The large variety of body options, diaphragm materials and operating methods allow the valve's use in the majority of sanitary applications, satisfying your needs.





**Multiple adaptations of a unique design:**

"T" bodies, "L" bodies, Tank bottom, Point of Use.



**Body options.**

- Various grades of polished surfaces, according to your requirements.
- Butt-weld, Socket-weld and Clamp ends.
- Forged or lost wax cast bodies.

**Handwheel**

Comfortable, for fast operation.

**Yellow Indicator**

Indicates valve position, even from a distance, and does not interfere with valve operation

**Stem**

Lubricated, and sealed from atmosphere by the yellow indicator sealing lip, which offers protection against wear and external contamination.

**Bonnet assemblies**

Options of stainless steel, polymer coated or epoxy painted bonnet assemblies avoid external corrosion.

**Diaphragm**

Design criteria achieve a strong and reinforced diaphragm, guaranteeing leakproof closure, security and long life. There is an appropriate diaphragm for each fluid, from a wide range of synthetic and natural rubbers or PTFE.

**Characteristics.**

*The pocketless design provides a high level of hygiene, as well as a frictionless, aerodynamic flow, which protects even the most delicate fluids.*

*The design allows for the complete selfdraining of the installation, achieving the required cleanliness.*

**Certification.**

*Full material and surface finish certification and traceability.*



**Low maintenance costs**

Long life of the three parts

- (1) Manual or pneumatic bonnet assemblies.
  - (2) Diaphragm.
  - (3) Body.
- Diaphragm replacement is fast, easy, and without removing the valve from the line

**Operating flexibility**

- Manual and pneumatic operating mechanisms are interchangeable, even without removing the valve from the line.

**100% leakproof**

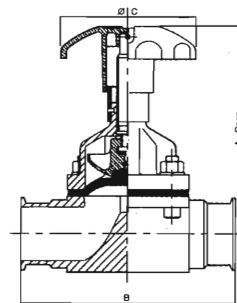
- Diaphragm closure without friction guarantees a leakproof seal, even with particles in the fluid.
- Industrial vacuum also successfully handled.

**Approved quality**

- Top international technology used in manufacture.
- International Quality Standards applied.



# Basic details of sanitary diaphragm valves.



## DIMENSIONS (mm), WEIGHTS (Kg) and PRESSURES (bar)

### GENERAL DIMENSIONS

Valve size (DN)		A	B	C	Weight
mm	Inch				
15	1/2	86	108	62	0,80
20	3/4	88	118	62	1,30
25	1	109	127	80	1,40
40	1 1/2	158	159	120	4,10
50	2	180	191	120	6,40

Valve size (DN)		Triclamp diameter		Tube dimensions for Bs16 swg welding		Pressures	
mm	Inch	Exterior diameter	Interior diameter	Exterior diameter	Wall thickness	Diaphragm	
						Rubber	PTFE
15	1/2	25,0	9,50	12,7	1,63	16	7
20	3/4	25,0	15,80	19,05	1,63	16	7
25	1	50,4	22,00	25,4	1,63	16	7
40	1 1/2	50,4	34,80	38,1	1,63	16	7
50	2	63,9	47,50	50,8	1,63	16	7
65	2 1/2	77,4	60,50	63,5	1,63	10	7
80	3	90,9	73,00	76,2	1,63	10	7

Other dimensions on request

### FORGED SURFACE POLISHES

Maximum Ra ( $\mu$ m-microns).

Polish	Interior	Exterior
Without polish	1,00	As forged
Sanitary	0,50	0,50
Mirror	0,25	0,25

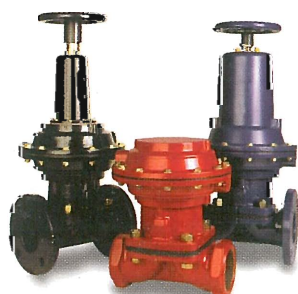
1 micron = 39,3701 micro-inches  
 1 micro-inch = 0,0254 microns  
 Surface electropolish is available

### AVAILABLE OPTIONS OF "T" BODIES

Valve size (DN)		Tube diameter						
mm	Inch	12,7	19,05	25,4	38,1	50,8	63,5	76,2
15	1/2	●	●	●	●			
20	3/4		●	●	●			
25	1			●	●	●		
40	1 1/2				●	●	●	●
50	2					●	●	●

Our technical Sales Department can recommend the appropriate valve for each application.

## VALAM® Valves - available worldwide.



Automatic



Straight Through



Hydrant



Weir



Check

FO-0005. 4/01

Manufactured by:

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