# PROCESS ASSEMBLY



**G 040**
Point of Use A38
Valve Body SO19 + SIP 12 Valve
& Sampling SO12 + SIP 12 Valve

**G 060**
Point of Use A50
Valve Body SO19 + SIP 12 Valve
& Sampling SO12 + SIP 12 Valve

**G 165**
Extended Point of Use on 50
Valve Body SO38 extended +
FT25 + SO25

**G 170**
Extended Point of Use on 63
Valve Body SO38 extended +
FT25 + SO25

**G 210**
Bottom Point Assembly
Type B

**G 260**
Bottom Point Assembly
Type C

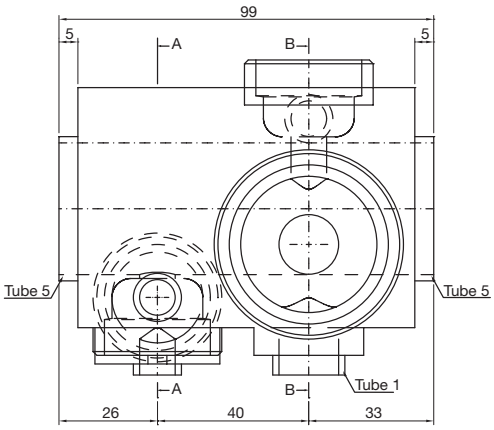
**G 300**
2 Functions Deep Tube
Sprayball A19

**G 305**
3 Functions Deep Tube
Sprayball Sparger A19

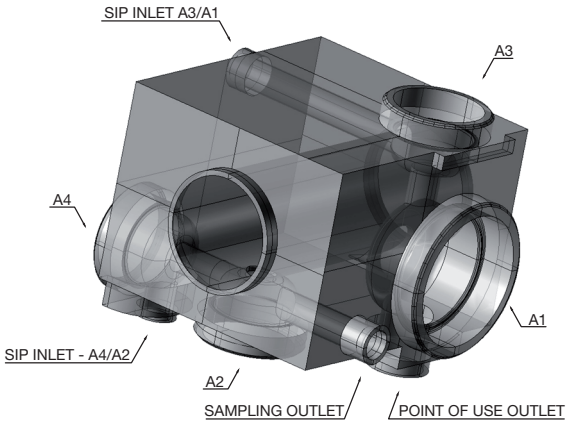
**G 400**
Flow Control Valve

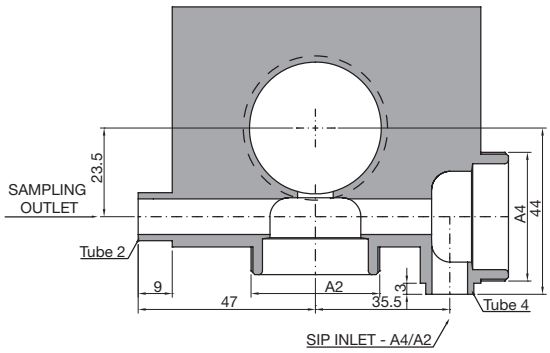
TECHNICAL INFORMATION _ **CAT. N. YP38 SOCL SOCL A1912**

# POINT OF USE A38
# VALVE BODY SO19 + SIP 12 VALVE
# & SAMPLING SO12 + SIP 12 VALVE

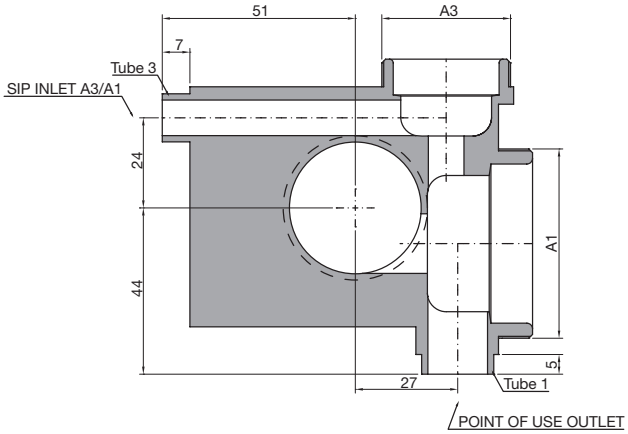



Front view




Section A-A




Section B-B

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

**Point of Use Assembly** for SAFE areas engineered to give the best solution for Aseptic Sampling and Aseptic Point of Use in one tool ready to use, with Zero Dead legs, without Unused Portions and with flush flow seal. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. They fulfill all stringent requirements for CIP-SIP activities. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

| CODE | A1 | A2 | A3 | A4 | TUBE 1* mm (inch) | TUBE 2* mm (inch) | TUBE 3* mm (inch) | TUBE 4* mm (inch) | TUBE 5* mm (inch) |
|---|---|---|---|---|---|---|---|---|---|
| YP38-SOCL-SOCL-**A1912** | A19-M50x1 | A12-M34x1 | A12-M34x1 | A12-M34x1 | 19,05x1,65 (0,75x0,065) | 12,70x1,65 (0,50x0,065) | 12,70x1,65 (0,50x0,065) | 12,70x1,65 (0,50x0,065) | 38,10x1,65 (1,50x0,065) |

(*) US Tube ASTM® A269/270 – ASME BPE

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CAD
CLEAN & ASEPTIC DESIGN

## SPECIFICATION:

| CAD VALVE POSITION | A1 | A2 | A3 | A4 | | | |
|---|---|---|---|---|---|---|---|
| CAD VALVE SIZE | A19 | A12 | A12 | A12 | | | |

| NET VOLUME(1) | ml | 10,23 | 2,86 | 2,86 | 2,86 | | | |
|---|---|---|---|---|---|---|---|---|

(1) Internal valve cavity only, for each cavity, with diaphragm on site

| MATERIAL | 1,4435-BN2 - Low Ferrite - Low Sulphur |
|---|---|

**Design Temperature:** -80 to 200 ºC (-112 to 392 ºF)

**Application Areas:** SAFE

**Design Pressure, Valve Body:** -1 to 10 bar (-14.5 to 145 psi)

**Note:** The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

**Surface Roughness:** Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

**Surface Treatment:** Available also on EP version - Elettropolishing after manual polished

**Labeling:** Each valve body is labeled for full LOT traceability

**Packaging:** Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

**Quality Control:** Quality Assurance System guarantees the control and traceability of the product.

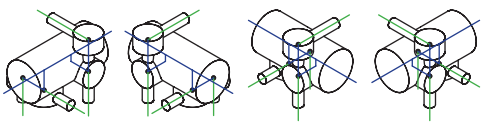
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

**Standard design:** Shut Off bodies are available also to 180°, tangential outlet Left or Right

**Options:** For non-standard CAD Valve body Options, please contact us for further information.

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



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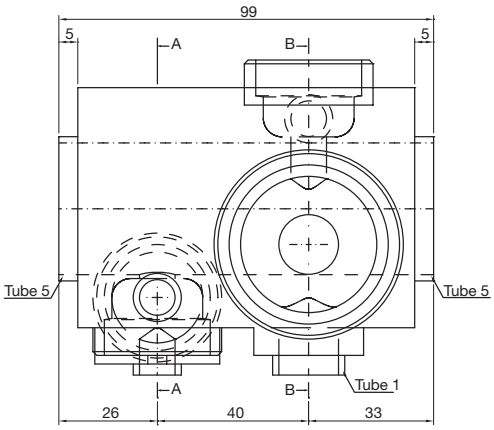
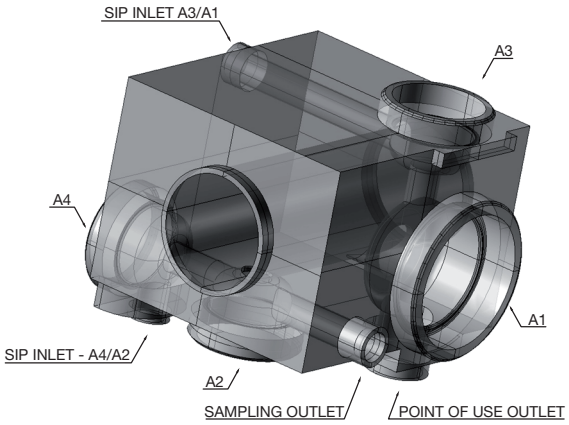
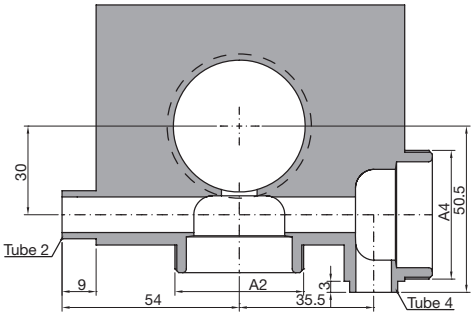
TECHNICAL INFORMATION _ **CAT. N. YP50 SOCL SOCL A1912**

# POINT OF USE A50
# VALVE BODY SO19 + SIP 12 VALVE
# & SAMPLING SO12 + SIP 12 VALVE

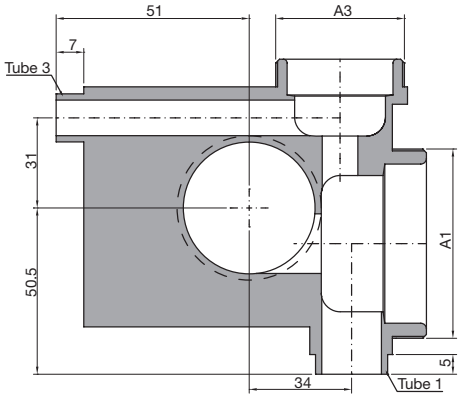



Front view




Section A-A




Section B-B

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

**Point of Use Assembly** for SAFE areas engineered to give the best solution for Aseptic Sampling and Aseptic Point of Use in one tool ready to use, with Zero Dead legs, without Unused Portions and with flush flow seal. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. They fulfill all stringent requirements for CIP-SIP activities. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

| CODE | A1 | A2 | A3 | A4 | TUBE 1* mm (inch) | TUBE 2* mm (inch) | TUBE 3* mm (inch) | TUBE 4* mm (inch) | TUBE 5* mm (inch) |
|---|---|---|---|---|---|---|---|---|---|
| YP50-SOCL-SOCL-**A1912** | A19-M50x1 | A12-M34x1 | A12-M34x1 | A12-M34x1 | 19,05x1,65 (0,75x0,065) | 12,70x1,65 (0,50x0,065) | 12,70x1,65 (0,50x0,065) | 12,70x1,65 (0,50x0,065) | 50,80x1,65 (2,00x0,065) |

(*) US Tube ASTM® A269/270 – ASME BPE

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CAD
CLEAN & ASEPTIC DESIGN

## SPECIFICATION:

| CAD VALVE POSITION | A1 | A2 | A3 | A4 | | | |
|---|---|---|---|---|---|---|---|
| CAD VALVE SIZE | A19 | A12 | A12 | A12 | | | |

| NET VOLUME(1) | ml | 10,23 | 2,86 | 2,86 | 2,86 | | | |
|---|---|---|---|---|---|---|---|---|

(1) Internal valve cavity only, for each cavity, with diaphragm on site

| MATERIAL | 1,4435-BN2 - Low Ferrite - Low Sulphur |
|---|---|

**Design Temperature:** -80 to 200 ºC (-112 to 392 ºF)

**Application Areas:** SAFE

**Design Pressure, Valve Body:** -1 to 10 bar (-14.5 to 145 psi)

**Note:** The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

**Surface Roughness:** Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

**Surface Treatment:** Available also on EP version - Elettropolishing after manual polished

**Labeling:** Each valve body is labeled for full LOT traceability

**Packaging:** Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

**Quality Control:** Quality Assurance System guarantees the control and traceability of the product.

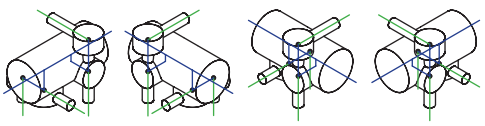
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

**Standard design:** Shut Off bodies are available also to 180°, tangential outlet Left or Right

**Options:** For non-standard CAD Valve body Options, please contact us for further information.

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



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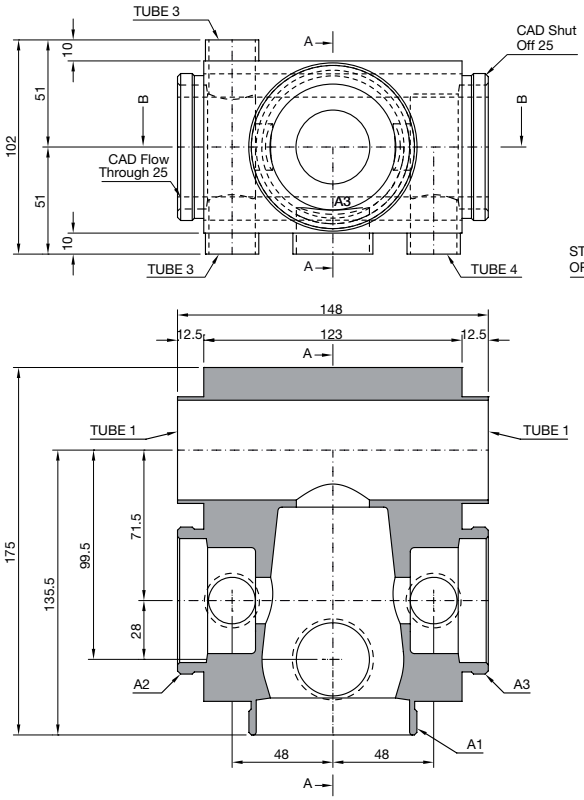
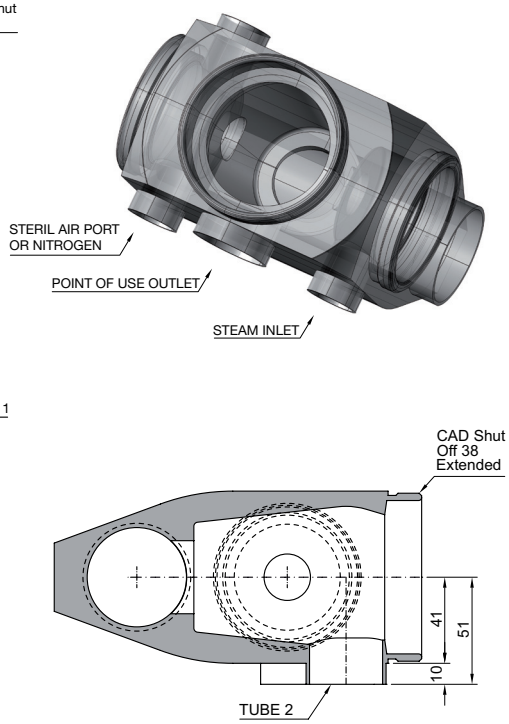
TECHNICAL INFORMATION _ **CAT. N. YP50 SE38 FT25 ASO25**

# EXTENDED POINT OF USE ON 50 VALVE BODY SO38 EXTENDED + FT25 + SO25




Section B-B




Section A-A

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

**Extended Point of Use Assembly** for SAFE areas is engineered to fulfil the demand to assembly in a block valve, WFI take off, Pure Steam, Nitrogen, and sampling valves, ready for installation, Point of Use in one tool ready to use, with Zero Dead legs, without Unused Portions and with flush flow seal. Body shape and their internal design offer a very reliable component for Aseptic processing Application. They fulfill all stringent requirements for CIP-SIP activities. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

| CODE | A1 | A2 | A3 | TUBE 1* mm (inch) | TUBE 2* mm (inch) | TUBE 3* mm (inch) | TUBE 4* mm (inch) |
|---|---|---|---|---|---|---|---|
| YP50-SE38-FT25-**ASO25** | A38 Extended M80x1,5 | A25 M70x1 | A25 M70x1 | 50,80x1,65 (2,00x0,065) | 38,10x1,65 (1,50x0,065) | 25,40x1,65 (1,00x0,065) | 25,40x1,65 (1,00x0,065) |

(*) US Tube ASTM® A269/270 – ASME BPE

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CAD
CLEAN & ASEPTIC DESIGN

## SPECIFICATION:

| CAD VALVE POSITION | A1 | A2 | A3 | | | | |
|---|---|---|---|---|---|---|---|
| CAD VALVE SIZE | A38 Extended | A25 | A25 | | | | |

| NET VOLUME(1) | ml | 216,64 | 32,14 | 32,14 | | | | |
|---|---|---|---|---|---|---|---|---|

(1) Internal valve cavity only, for each cavity, with diaphragm on site

| MATERIAL | 1,4435-BN2 - Low Ferrite - Low Sulphur |
|---|---|

**Design Temperature:** -80 to 200 ºC (-112 to 392 ºF)

**Application Areas:** SAFE

**Design Pressure, Valve Body:** -1 to 10 bar (-14.5 to 145 psi)

**Note:** The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

**Surface Roughness:** Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

**Surface Treatment:** Available also on EP version - Elettropolishing after manual polished

**Labeling:** Each valve body is labeled for full LOT traceability

**Packaging:** Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

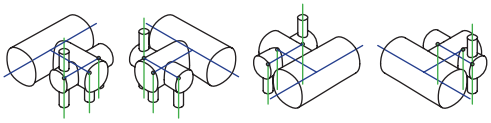
**Quality Control:** Quality Assurance System guarantees the control and traceability of the product.

**Rules Compliances:** CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

**Options:** For non-standard CAD Valve body Options, please contact us for further information.

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



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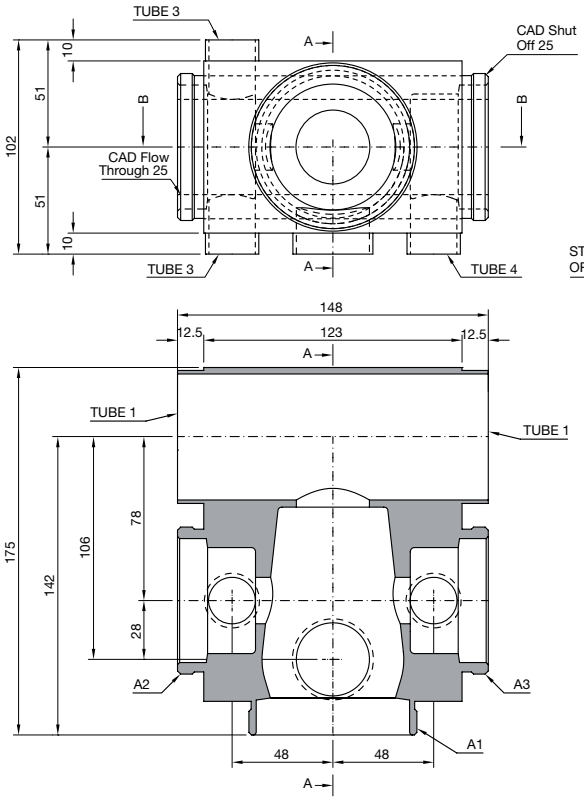
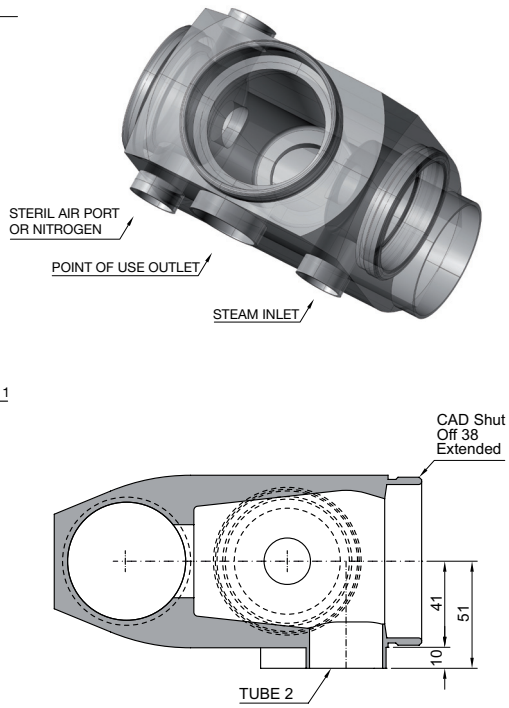
TECHNICAL INFORMATION _ **CAT. N. YP63 SE38 FT25 ASO25**

# EXTENDED POINT OF USE ON 63
# VALVE BODY SO38 EXTENDED + FT25 + SO25




Section B-B




Section A-A

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

**Extended Point of Use Assembly** for SAFE areas is engineered to fulfil the demand to assembly in a block valve, WFI take off, Pure Steam, Nitrogen, and sampling valves, ready for installation, Point of Use in one tool ready to use, with Zero Dead legs, without Unused Portions and with flush flow seal. Body shape and their internal design offer a very reliable component for Aseptic processing Application. They fulfill all stringent requirements for CIP-SIP activities. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

| CODE | A1 | A2 | A3 | TUBE 1* mm (inch) | TUBE 2* mm (inch) | TUBE 3* mm (inch) | TUBE 4* mm (inch) |
|---|---|---|---|---|---|---|---|
| YP63-SE38-FT25-**ASO25** | A38 Extended M80x1,5 | A25 M70x1 | A25 M70x1 | 63,50x1,65 (2,50x0,065) | 38,10x1,65 (1,50x0,065) | 25,40x1,65 (1,00x0,065) | 25,40x1,65 (1,00x0,065) |

(*) US Tube ASTM® A269/270 – ASME BPE

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CAD
CLEAN & ASEPTIC DESIGN

## SPECIFICATION:

| CAD VALVE POSITION | A1 | A2 | A3 | | | | |
|---|---|---|---|---|---|---|---|
| CAD VALVE SIZE | A38 Extended | A25 | A25 | | | | |

| NET VOLUME(1) | ml | 216,64 | 32,14 | 32,14 | | | | |
|---|---|---|---|---|---|---|---|---|

(1) Internal valve cavity only, for each cavity, with diaphragm on site

| MATERIAL | 1,4435-BN2 - Low Ferrite - Low Sulphur |
|---|---|

**Design Temperature:** -80 to 200 ºC (-112 to 392 ºF)

**Application Areas:** SAFE

**Design Pressure, Valve Body:** -1 to 10 bar (-14.5 to 145 psi)

**Note:** The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

**Surface Roughness:** Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

**Surface Treatment:** Available also on EP version - Elettropolishing after manual polished

**Labeling:** Each valve body is labeled for full LOT traceability

**Packaging:** Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

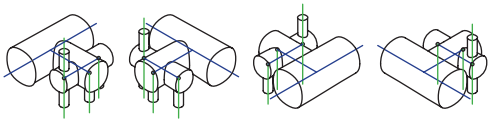
**Quality Control:** Quality Assurance System guarantees the control and traceability of the product.

**Rules Compliances:** CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

**Options:** For non-standard CAD Valve body Options, please contact us for further information.

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



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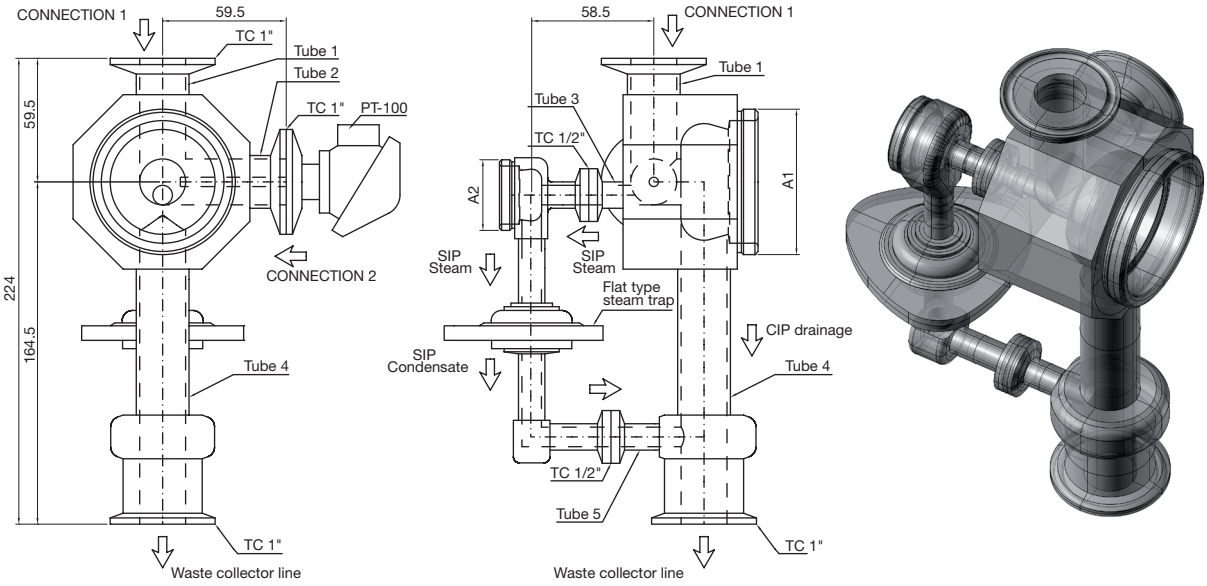
TECHNICAL INFORMATION _ **CAT. N. YB25 SOCL SOCL A2512**

# BOTTOM POINT ASSEMBLY TYPE B




Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

**Bottom Point Assembly** for SAFE areas engineered to give the best solution for the tipical point of CIP and SIP drainages management in one tool ready to use. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Developed for flat type condensate trap. Standard version made with Tri-Clamp connections. PT-100 on request.

| NOMINAL DIMENSION | A1 | A2 | TUBE 1* mm (inch) | TUBE 2* mm (inch) | TUBE 3* mm (inch) | TUBE 4* mm (inch) | TUBE 5* mm (inch) |
|---|---|---|---|---|---|---|---|
| YB25-SOCL-SOCL-**A2512** | A25-M70x1 | A12-M34x1 | 25,40x1,65 (1,00x0,065) | 25,40x1,65 (1,00x0,065) | 12,70x1,65 (0,50x0,065) | 25,40x1,65 (1,00x0,065) | 12,70x1,65 (0,50x0,065) |

(*) US Tube ASTM® A269/270 – ASME BPE

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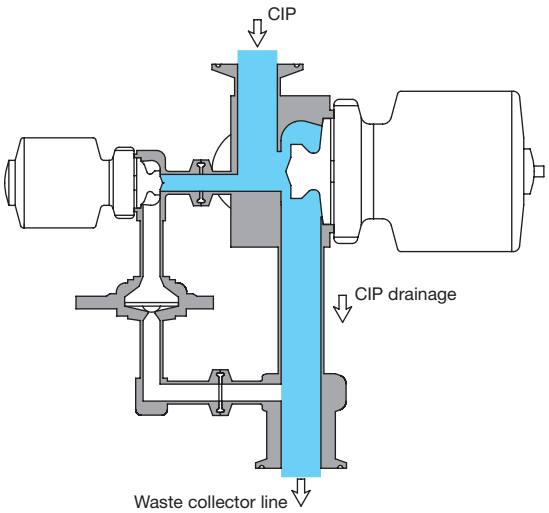
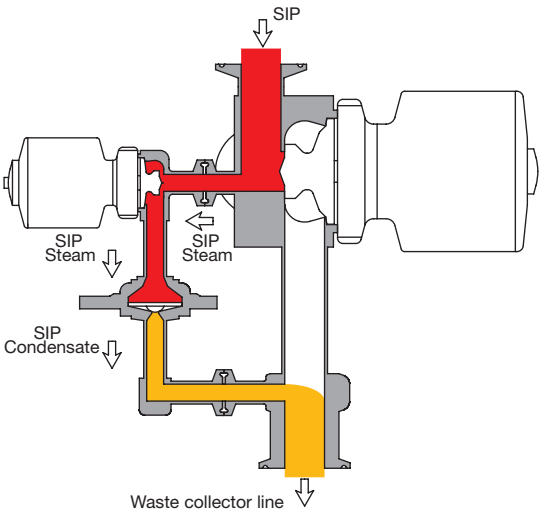
CAD
CLEAN & ASEPTIC DESIGN

## SPECIFICATION:




| CAD VALVE POSITION | A1 | A2 | | | | | |
|---|---|---|---|---|---|---|---|
| CAD VALVE SIZE | A25 | A12 | | | | | |

**Design Temperature:** -80 to 200 °C (-112 to 392 °F)

**Application Areas:** SAFE

**Design Pressure, Valve Body:** -1 to 10 bar (-14.5 to 145 psi)

**Note:** The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

**Surface Roughness:** Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

**Surface Treatment:** Available also on EP version - Elettropolishing after manual polished

**Labeling:** Each valve body is labeled for full LOT traceability

**Packaging:** Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

**Quality Control:** Quality Assurance System guarantees the control and traceability of the product.

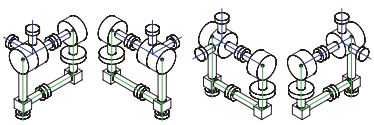
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

**Standard design:** Shut Off bodies are available also to 180°, tangential outlet Left or Right

**Options:** For non-standard CAD Valve body Options, please contact us for further information.

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Vertical Assembly



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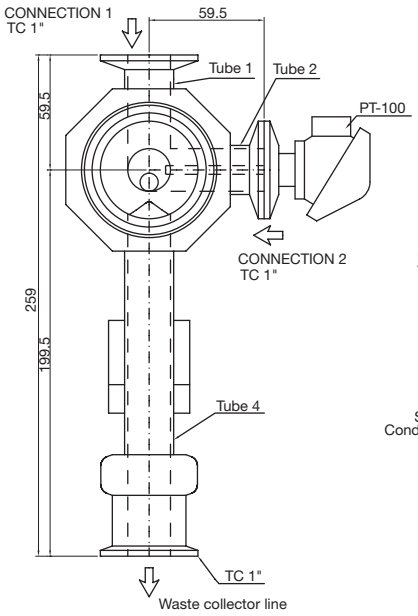
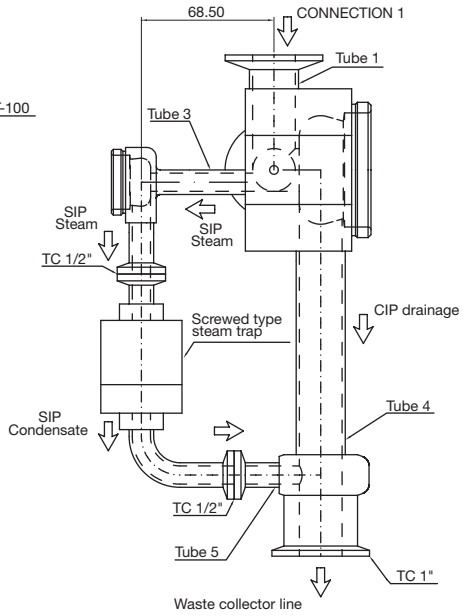
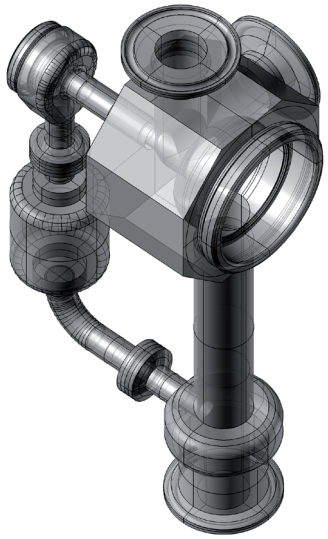
TECHNICAL INFORMATION _ **CAT. N. YC25 SOCL SOCL A2512**

# BOTTOM POINT ASSEMBLY TYPE C



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

**Bottom Point Assembly** for SAFE areas engineered to give the best solution for the tipical point of CIP and SIP drainages management in one tool ready to use. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Developed for screwed type condensate trap. Standard version made with Tri-Clamp connections. PT-100 on request.

| NOMINAL DIMENSION | A1 | A2 | TUBE 1* mm (inch) | TUBE 2* mm (inch) | TUBE 3* mm (inch) | TUBE 4* mm (inch) | TUBE 5* mm (inch) |
|---|---|---|---|---|---|---|---|
| YC25-SOCL-SOCL-**A2512** | A25-M70x1 | A12-M34x1 | 25,40x1,65 (1,00x0,065) | 25,40x1,65 (1,00x0,065) | 12,70x1,65 (0,50x0,065) | 25,40x1,65 (1,00x0,065) | 12,70x1,65 (0,50x0,065) |

(*) US Tube ASTM® A269/270 – ASME BPE

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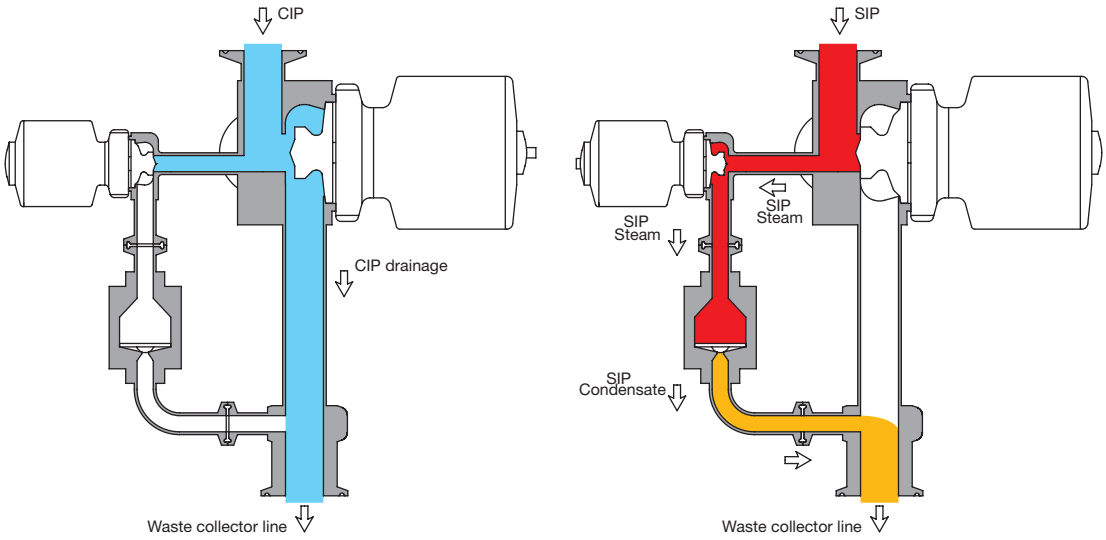
CAD
CLEAN & ASEPTIC DESIGN

## SPECIFICATION:




| CAD VALVE POSITION | A1 | A2 | | | | | |
|---|---|---|---|---|---|---|---|
| CAD VALVE SIZE | A25 | A12 | | | | | |

**Design Temperature:** -80 to 200 ºC (-112 to 392 ºF)

**Application Areas:** SAFE

**Design Pressure, Valve Body:** -1 to 10 bar (-14.5 to 145 psi)

**Note:** The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

**Surface Roughness:** Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

**Surface Treatment:** Available also on EP version - Elettropolishing after manual polished

**Labeling:** Each valve body is labeled for full LOT traceability

**Packaging:** Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

**Quality Control:** Quality Assurance System guarantees the control and traceability of the product.

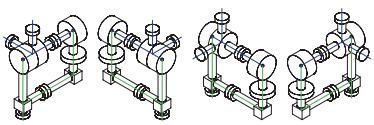
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

**Standard design:** Shut Off bodies are available also to 180°, tangential outlet Left or Right

**Options:** For non-standard CAD Valve body Options, please contact us for further information.

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Vertical Assembly



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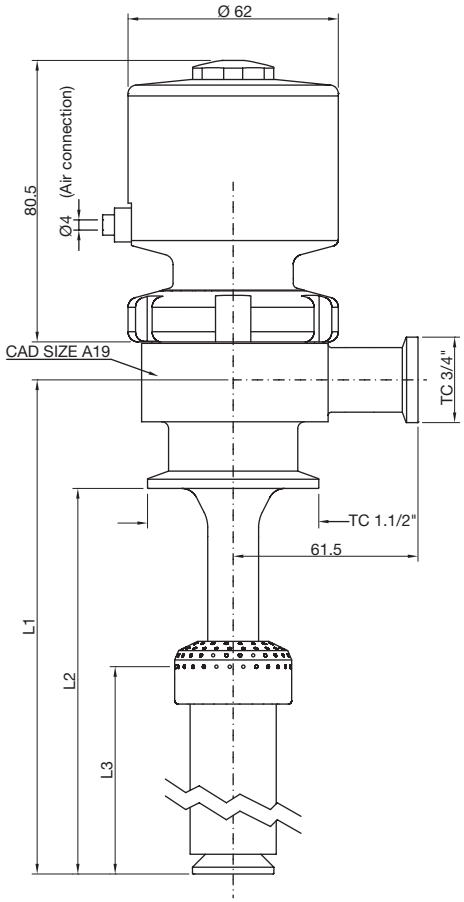
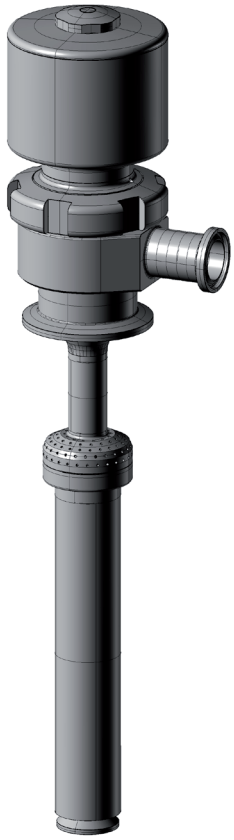
TECHNICAL INFORMATION _ **CAT. N. YDTB 2FNL 0000 A1900**

# 2 FUNCTIONS DEEP TUBE SPRAYBALL A19



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

**2 Functions Deep Tube Sprayball A19** for SAFE areas engineered to give the best solution for the tipical needs on the top of the process vessel offering the integration of a diptube with a spray ball in one tool ready to use for: filling, CIP-SIP activities. They offer also reduction of nozzles number on top vessel as additional benefit. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version made with Tri-Clamp connections.

| NOMINAL DIMENSION | CAD SIZE | L1 | L2 | L3 |
|---|---|---|---|---|
| YDTB-2FNL-0000-**A1900** | A19 | Tailored | | |

(*) US Tube ASTM® A269/270 – ASME BPE

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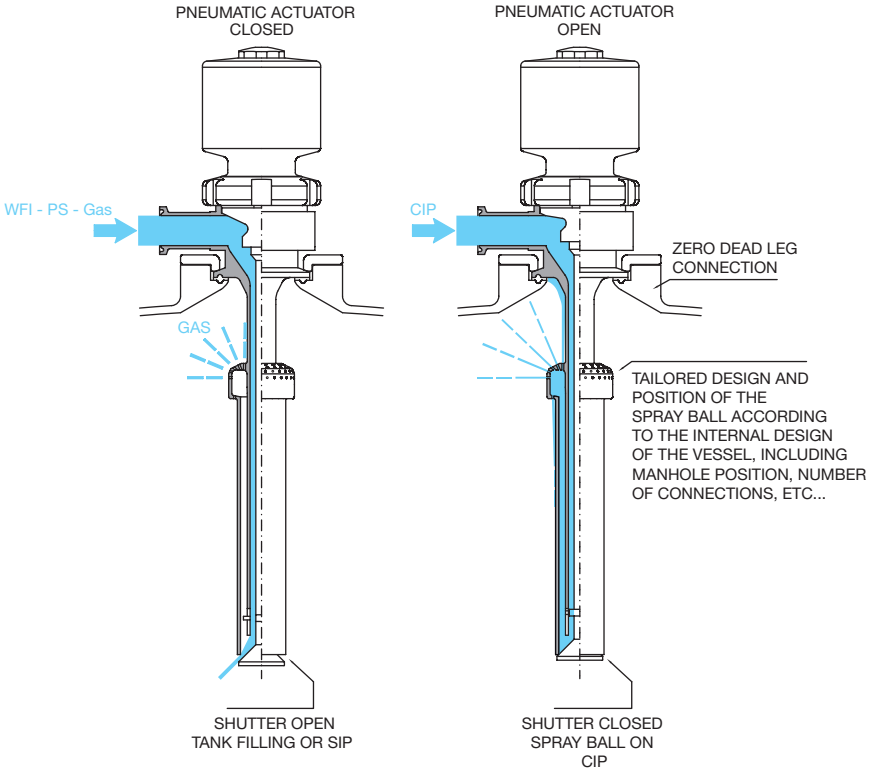
VANNES ET ACCESSOIRES EN INOX

CAD
CLEAN & ASEPTIC DESIGN

## SPECIFICATION:




| MATERIAL | 1,4435-BN2 - Low Ferrite - Low Sulphur |
|---|---|

**Design Temperature:** -80 to 200 ºC (-112 to 392 ºF)

**Application Areas:** SAFE

**Design Pressure, Valve Body:** -1 to 10 bar (-14.5 to 145 psi)

**Note:** The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

**Surface Roughness:** Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

**Surface Treatment:** Available also on EP version - Elettropolishing after manual polished

**Labeling:** Each valve body is labeled for full LOT traceability

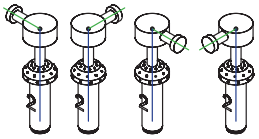
**Packaging:** Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

**Quality Control:** Quality Assurance System guarantees the control and traceability of the product.

**Rules Compliances:** CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Vertical Assembly



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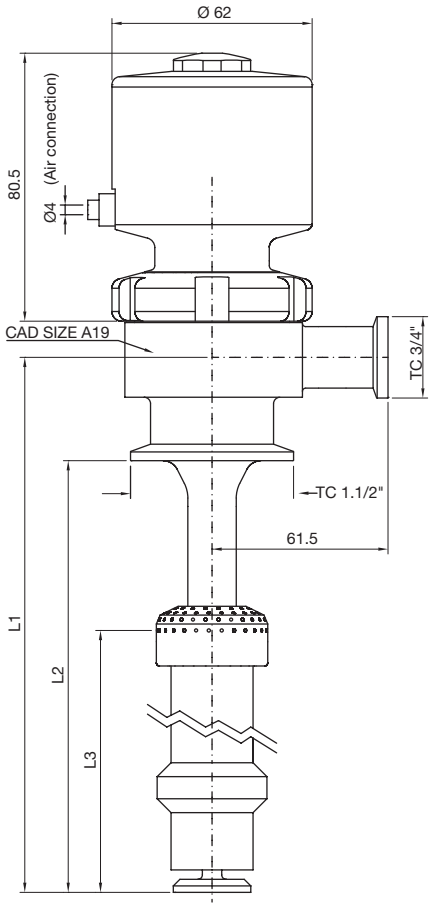
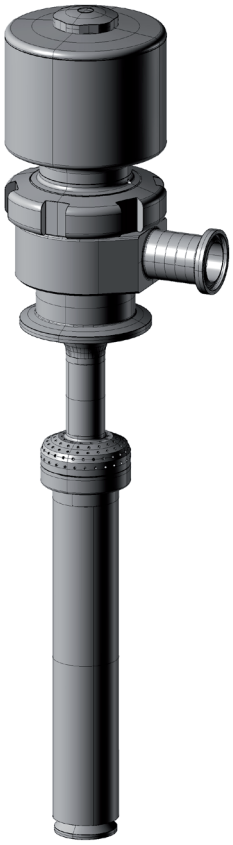
TECHNICAL INFORMATION _ **CAT. N. YDTB 3FNL 0000 A1900**

# 3 FUNCTIONS DEEP TUBE SPRAYBALL SPARGER A19



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

**3 Functions Deep Tube Sprayball Sparger A19** for SAFE areas engineered to give the best solution for the tipical needs on the top of the process vessel offering reduction on nozzles numbers by the integration of a diptube with a spray ball and sparger in one tool ready to use for: filling, CIP-SIP and bubbling activities . They offer also reduction of nozzles number on top vessel as additional benefit. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version made with Tri-Clamp connections.

| NOMINAL DIMENSION | CAD SIZE | L1 | L2 | L3 |
|---|---|---|---|---|
| YDTB-3FNL-0000-**A1900** | A19 | Tailored | | |

(*) US Tube ASTM® A269/270 – ASME BPE

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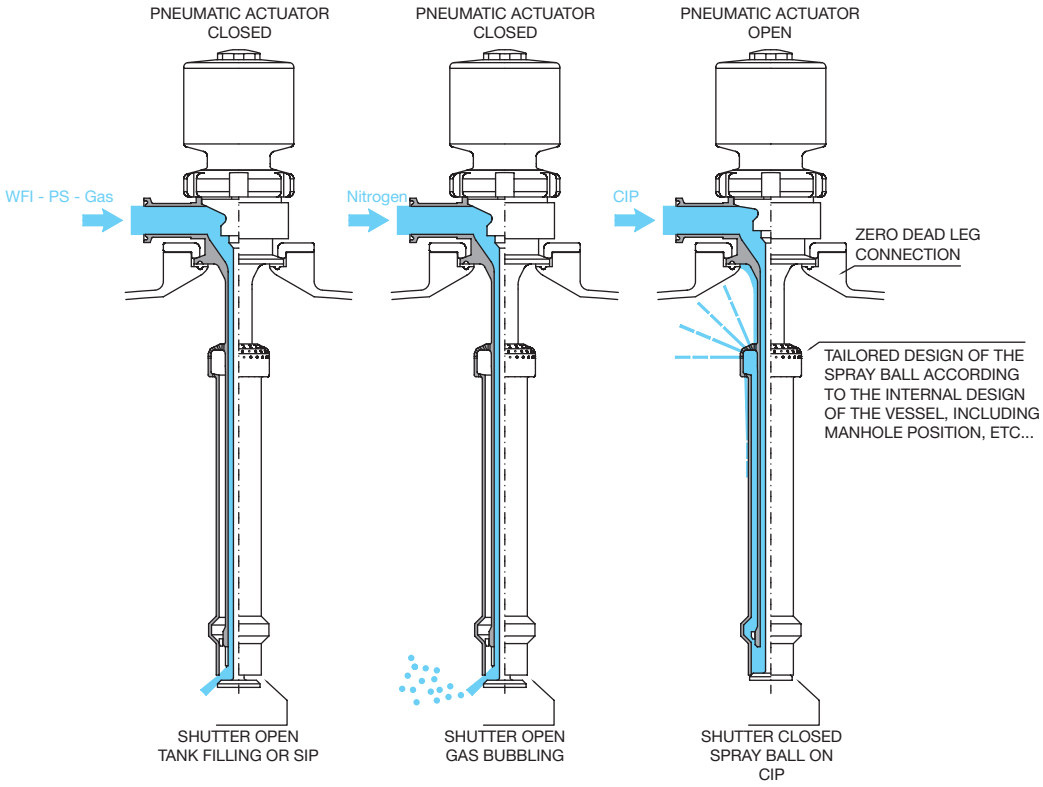
CAD
CLEAN & ASEPTIC DESIGN

## SPECIFICATION:




| MATERIAL | 1,4435-BN2 - Low Ferrite - Low Sulphur |
|---|---|

**Design Temperature:** -80 to 200 °C (-112 to 392 °F)

**Application Areas:** SAFE

**Design Pressure, Valve Body:** -1 to 10 bar (-14.5 to 145 psi)

**Note:** The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

**Surface Roughness:** Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

**Surface Treatment:** Available also on EP version - Elettropolishing after manual polished

**Labeling:** Each valve body is labeled for full LOT traceability

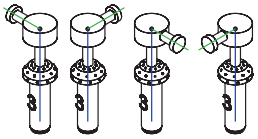
**Packaging:** Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

**Quality Control:** Quality Assurance System guarantees the control and traceability of the product.

**Rules Compliances:** CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Vertical Assembly



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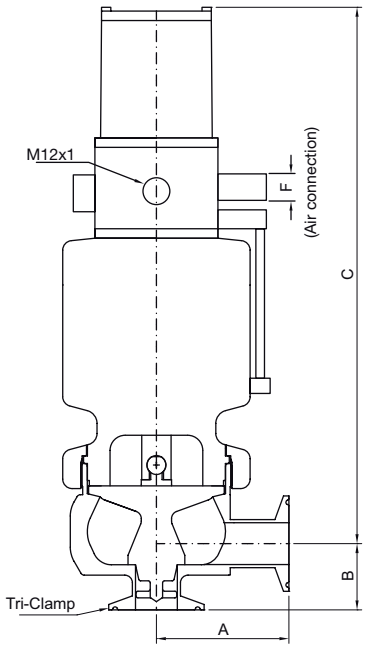
TECHNICAL INFORMATION _ **CAT. N. YFCV SOCL 0000 A##00**

# FLOW CONTROL VALVE




Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

**YFCV** - Flow Control Valves for SAFE areas designed to intercept and manage flow pattern. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are available only with TC fittings. Refer to YFCV Technical literature to select correct size of valve according working parameters.

| CODE | TRI-CLAMP SIZE | A mm (inch) | B mm (inch) | C mm (inch) | F |
|---|---|---|---|---|---|
| YFCV-SOCL-0000-**A1900** | 3/4” | 60,00 (2,36) | 30,00 (1,18) | 248,00 (9,76) | 6,00 |
| YFCV-SOCL-0000-**A2500** | 1” | 70,00 (2,76) | 35,00 (1,38) | 284,00 (11,18) | 6,00 |
| YFCV-SOCL-0000-**A3800** | 1,1/2” | 80,00 (3,15) | 50,00 (1,97) | 318,00 (12,52) | 6,00 |

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CAD
CLEAN & ASEPTIC DESIGN

## SPECIFICATION:

| CAD SIZE | | FCV19 | FCV25 | FCV38 | | | | |
|---|---|---|---|---|---|---|---|---|
| NET VOLUME[1] | ml | 35,33 | 104,51 | 239,06 | | | | |

[1] Internal valve cavity only, with diaphragm on site

| MATERIAL | 1,4435-BN2 |
|---|---|

**Design Temperature:** -80 to 200 ºC (-112 to 392 ºF)

**Application Areas:** SAFE

**Design Pressure, Valve Body:** -1 to 6 bar (14 to 87 psi)

**Note:** The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

**Surface Roughness:** Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.8µm (32µin)

**Surface Treatment:** Available also on EP version - Elettropolishing after manual polished

**Labeling:** Each valve is labeled for full LOT traceability

**Packaging:** Valve is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

**Quality Control:** Quality Assurance System guarantees the control and traceability of the product.

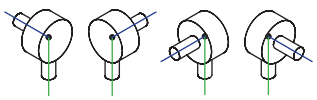
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

**Standard design:** Flow control Valves are available on Tri-Clamp end connections as standar

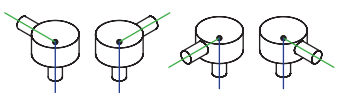
**Options:** For non-standard CAD Valve body Options, please contact us for further information.

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



Vertical Assembly



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