

Tiss International

PRODUCT RANGE

- **Pharmaceutical Industry Equipment OEM**

Isolators: Rigid – Glove Port/ Gloves (Hypalon, Butyl, Nitrile) & Flexible

High Containment Split Butterfly Valves - Imported

- **Steel Industry**
- **Chemical Industry Rubber & Engineering Plastics products Tailor made to your specifications**
- **Textile Industry**

PIERCAN USA INC.

Your Glove Containment Expert

CSM Product Sheet

High Resistance to UV Rays/Ozone/Natural Aging
Particularly Adapted when Hydrogen Peroxide and Per Acetic Acids are Used
Very Resistant to Reducing Acids, Diluted Acids, Alkalis, and Salts

Resistant to Reducing Acids

High Temperature Limit: 260°F

Shelf Life: 3 Years

Standard Length: 32" +/- 1 inch

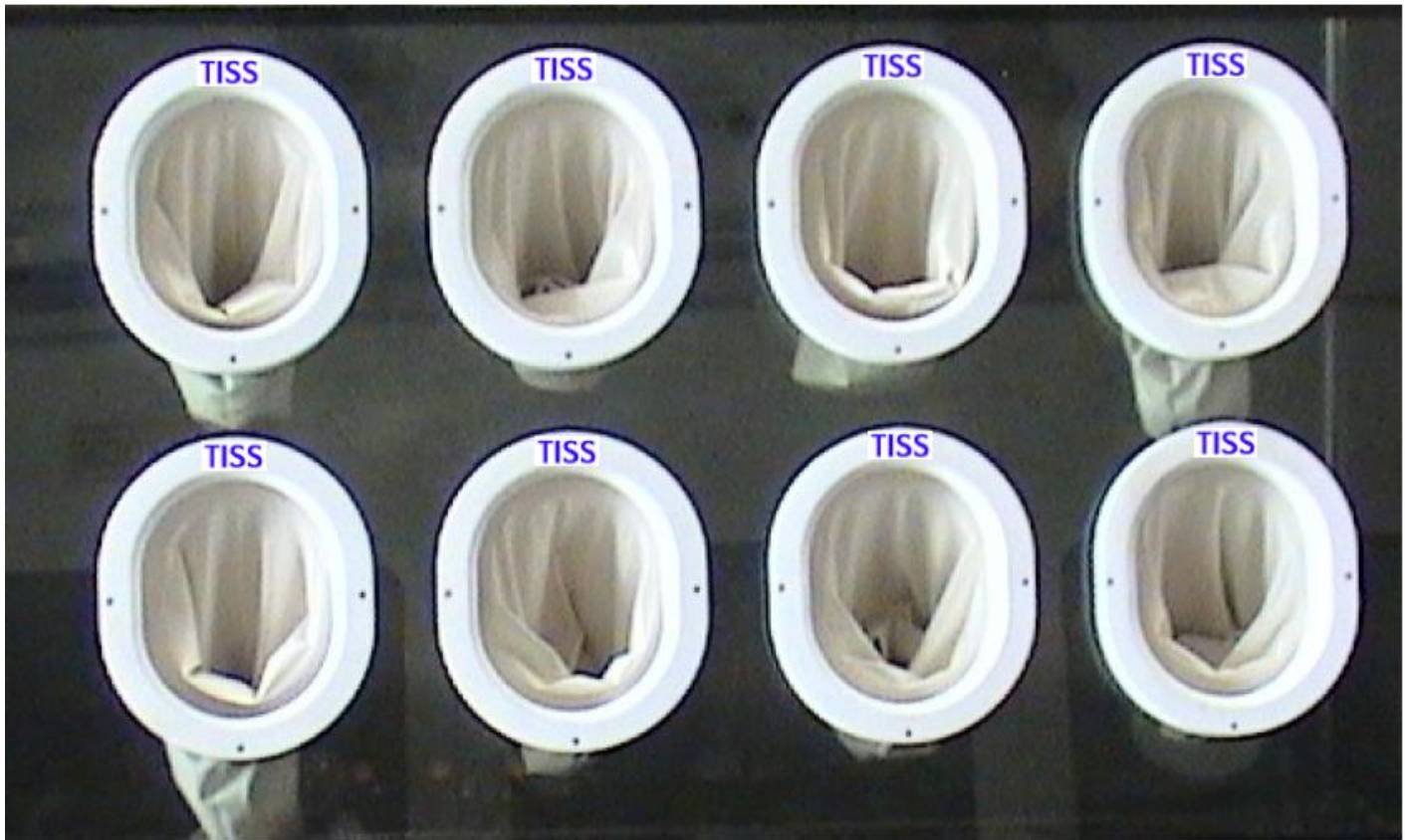
*Any Length Requirements Other than Standard is Custom

*Call for Pricing

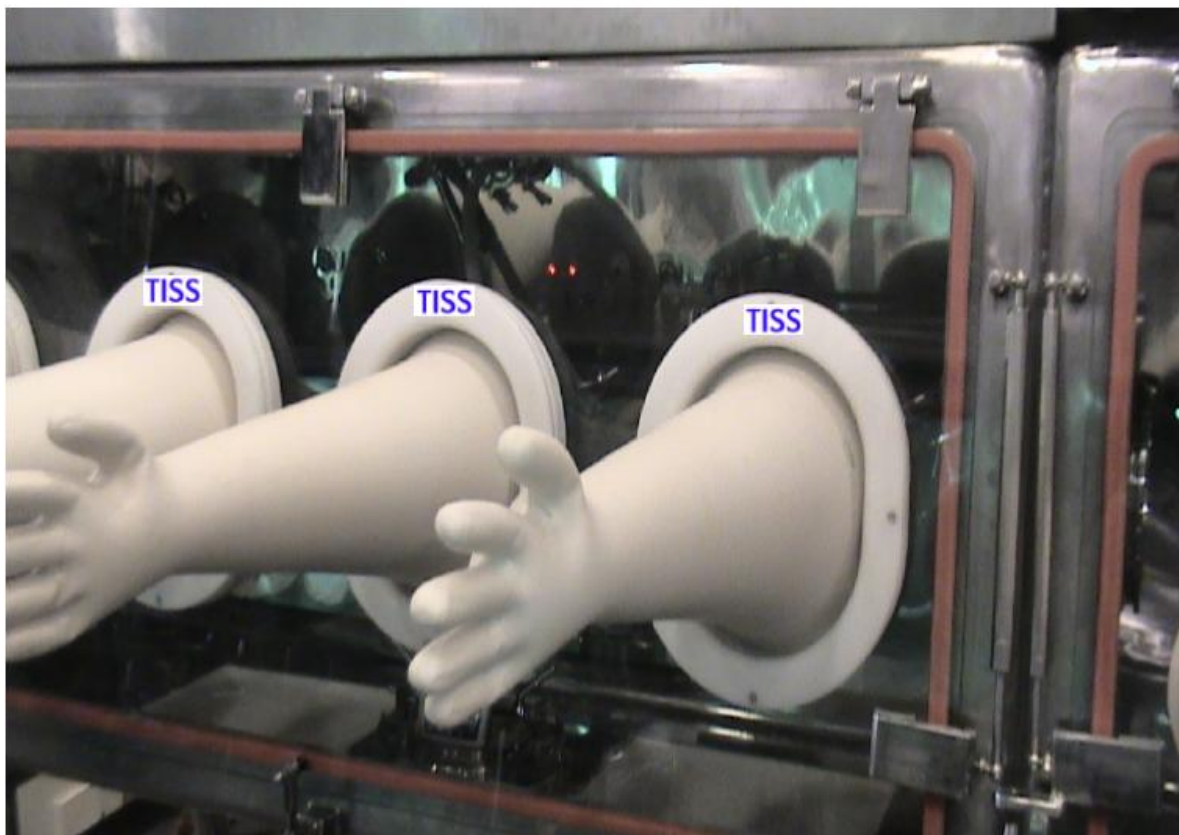
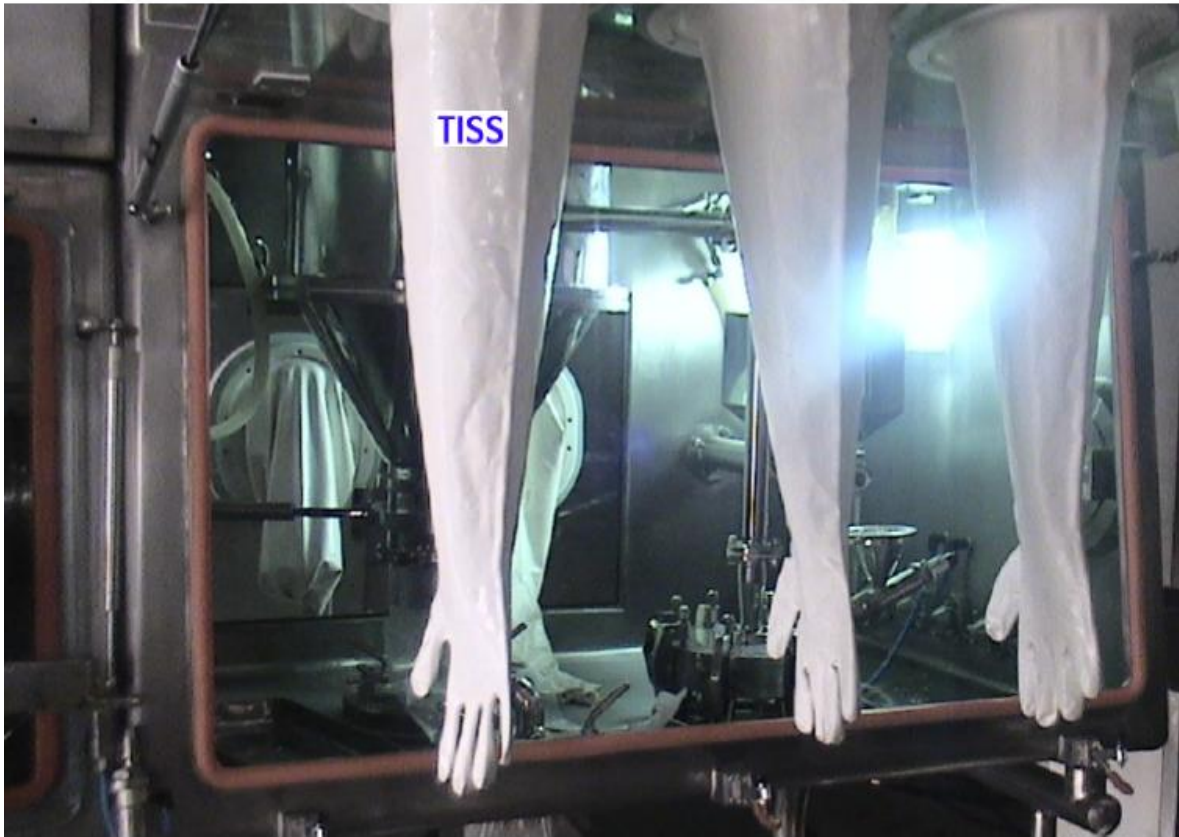
NAICS CODE: 339113

6Y1532-X	6" (150mm)	15 mil (0.4mm)	32" (812 mm)	8.5, 9.75, 10.5	A or L/R
6Y2432-X	6" (150mm)	24 mil (0.6mm)		8.5, 9.75, 10.5	A or L/R
7Y1532-X	7" (175mm)	15 mil (0.4mm)		9.75, U	A
7Y2432-X	7" (175mm)	24 mil (0.6mm)		9.75, U	A
8Y1532-X	8" (200mm)	15 mil (0.4mm)		8.5, 9.75, 10.5, U	A or L/R
8Y2432-X	8" (200mm)	24 mil (0.6mm)		8.5, 9.75, 10.5, U	A or L/R
10Y1532-X	10" (250mm)	15 mil (0.4mm)		8.5, 9.75, 10.5	A
10Y2432-X	10" (250mm)	24 mil (0.6mm)		8.5, 9.75, 10.5	A
12Y1532-X	12" (305mm)	15 mil (0.4mm)		9.75	A
12Y2432-X	12" (305mm)	24 mil (0.6mm)		9.75	A
Y15-X		15 mil (0.4mm)	13" (330mm)	5, 6, 7, 8, 9, 10	A
Y24-X		24 mil (0.6mm)	13" (330mm)	5, 6, 7, 8, 9, 10	A

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*VALVES FOR HIGHEST REQUIREMENTS***1. General**

The containment split valve is suitable for the dust-proof decanting of powders and granulates. The containment system consists of an active and a passive valve which seal the filling or discharge stations and the mobile vessels dust-free. The Passive Valve is capable for Vacuum process.

The active valve is mounted on the process station and the passive valve is fitted on the mobile process equipment, e.g. container or drums. Manual operation or fully automatic drive for the active valve is possible.

OEL:

Depend on the design, the Andocksysteme valve is capable for operations with $OEL < 1\mu g/m^3$ (confirmed by the latest airborne test according SMEPAC Guidelines).

The Standard Valve without suction port is capable for products with OEL 1-10 $\mu g/m^3$ according SMEPAC Guidelines.

NOTE: Maybe residual powder could be visually detected at the contact zone of disc and main sealing. This actuality caused by powder sticks on the disc edge meanwhile operation. The amount depend on the product characteristic (swab test SMEPAC). In order to reduce these residual particles a vacuum extraction is recommended. The Andocksysteme valves with active flange and integrated suction port are capable for vacuum extraction.

Sterilisation SIP/Autoclave:

Valves with PTFE seal (size DN50/DN100/DN150) are capable for steam sterilisation process (121 $^{\circ}$ at approx. 2 bar). External sterilisation in an autoclave even sterilisation in place is possible.

Surface Roughness:

All stainless steel parts if not other stated (excluding instruments and buying parts):

Contact Parts: $Ra < 0.8\mu m$

Non Contact Parts: $Ra < 1.6\mu m$

VALVES FOR HIGHEST REQUIREMENTS
Specification Active Valve with Activeflange and integrated suction port:

The Active Valve is fixed to the Process Unit. Either manual or pneumatic actuators are possible for the operation of the Active Valve. A mechanical bayonet lock is integrated in the centring unit for the locking of the Active and Passive half-valve after the docking process.



The Active Valve with Activeflange has an integrated suction port. An external vacuum ejector or the HVAC could be connected to it. This feature gives mechanically cleaning of the disc surfaces before and after the docking of the valves.

Technical specification:

Diameter:	DN 100 DN 150
Main Sealing material:	EPDM white FDA compliant
Disc Sealing material:	EPDM white FDA compliant
Product touching parts:	Stainless Steel 1.4404 / 316 L
Body / Locking device:	Stainless Steel 1.4301 / 304
Glide:	PEEK
Suction Port:	Connection Tri Clamp

Specification manual drive:

We supply two hand levers for the operation of the locking device and one hand lever for the operation of the valve disc.

Technical specification:

Handlever:	Stainless Steel 1.4301 / 304
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Specification Tri Clamp:

We supply a Tri Clamp flange to fix the Valve with the process unit.

Technical specification:

Material of construction:	Stainless Steel 1.4404 / 316L
Size:	DN100 according DIN32676 DN150 according BS4825-3

VALVES FOR HIGHEST REQUIREMENTS
2.2. Passive Valve with Tri Clamp
Specification Passive Valve:

The Passive Valve is the non driven part of the docking system and mainly connected to the mobile process unit, e.g. IBC / Bin or Drum. It consists of the half disc, the body and a seal and the retainer for the centring/locking device.

The active and passive discs are sealed to each other in the docked and locked position.



We want to highlight that the passive valve could be docked also turned by 180° to the active valve.

Technical specification:

Diameter:	DN 100 DN 150
Sealing material:	EPDM white FDA compliant
Product touching parts:	Stainless Steel 1.4404 / 316 L
Body / Locking device:	Stainless Steel 1.4301 / 304
Glide:	PEEK
Weight:	Approx. 6 kg (incl. Tri Clamp)

Specification Tri Clamp:

We supply a Tri Clamp flange to fix the active valve to the process unit. The clamp and seal is not in our scope of supply.

Technical specification:

Material of construction:	Stainless Steel 1.4404 / 316L
Size:	DN100 according DIN32676 DN150 according BS4825-3

VALVES FOR HIGHEST REQUIREMENTS

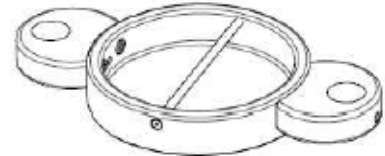
2.3. Optional: Accessories (Price on request)

2.3.1. Lid for Active Valve

Specification Active Lid:

The lid for the active valve is to prevent the unintentional opening. It is the same principle whether the active valve is set and afterwards locked with the passive valve.

The lid besides protects the surface of the flap disk against foreign types of dust or damages.



Technical specification:

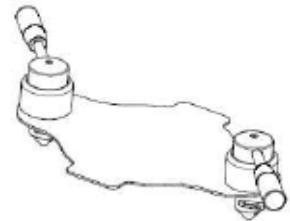
Material:	Stainless Steel 1.4301 / 304
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2.3.2. Lid for Passive Valve

Specification Passive Lid:

The lid for the passive is to prevent the unintentional opening. It is the same principle whether the passive valve is set and afterwards locked with the active valve.

The lid besides protects the surface of the flap disk against foreign types of dust or damages.



Technical specification:

Material:	Stainless Steel 1.4301 / 304
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2.3.3. Opening Tool

Specification Opening Tool:

It is a manual handle to open the passive disc (only with EPDM seal) without the active valve.



Technical specification:

Handle	Stainless Steel 1.4301 / 304
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VALVES FOR HIGHEST REQUIREMENTS

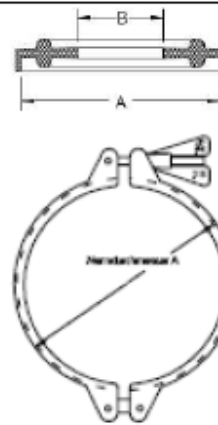
2.3.4. Tri Clamp Connection Kit

1x Tri Clamp seal

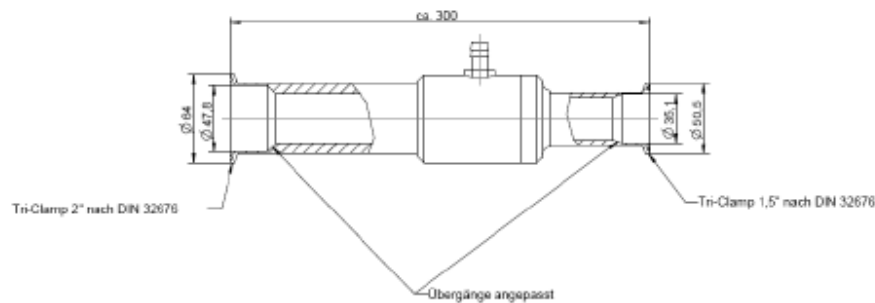
Material: EPDM

1x Tri Clamp Fastener

Material: 1.4408/316



2.3.5. Vacuum Eductor



Scope of supply:

- PIAB Ejector SS300 with Tri Clamp connection on both ends

Technical specification PIAB 300SS:

Material:	Stainless Steel, Viton
Recommended feed pressure:	0.4MPa (Max feed pressure 0.6MPa)
Vacuum flow at 0.6MPa	152 NI/s
Max. vacuum at 0.6MPa	-12,5 kPa
Weight:	Approx. 2,5kg

VALVES FOR HIGHEST REQUIREMENTS

6. Product Overview



Containment Valves



Wash and Cleaning Equipment



Stainless steel or Plastic Drums



Product Sampler



Bellows and Compensators



Flexible Containment Equipment

