

# TC CONNECTABLE VALVES

## **D 005**

Shut Off 90  
1/2" TC Conn. Valve Body

## **D 010**

Shut Off 90  
3/4" TC Conn. Valve Body

## **D 015**

Shut Off 90  
1" TC Conn. Valve Body

## **D 020**

Shut Off 90  
1"1/2 TC Conn. Valve Body

## **D 025**

Shut Off 90  
2" TC Conn. Valve Body

## **D 030**

Shut Off 90  
2"1/2 TC Conn. Valve Body

## **D 095**

Extended Shut Off 90  
1/2"-3/4" TC Conn. Valve Body

## **D 110**

Extended Shut Off 90  
1"-1"1/2 TC Conn. Valve Body

## **D 115**

Extended Shut Off 90  
2" TC Conn. Valve Body

## **D 120**

Extended Shut Off 90  
2"1/2 TC Conn. Valve Body

## **D 122**

Extended Shut Off 90  
4" TC Conn. Valve Body

## **D 185**

Flow Through 90  
1/2" TC Conn. Valve Body

## **D 190**

Flow Through 90  
3/4" TC Conn. Valve Body

## **D 195**

Flow Through 90  
1" TC Conn. Valve Body

## **D 200**

Flow Through 90  
1"1/2 TC Conn. Valve Body

## **D 205**

Flow Through 90  
2" TC Conn. Valve Body

## **D 210**

Flow Through 90  
2"1/2 TC Conn. Valve Body

## **D 275**

Extended Flow Through 90  
1/2"-3/4" TC Conn. Valve Body

## **D 290**

Extended Flow Through 90  
1"-1"1/2 TC Conn. Valve Body

## **D 295**

Extended Flow Through 90  
2" TC Conn. Valve Body

## **D 300**

Extended Flow Through 90  
2"1/2 TC Conn. Valve Body

## **D 370**

Flow Through 180  
1/2" TC Conn. Valve Body

## **D 375**

Flow Through 180  
3/4" TC Conn. Valve Body

## **D 380**

Flow Through 180  
1" TC Conn. Valve Body

## **D 385**

Flow Through 180  
1"1/2 TC Conn. Valve Body

## **D 390**

Flow Through 180  
2" TC Conn. Valve Body

## **D 395**

Flow Through 180  
2"1/2 TC Conn. Valve Body

## **D 460**

Extended Flow Through 180  
1/2"-3/4" TC Conn. Valve Body

## **D 475**

Extended Flow Through 180  
1"-1"1/2 TC Conn. Valve Body

## **D 480**

Extended Flow Through 180  
2" TC Conn. Valve Body

## **D 485**

Extended Flow Through 180  
2"1/2 TC Conn. Valve Body

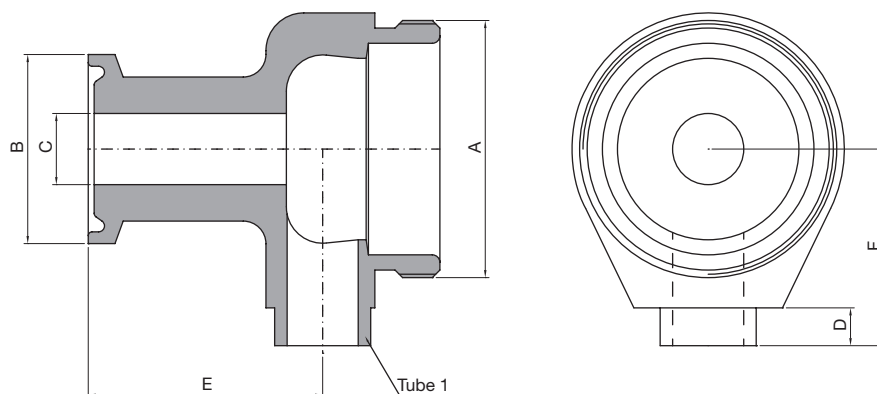
## **D 487**

Extended Flow Through 180  
4" TC Conn. Valve Body



TECHNICAL INFORMATION \_ CAT. N. YT12 SOCL 0000 A##00

## SHUT OFF 90 1/2" TC CONN. VALVE BODY



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.

**YT12 - SOCL - Shut Off TC 1/2" Connectable Valves** for SAFE areas designed to intercept flow pattern when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt welding ends but, on demand, may be delivered for orbital weld or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT12-SOCL-0000-A1200	M34x1	25,00 (0,98)	9,40 (0,37)	5,00 (0,20)	31,00 (1,22)	26,00 (1,02)	12,70x1,65 (0,50x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

<b>CAD SIZE</b>	A12						
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<b>NET VOLUME<sup>(1)</sup></b>	ml	2,86					
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

<b>MATERIAL</b>	1,4435-BN2 - Low Ferrite - Low Sulphur						
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**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

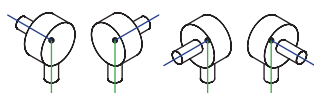
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

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

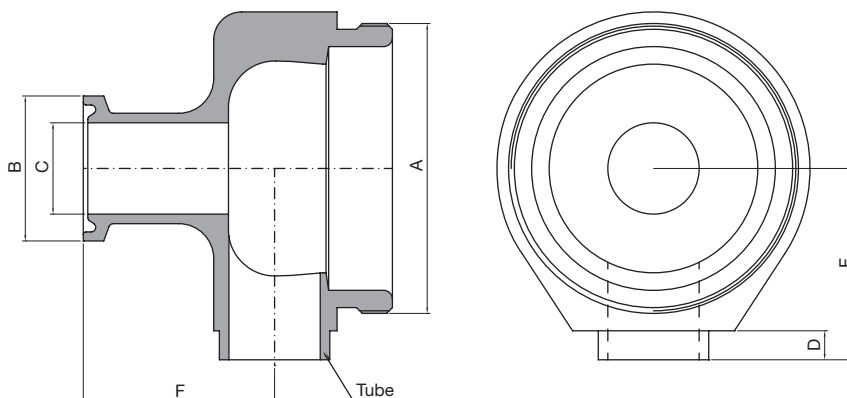
**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly



TECHNICAL INFORMATION \_ CAT. N. YT19 SOCL 0000 A##00

## SHUT OFF 90 3/4" TC CONN. VALVE BODY



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.

**YT19 - SOCL - Shut Off TC 3/4" Connectable Valves** for SAFE areas designed to intercept flow pattern when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT19-SOCL-0000-A1200	M34x1	25,00 (0,98)	9,40 (0,37)	5,00 (0,20)	31,00 (1,22)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT19-SOCL-0000-A1900	M50x1	25,00 (0,98)	15,75 (0,62)	5,00 (0,20)	33,00 (1,30)	33,00 (1,30)	19,05x1,65 (0,75x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A12	A19					
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NET VOLUME <sup>(1)</sup>	ml	2,86	10,23				
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

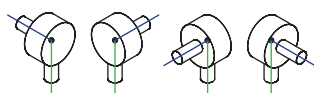
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

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

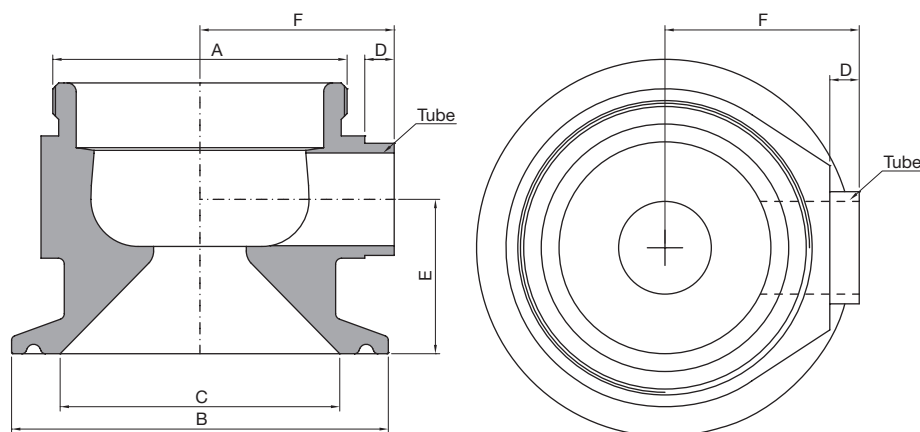
**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly



TECHNICAL INFORMATION \_ CAT. N. YT25 SOCL 0000 A##00

## SHUT OFF 90 1" TC CONN. VALVE BODY



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.

**YT25 – SOCL - Shut Off TC 1" Connectable Valves** for SAFE areas designed to intercept flow pattern when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT25-SOCL-0000-A1200	M34x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	21,00 (0,83)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT25-SOCL-0000-A1900	M50x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	24,00 (0,95)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT25-SOCL-0000-A2500	M70x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	45,00 (1,77)	47,00 (1,85)	25,40x1,65 (1,00x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A12	A19	A25				
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NET VOLUME <sup>(1)</sup>	ml	2,86	10,23	32,14			
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**Surface Treatment:** Available also on EP version - Elektropolishing 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.

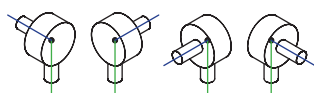
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

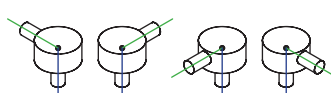
**Options:** For non-standard CAD Valve body Options, please contact us for further information.

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly



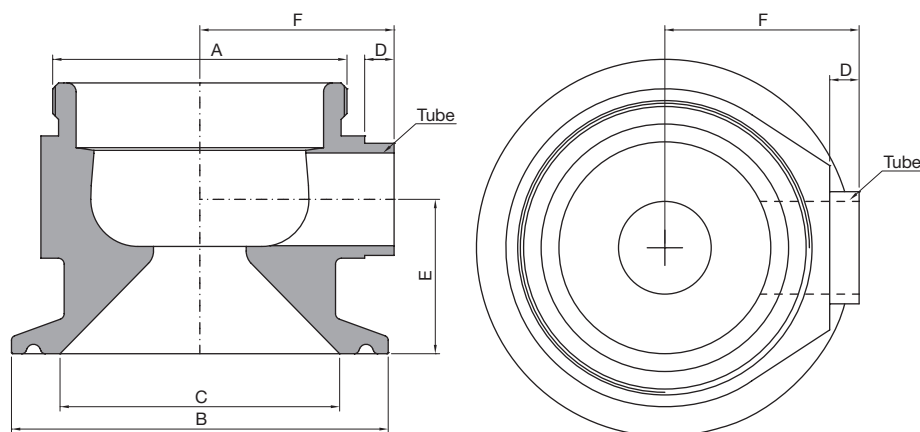
Vertical Assembly





TECHNICAL INFORMATION \_ CAT. N. YT38 SOCL 0000 A##00

## SHUT OFF 90 1"1/2 TC CONN. VALVE BODY



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.

**YT38 - SOCL - Shut Off TC 1"1/2 Connectable Valves** for SAFE areas designed to intercept flow pattern when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT38-SOCL-0000-A1200	M34x1	50,40 (1,98)	34,80 (1,37)	5,00 (0,20)	21,00 (0,83)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT38-SOCL-0000-A1900	M50x1	50,40 (1,98)	34,80 (1,37)	5,00 (0,20)	24,00 (0,95)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT38-SOCL-0000-A2500	M70x1	50,40 (1,98)	34,80 (1,37)	5,00 (0,20)	45,00 (1,77)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT38-SOCL-0000-A3800	M80x1,5	50,40 (1,98)	34,80 (1,37)	21,00 (0,83)	54,00 (2,13)	60,00 (2,36)	38,10x1,65 (1,50x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A12	A19	A25	A38			
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NET VOLUME <sup>(1)</sup>	ml	2,86	10,23	32,14	86,89		
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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**Design Temperature:** -80 to 200 °C (-112 to 392 °F)

**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

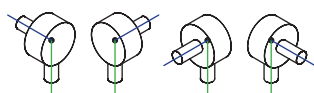
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

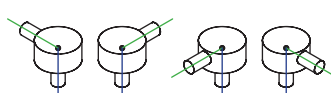
**Options:** For non-standard CAD Valve body Options, please contact us for further information.

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly

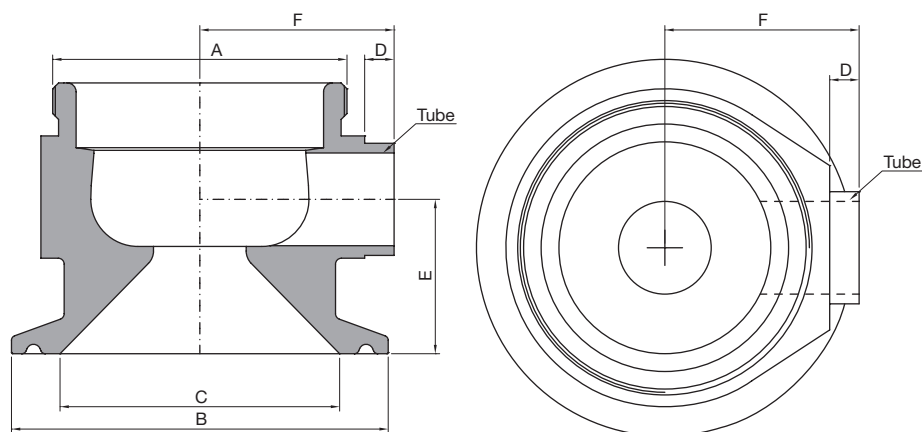


Vertical Assembly



TECHNICAL INFORMATION \_ CAT. N. YT50 SOCL 0000 A##00

## SHUT OFF 90 2" TC CONN. VALVE BODY



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.

**YT50 - SOCL - Shut Off TC 2" Connectable Valves** for SAFE areas designed to intercept flow pattern when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt welding ends but, on demand, may be delivered for orbital weld or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT50-SOCL-0000-A1200	M34x1	64,00 (2,52)	47,50 (1,87)	5,00 (0,20)	23,50 (0,93)	31,00 (1,22)	12,70x1,65 (0,50x0,065)
YT50-SOCL-0000-A1900	M50x1	64,00 (2,52)	47,50 (1,87)	5,00 (0,20)	26,00 (1,02)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT50-SOCL-0000-A2500	M70x1	64,00 (2,52)	47,50 (1,87)	5,00 (0,20)	47,00 (1,85)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT50-SOCL-0000-A3800	M80x1,5	64,00 (2,52)	47,50 (1,87)	21,00 (0,83)	54,00 (2,13)	60,00 (2,36)	38,10x1,65 (1,50x0,065)
YT50-SOCL-0000-A5000	M103x1,5	64,00 (2,52)	47,50 (1,87)	24,00 (0,95)	62,00 (2,44)	75,00 (2,95)	50,80x1,65 (2,00x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME <sup>(1)</sup>	ml	2,86	10,23	32,14	86,89	208,58	
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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**Design Temperature:** -80 to 200 °C (-112 to 392 °F)

**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

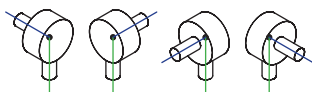
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

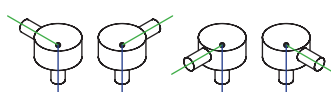
**Options:** For non-standard CAD Valve body Options, please contact us for further information.

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly

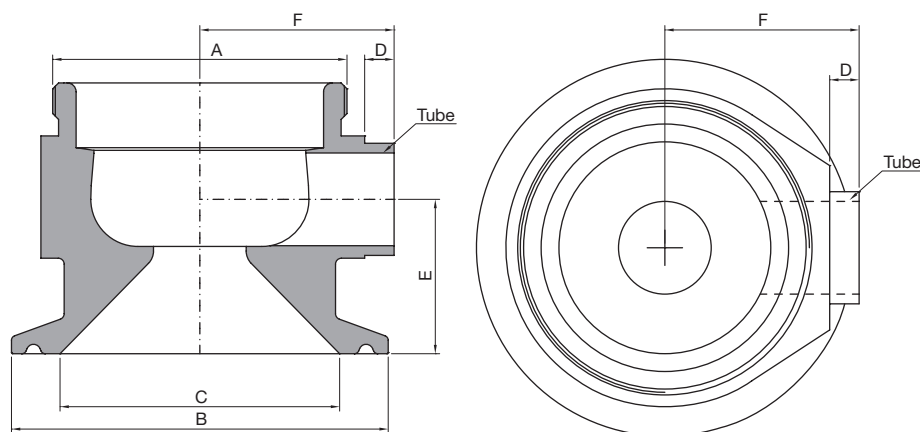


Vertical Assembly



TECHNICAL INFORMATION \_ CAT. N. YT63 SOCL 0000 A##00

## SHUT OFF 90 2"1/2 TC CONN. VALVE BODY



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.

**YT63 - SOCL - Shut Off TC 2"1/2 Connectable Valves** for SAFE areas designed to intercept flow pattern when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT63-SOCL-0000-A1200	M34x1	77,50 (3,09)	60,20 (2,37)	5,00 (0,20)	26,50 (1,04)	38,50 (1,52)	12,70x1,65 (0,50x0,065)
YT63-SOCL-0000-A1900	M50x1	77,50 (3,09)	60,20 (2,37)	5,00 (0,20)	29,00 (1,14)	37,00 (1,46)	19,05x1,65 (0,75x0,065)
YT63-SOCL-0000-A2500	M70x1	77,50 (3,09)	60,20 (2,37)	5,00 (0,20)	35,00 (1,38)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT63-SOCL-0000-A3800	M80x1,5	77,50 (3,09)	60,20 (2,37)	18,00 (0,71)	54,00 (2,13)	60,00 (2,36)	38,10x1,65 (1,50x0,065)
YT63-SOCL-0000-A5000	M103x1,5	77,50 (3,09)	60,20 (2,37)	24,00 (0,95)	62,00 (2,44)	75,00 (2,95)	50,80x1,65 (2,00x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME <sup>(1)</sup>	ml	2,86	10,23	32,14	86,89	208,58	
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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**Design Temperature:** -80 to 200 °C (-112 to 392 °F)

**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

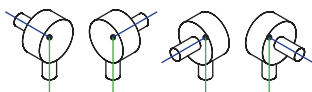
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

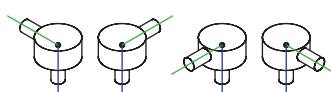
**Options:** For non-standard CAD Valve body Options, please contact us for further information.

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly

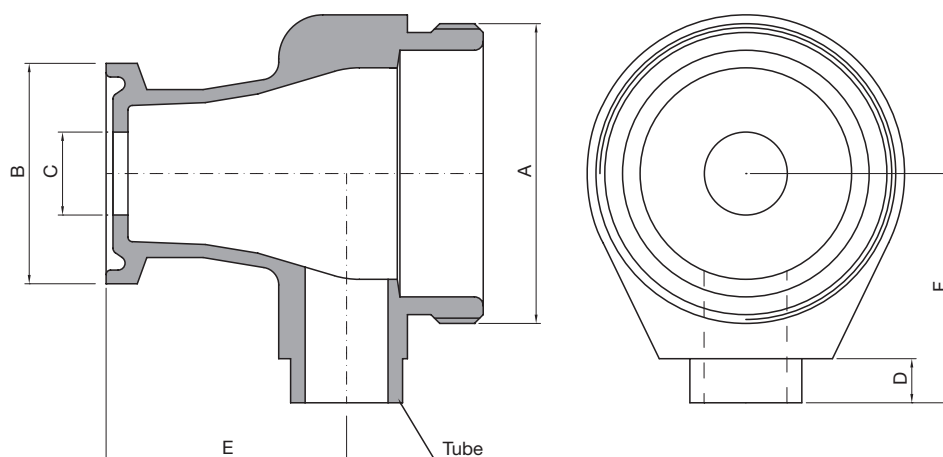


Vertical Assembly



TECHNICAL INFORMATION \_ CAT. N. YT12 SECL 0000 A##00

## EXTENDED SHUT OFF 90 1/2"-3/4" TC CONN. VALVE BODY



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.

**YT12 - SECL - Extended Shut Off TC 1/2"-3/4" Connectable Valves** for SAFE areas designed to intercept flow pattern, when TC connection is available, with a flush flow design of the frontal inlet of the valve. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT12-SECL-0000-A1200	M34x1	25,00 (0,98)	9,40 (0,37)	5,00 (0,20)	27,50 (1,08)	26,00 (1,02)	12,70x1,65 (0,50x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

<b>CAD SIZE</b>	A12						
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<b>NET VOLUME<sup>(1)</sup></b>	ml	7,12					
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

<b>MATERIAL</b>	1,4435-BN2 - Low Ferrite - Low Sulphur
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**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

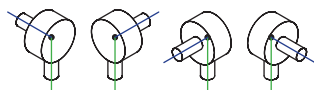
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also 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](http://www.rattiinox.com)

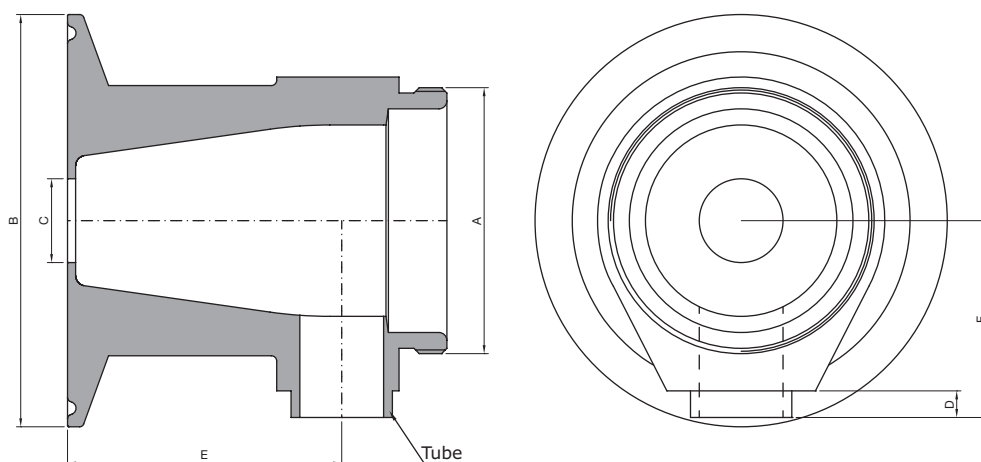
Horizontal Assembly





TECHNICAL INFORMATION \_ CAT. N. YT38 SECL 0000 A##00

## EXTENDED SHUT OFF 90 1"-1"1/2 TC CONN. VALVE BODY



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.

**YT38 - SECL - Extended Shut Off TC 1"-1"1/2 Connectable Valves** for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT38-SECL-0000-A1200	M34x1	50,40 (1,98)	9,40 (0,37)	5,00 (0,20)	26,50 (1,04)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT38-SECL-0000-A1900	M50x1	50,40 (1,98)	15,75 (0,62)	5,00 (0,20)	51,50 (2,03)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT38-SECL-0000-A2500	M70x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	54,00 (2,13)	47,00 (1,85)	25,40x1,65 (1,00x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A12	A19	A25				
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NET VOLUME <sup>(1)</sup>	ml	7,12	30,20	56,36			
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

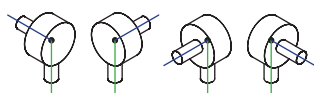
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

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

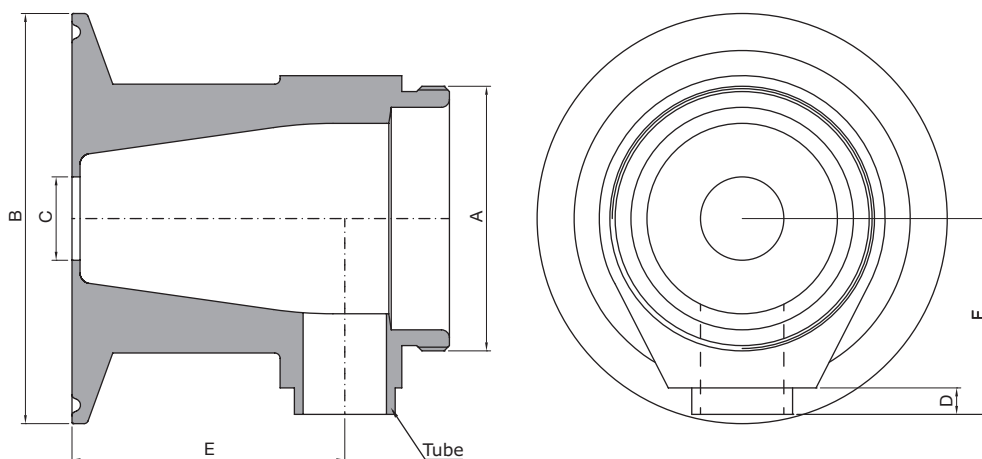
**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly



TECHNICAL INFORMATION \_ CAT. N. YT50 SECL 0000 A##00

## EXTENDED SHUT OFF 90 2" TC CONN. VALVE BODY



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.

**YT50 - SECL - Extended Shut Off TC 2" Connectable Valves** for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT50-SECL-0000-A1200	M34x1	64,00 (2,52)	9,40 (0,37)	5,00 (0,20)	26,50 (1,04)	31,00	12,70x1,65 (0,50x0,065)
YT50-SECL-0000-A1900	M50x1	64,00 (2,52)	15,75 (0,62)	5,00 (0,20)	51,50 (2,03)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT50-SECL-0000-A2500	M70x1	64,00 (2,52)	22,10 (0,87)	5,00 (0,20)	54,00 (2,13)	47,00 (1,85)	25,40x1,65 (1,00x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A12	A19	A25				
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NET VOLUME <sup>(1)</sup>	ml	7,12	30,20	56,36			
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**Surface Treatment:** Available also on EP version - Elektropolishing 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.

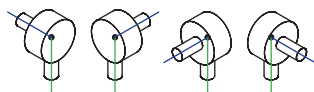
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

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

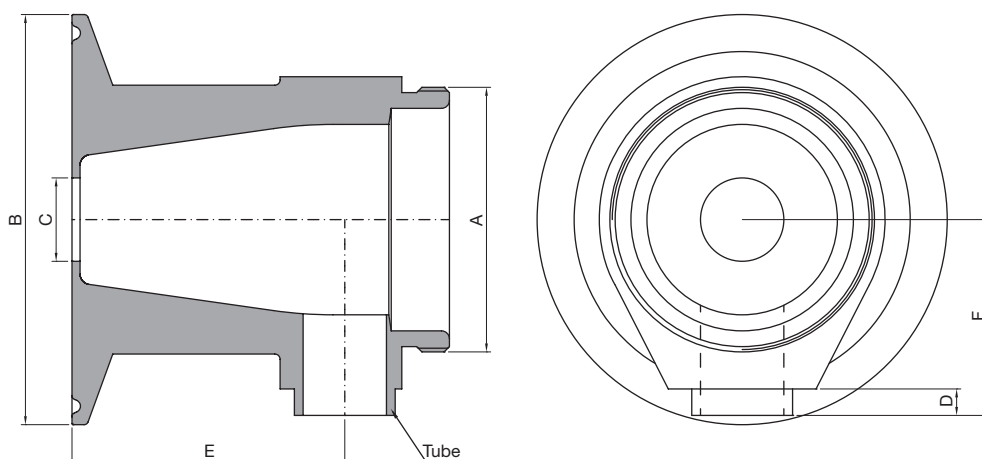
**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly



TECHNICAL INFORMATION \_ CAT. N. YT63 SECL 0000 A##00

## EXTENDED SHUT OFF 90 2"1/2 TC CONN. VALVE BODY



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.

**YT63 - SECL - Extended Shut Off TC 2"1/2 Connectable Valves** for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT63-SECL-0000-A1900	M50x1	77,50 (3,09)	15,75 (0,62)	5,00 (0,20)	51,50 (2,03)	37,00 (1,46)	19,05x1,65 (0,75x0,065)
YT63-SECL-0000-A2500	M70x1	77,50 (3,09)	22,10 (0,87)	5,00 (0,20)	54,00 (2,13)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT63-SECL-0000-A3800	M80x1,5	77,50 (3,09)	34,80 (1,37)	21,00 (0,83)	75,00 (2,95)	60,00 (2,36)	38,10x1,65 (1,50x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A19	A25	A38				
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NET VOLUME <sup>(1)</sup>	ml	30,20	56,36	170,98			
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur						
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**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

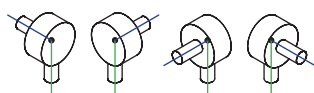
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

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

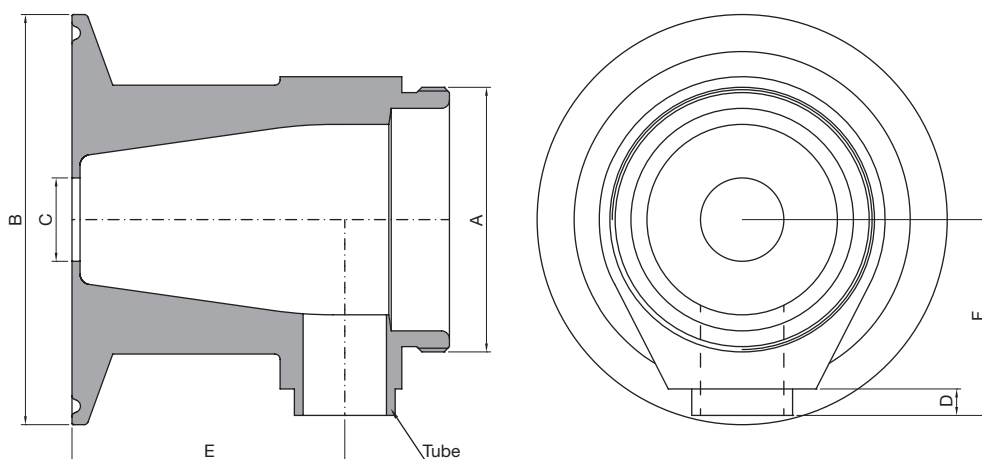
**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly



TECHNICAL INFORMATION \_ CAT. N. YT00 SECL 0000 A##00

## EXTENDED SHUT OFF 90 4" TC CONN. VALVE BODY



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.

**YT00 - SECL - Extended Shut Off TC 4" Connectable Valves** for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard versions are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT00-SECL-0000-A3800	M80x1,5	119,00 (4,69)	34,80 (1,37)	21,00 (0,83)	51,50 (2,03)	75,00 (2,95)	38,10x1,65 (1,50x0,065)
YT00-SECL-0000-A5000	M103x1,5	119,00 (4,69)	47,50 (1,87)	24,00 (0,95)	54,00 (2,13)	77,00 (3,03)	50,80x1,65 (2,00x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A38	A50					
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NET VOLUME <sup>(1)</sup>	ml	170,98	380,00				
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1.4435-BN2 - Low Ferrite - Low Sulphur
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**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**Surface Treatment:** Available also on EP version - Elektropolishing 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.

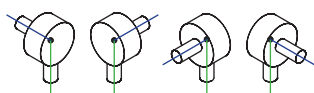
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

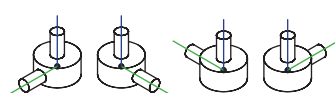
**Options:** For non-standard CAD Valve body Options, please contact us for further information.

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly



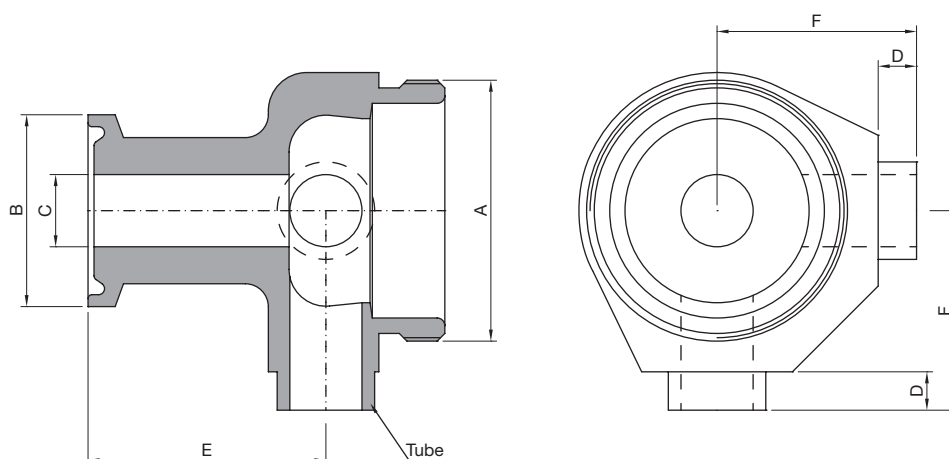
Upside-Down Assembly





TECHNICAL INFORMATION \_ CAT. N. YT12 FTCL 0000 A##00

## FLOW THROUGH 90 1/2" TC CONN. VALVE BODY



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.

**YT12 - FTCL - Flow Through TC 1/2" Connectable Valves** for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT12-FTCL-0000-A1200	M34x1	25,00 (0,98)	9,40 (0,37)	5,00 (0,20)	31,00 (1,22)	26,00 (1,02)	12,70x1,65 (0,50x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

<b>CAD SIZE</b>	A12						
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<b>NET VOLUME<sup>(1)</sup></b>	ml	2,86					
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

<b>MATERIAL</b>	1,4435-BN2 - Low Ferrite - Low Sulphur						
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**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

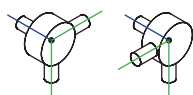
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

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

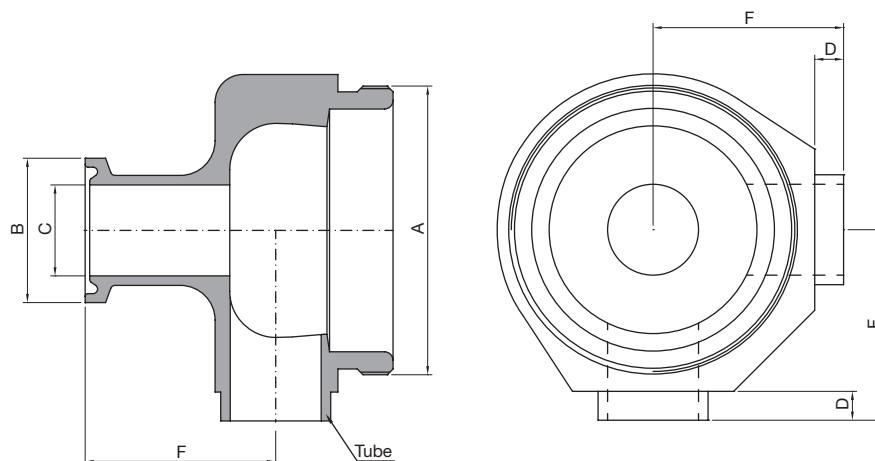
**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly



TECHNICAL INFORMATION \_ CAT. N. YT19 FTCL 0000 A##00

## FLOW THROUGH 90 3/4" TC CONN. VALVE BODY



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.

**YT19 - FTCL - Flow Through TC 3/4" Connectable Valves** for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT19-FTCL-0000-A1200	M34x1	25,00 (0,98)	9,40 (0,37)	5,00 (0,20)	31,00 (1,22)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT19-FTCL-0000-A1900	M50x1	25,00 (0,98)	15,75 (0,62)	5,00 (0,20)	33,00 (1,30)	33,00 (1,30)	19,05x1,65 (0,75x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

<b>CAD SIZE</b>	A12	A19					
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<b>NET VOLUME<sup>(1)</sup></b>	ml	2,86	10,23				
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

<b>MATERIAL</b>	1,4435-BN2 - Low Ferrite - Low Sulphur						
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**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)  $Ra \leq 0.3\mu m$  (16µin)  
External surface  $Ra \leq 0.5\mu m$  (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.

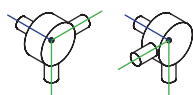
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

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

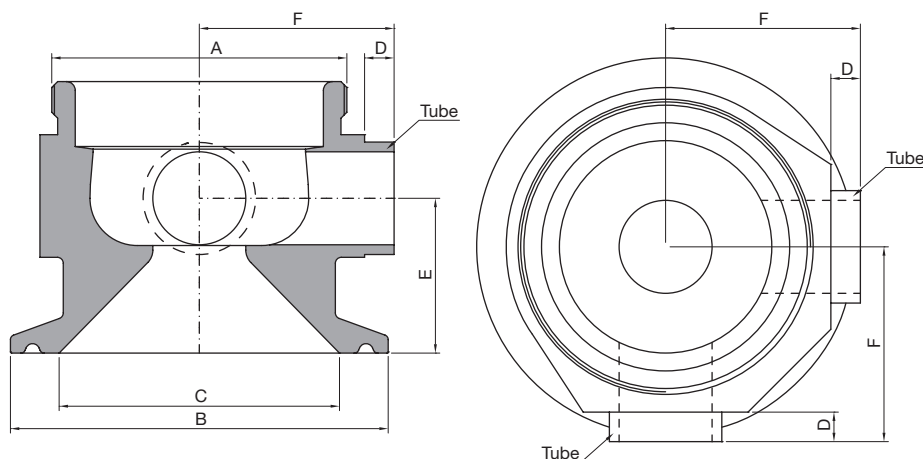
**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly



TECHNICAL INFORMATION \_ CAT. N. YT25 FTCL 0000 A##00

## FLOW THROUGH 90 1" TC CONN. VALVE BODY



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.

**YT25 - FTCL - Flow Through TC 1" Connectable Valve** for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

COWDE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT25-FTCL-0000-A1200	M34x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	21,00 (0,83)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT25-FTCL-0000-A1900	M50x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	24,00 (0,95)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT25-FTCL-0000-A2500	M70x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	45,00 (1,77)	47,00 (1,85)	25,40x1,65 (1,00x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A12	A19	A25				
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NET VOLUME <sup>(1)</sup>	ml	2,86	10,23	32,14			
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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**Environment 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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

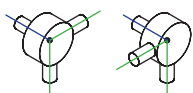
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

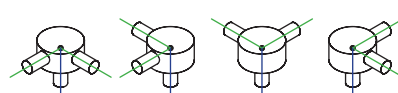
**Options:** For non-standard CAD Valve body Options, please contact us for further information.

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly

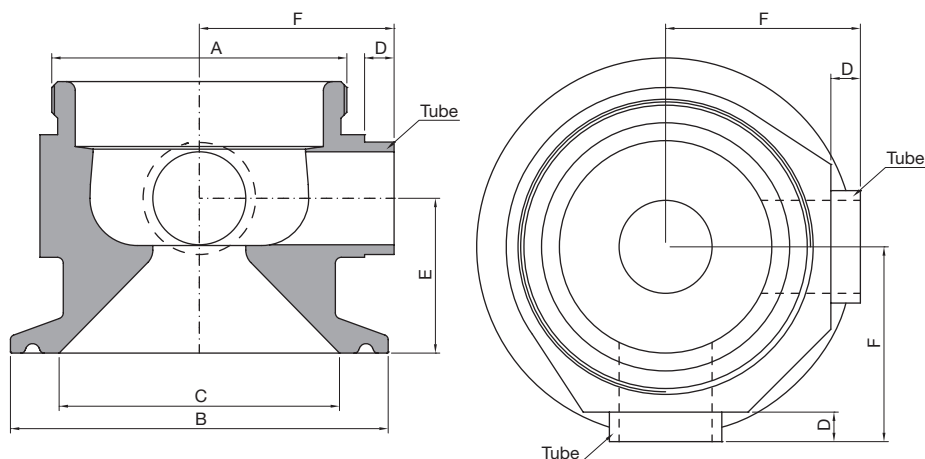


Vertical Assembly



TECHNICAL INFORMATION \_ CAT. N. YT38 FTCL 0000 A##00

## FLOW THROUGH 90 1"1/2 TC CONN. VALVE BODY



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.

**YT38 - FTCL - Flow Through TC 1"1/2 Connectable Valves** for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT38-FTCL-0000-A1200	M34x1	50,40 (1,98)	34,80 (1,37)	5,00 (0,20)	21,00 (0,83)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT38-FTCL-0000-A1900	M50x1	50,40 (1,98)	34,80 (1,37)	5,00 (0,20)	24,00 (0,95)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT38-FTCL-0000-A2500	M70x1	50,40 (1,98)	34,80 (1,37)	5,00 (0,20)	45,00 (1,77)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT38-FTCL-0000-A3800	M80x1,5	50,40 (1,98)	34,80 (1,37)	21,00 (0,83)	54,00 (2,13)	60,00 (2,36)	38,10x1,65 (1,50x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A12	A19	A25	A38			
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NET VOLUME <sup>(1)</sup>	ml	2,86	10,23	32,14	86,89		
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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**Environment Temperature:** -80 to 200 °C (-112 to 392 °F)

**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

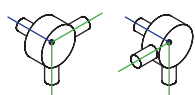
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

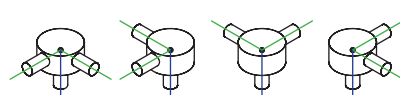
**Options:** For non-standard CAD Valve body Options, please contact us for further information.

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly



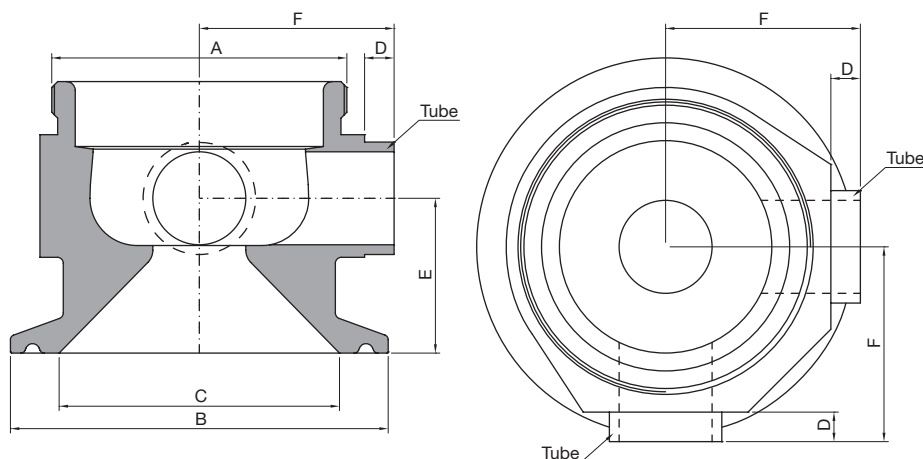
Vertical Assembly





TECHNICAL INFORMATION \_ CAT. N. YT50 FTCL 0000 A##00

## FLOW THROUGH 90 2" TC CONN. VALVE BODY



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.

**YT50 - FTCL - Flow Through TC 2" Connectable Valves** for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT50-FTCL-0000-A1200	M34x1	64,00 (2,52)	47,50 (1,87)	5,00 (0,20)	23,50 (0,93)	31,00 (1,22)	12,70x1,65 (0,50x0,065)
YT50-FTCL-0000-A1900	M50x1	64,00 (2,52)	47,50 (1,87)	5,00 (0,20)	26,00 (1,02)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT50-FTCL-0000-A2500	M70x1	64,00 (2,52)	47,50 (1,87)	5,00 (0,20)	47,00 (1,85)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT50-FTCL-0000-A3800	M80x1,5	64,00 (2,52)	47,50 (1,87)	21,00 (0,83)	54,00 (2,13)	60,00 (2,36)	38,10x1,65 (1,50x0,065)
YT50-FTCL-0000-A5000	M103x1,5	64,00 (2,52)	47,50 (1,87)	24,00 (0,95)	62,00 (2,44)	75,00 (2,95)	50,80x1,65 (2,00x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A12	A19	A25	A38			
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NET VOLUME <sup>(1)</sup>	ml	2,86	10,23	32,14	86,89		
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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**Environment Temperature:** -80 to 200 °C (-112 to 392 °F)

**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

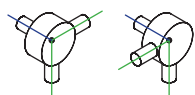
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

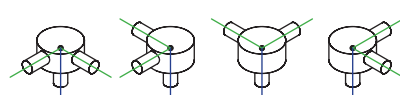
**Options:** For non-standard CAD Valve body Options, please contact us for further information.

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly

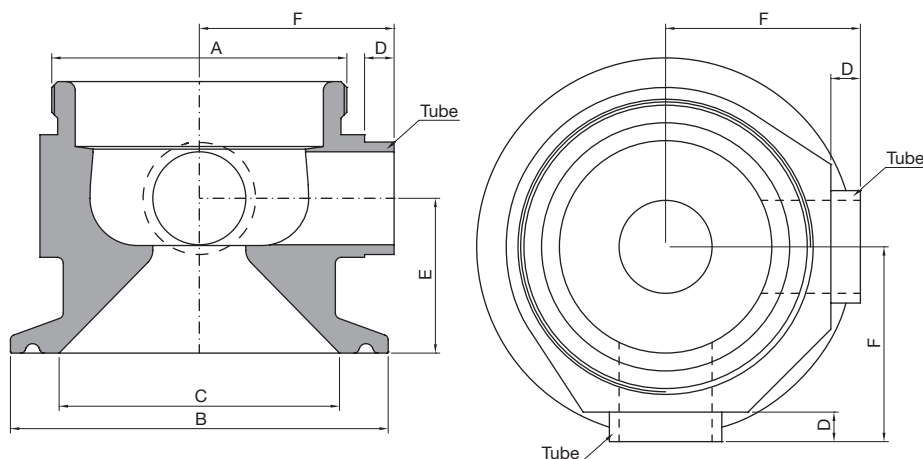


Vertical Assembly



TECHNICAL INFORMATION \_ CAT. N. YT63 FTCL 0000 A##00

## FLOW THROUGH 90 2" 1/2 TC CONN. VALVE BODY



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.

**YT63 - FTCL - Flow Through TC 2"1/2 Connectable Valves** for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT63-FTCL-0000-A1200	M34x1	77,50 (3,09)	60,20 (2,37)	5,00 (0,20)	26,50 (1,04)	38,50 (1,52)	12,70x1,65 (0,50x0,065)
YT63-FTCL-0000-A1900	M50x1	77,50 (3,09)	60,20 (2,37)	5,00 (0,20)	29,00 (1,14)	37,00 (1,46)	19,05x1,65 (0,75x0,065)
YT63-FTCL-0000-A2500	M70x1	77,50 (3,09)	60,20 (2,37)	5,00 (0,20)	35,00 (1,38)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT63-FTCL-0000-A3800	M80x1,5	77,50 (3,09)	60,20 (2,37)	21,00 (0,83)	54,00 (2,13)	60,00 (2,36)	38,10x1,65 (1,50x0,065)
YT63-FTCL-0000-A5000	M103x1,5	77,50 (3,09)	60,20 (2,37)	24,00 (0,95)	62,00 (2,44)	75,00 (2,95)	50,80x1,65 (2,00x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME <sup>(1)</sup>	ml	2,86	10,23	32,14	86,89	208,58	
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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**Environment Temperature:** -80 to 200 °C (-112 to 392 °F)

**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

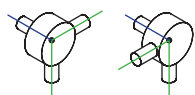
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

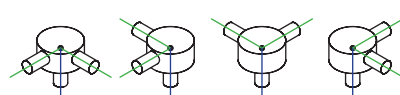
**Options:** For non-standard CAD Valve body Options, please contact us for further information.

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly

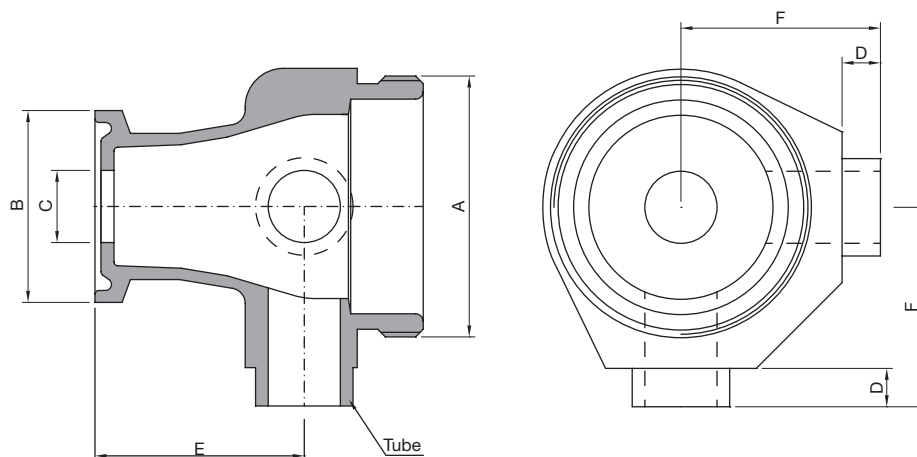


Vertical Assembly



TECHNICAL INFORMATION \_ CAT. N. YT12 FECL 0000 A##00

## EXTENDED FLOW THROUGH 90 1/2"-3/4" TC CONN. VALVE BODY



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.

**YT12 - FECL - Extended Flow Through TC 1/2"-3/4" Connectable Valves** for SAFE areas designed to intercept flow pattern, with flush flow design TC frontal inlet valve connection. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT12-FECL-0000-A1200	M34x1	25,00 (0,98)	9,40 (0,37)	5,00 (0,20)	27,50 (1,08)	26,00 (1,02)	12,70x1,65 (0,50x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

<b>CAD SIZE</b>	A12						
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<b>NET VOLUME<sup>(1)</sup></b>	ml	7,12					
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

<b>MATERIAL</b>	1,4435-BN2 - Low Ferrite - Low Sulphur						
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**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

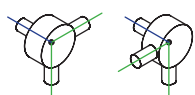
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

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

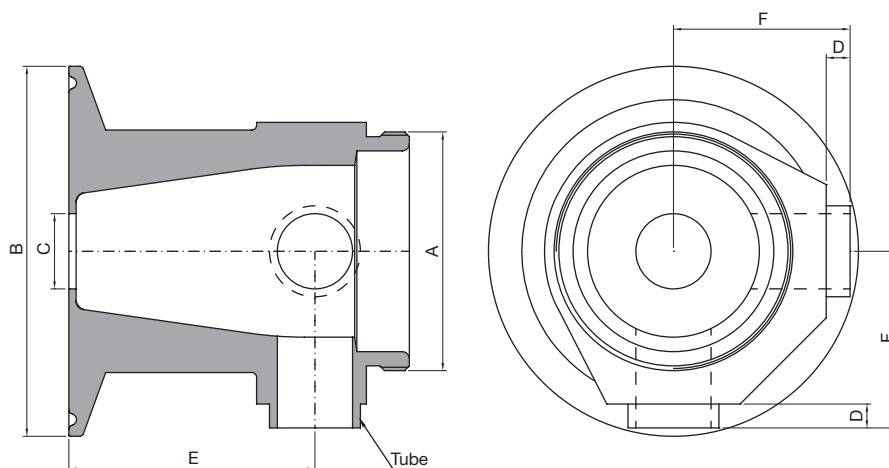
**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly



TECHNICAL INFORMATION \_ CAT. N. YT38 FECL 0000 A##00

## EXTENDED FLOW THROUGH 90 1"1/2 TC CONN. VALVE BODY



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.

**YT38 - FECL - Extended Flow Through TC 1"1/2 Connectable Valves** for SAFE areas is designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT38-FECL-0000-A1200	M34x1	50,40 (1,98)	9,40 (0,37)	5,00 (0,20)	26,50 (1,04)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT38-FECL-0000-A1900	M50x1	50,40 (1,98)	15,75 (0,62)	5,00 (0,20)	51,50 (2,03)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT38-FECL-0000-A2500	M70x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	54,00 (2,13)	47,00 (1,85)	25,40x1,65 (1,00x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A12	A19	A25				
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NET VOLUME <sup>(1)</sup>	ml	7,12	30,20	56,36			
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

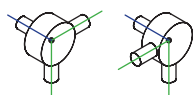
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also 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](http://www.rattiinox.com)

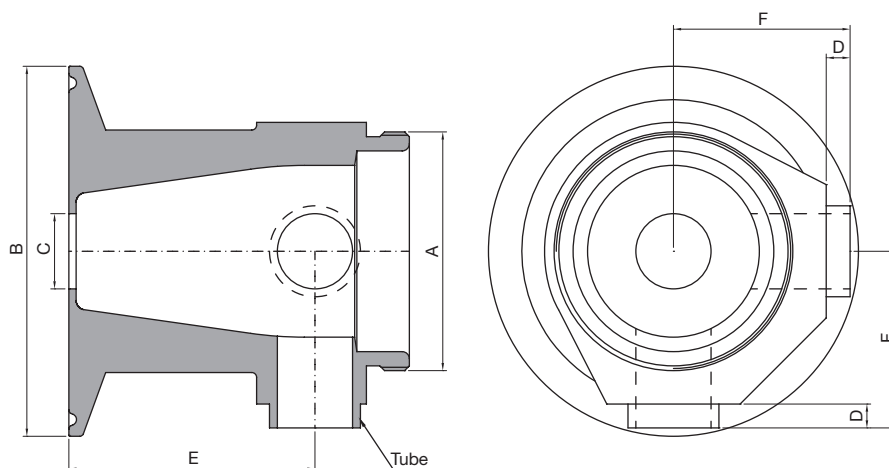
Horizontal Assembly





TECHNICAL INFORMATION \_ CAT. N. YT50 FECL 0000 A##00

## EXTENDED FLOW THROUGH 90 2" TC CONN. VALVE BODY



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.

**YT50 - FECL - Extended Flow Through TC 2" Connectable Valves** for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT50-FECL-0000-A1200	M34x1	64,00 (2,52)	9,40 (0,37)	5,00 (0,20)	26,50 (1,04)	31,00 (1,22)	12,70x1,65 (0,50x0,065)
YT50-FECL-0000-A1900	M50x1	64,00 (2,52)	15,75 (0,62)	5,00 (0,20)	51,50 (2,03)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT50-FECL-0000-A2500	M70x1	64,00 (2,52)	22,10 (0,87)	5,00 (0,20)	54,00 (2,13)	47,00 (1,85)	25,40x1,65 (1,00x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A12	A19	A25				
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NET VOLUME <sup>(1)</sup>	ml	7,12	30,20	56,36			
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**Surface Treatment:** Available also on EP version - Elektropolishing 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.

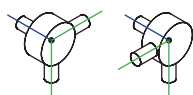
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

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

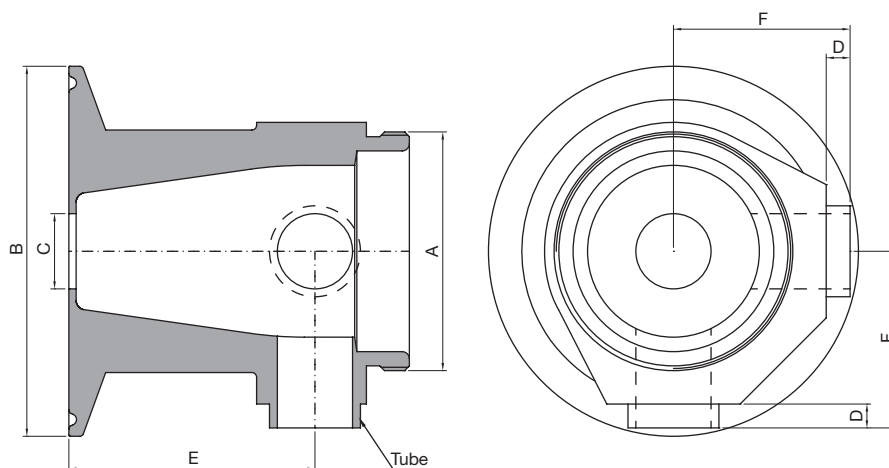
**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly



TECHNICAL INFORMATION \_ CAT. N. YT63 FECL 0000 A##00

## EXTENDED FLOW THROUGH 90 2"1/2 TC CONN. VALVE BODY



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.

**YT63 - FECL - Extended Flow Through TC 2"1/2 Connectable Valves** for SAFE areas is designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT63-FECL-0000-A1900	M50x1	77,50 (3,09)	15,75 (0,62)	5,00 (0,20)	51,50 (2,03)	37,00 (1,46)	19,05x1,65 (0,75x0,065)
YT63-FECL-0000-A2500	M70x1	77,50 (3,09)	22,10 (0,87)	5,00 (0,20)	54,00 (2,13)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT63-FECL-0000-A3800	M80x1,5	77,50 (3,09)	34,80 (1,37)	21,00 (0,83)	75,00 (2,95)	60,00 (2,36)	38,10x1,65 (1,50x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A19	A25	A38				
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NET VOLUME <sup>(1)</sup>	ml	30,20	56,36	170,98			
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
 External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**Surface Treatment:** Available also on EP version - Elektropolishing 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.

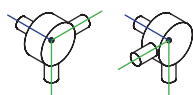
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

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

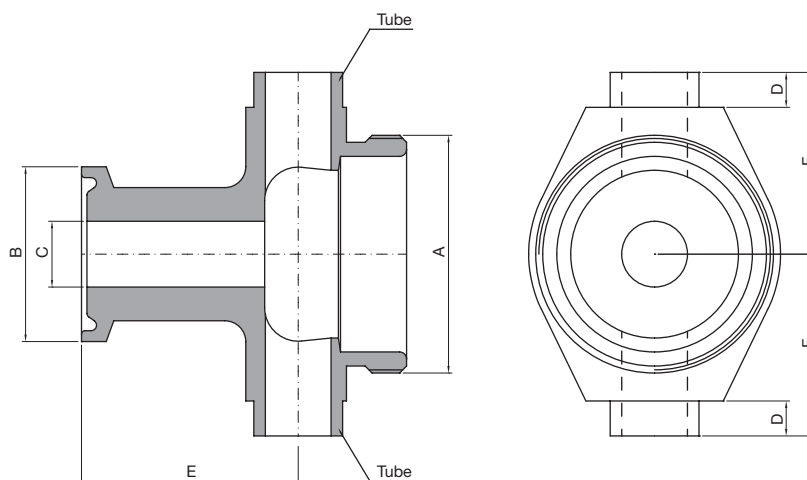
**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly



TECHNICAL INFORMATION \_ CAT. N. YT12 FTCl 0000 A##00

## FLOW THROUGH 180 1/2" TC CONN. VALVE BODY



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.

**YT12 - FTCl - Flow Through TC 1/2" Connectable Valves** for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT12-FTCl-0000-A1200	M34x1	25,00 (0,98)	9,40 (0,37)	5,00 (0,20)	31,00 (1,22)	26,00 (1,02)	12,70x1,65 (0,50x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

<b>CAD SIZE</b>	A12						
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<b>NET VOLUME<sup>(1)</sup></b>	ml	2,86					
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

<b>MATERIAL</b>	1,4435-BN2 - Low Ferrite - Low Sulphur						
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**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

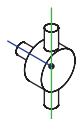
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

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

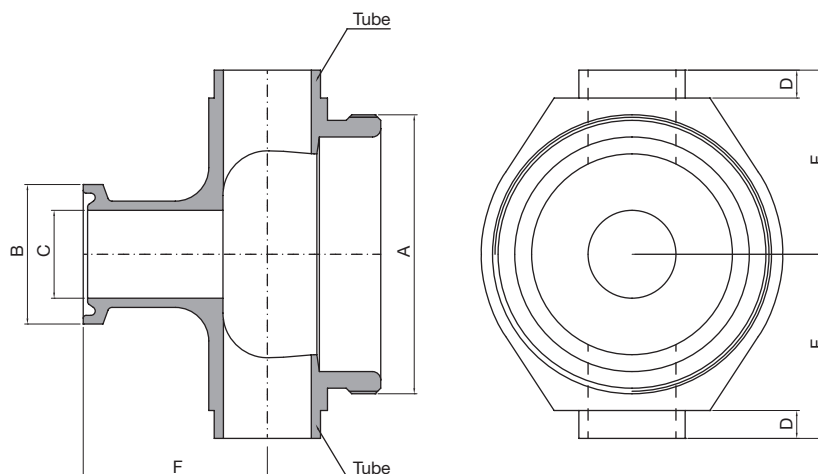
**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly



TECHNICAL INFORMATION \_ CAT. N. YT19 FTCl 0000 A##00

## FLOW THROUGH 180 3/4" TC CONN. VALVE BODY



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.

**YT19 - FTCl - Flow Through TC 3/4" Connectable Valves** for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT19-FTCl-0000-A1200	M34x1	25,00 (0,98)	9,40 (0,37)	5,00 (0,20)	31,00 (1,22)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT19-FTCl-0000-A1900	M50x1	25,00 (0,98)	15,75 (0,62)	5,00 (0,20)	33,00 (1,30)	33,00 (1,30)	19,05x1,65 (0,75x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

<b>CAD SIZE</b>	A12	A19					
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<b>VOLUME</b>	ml	2,86	10,23				
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

<b>MATERIAL</b>	1,4435-BN2 - Low Ferrite - Low Sulphur						
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**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

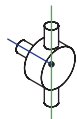
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also 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](http://www.rattiinox.com)

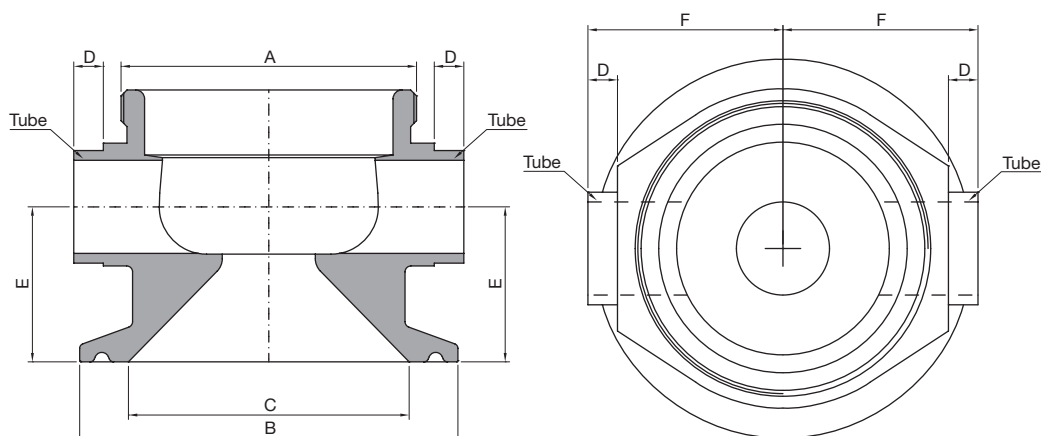
Horizontal Assembly





TECHNICAL INFORMATION \_ CAT. N. YT25 FTCl 0000 A##00

## FLOW THROUGH 180 1" TC CONN. VALVE BODY



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.

**YT25 - FTCl - Flow Through TC 1" Connectable Valves** for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT25-FTCl-0000-A1200	M34x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	21,00 (0,83)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT25-FTCl-0000-A1900	M50x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	24,00 (0,95)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT25-FTCl-0000-A2500	M70x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	45,00 (1,77)	47,00 (1,85)	25,40x1,65 (1,00x0,065)

(\*) US Tube ASTM® A269/270

**SPECIFICATION:**

CAD SIZE	A12	A19	A25				
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NET VOLUME <sup>(1)</sup>	ml	2,86	10,23	32,14			
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

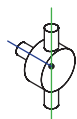
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

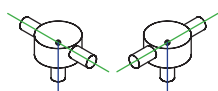
**Options:** For non-standard CAD Valve body Options, please contact us for further information.

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly

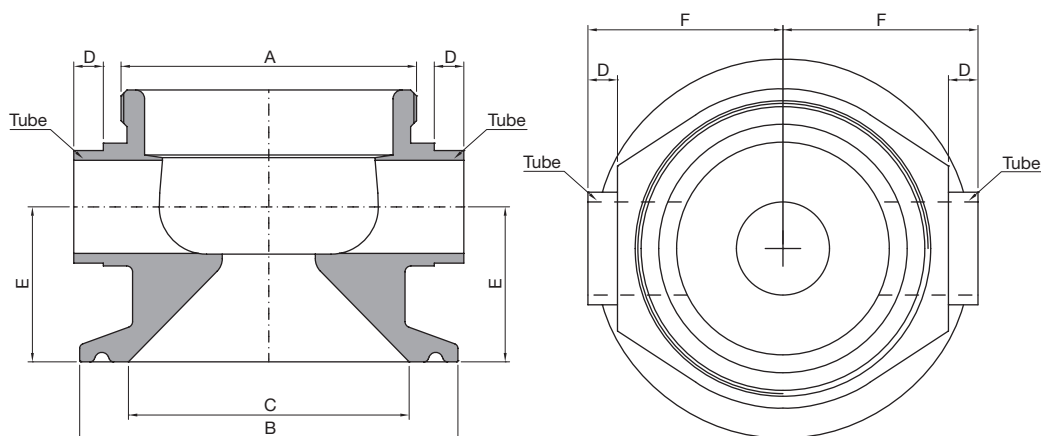


Vertical Assembly



TECHNICAL INFORMATION \_ CAT. N. YT38 FTCl 0000 A##00

## FLOW THROUGH 180 1"1/2 TC CONN. VALVE BODY



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.

**YT38 - FTCl - Flow Through TC 1"1/2 Connectable Valves** for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT38-FTCl-0000-A1200	M34x1	50,40 (1,98)	34,80 (1,37)	5,00 (0,20)	21,00 (0,83)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT38-FTCl-0000-A1900	M50x1	50,40 (1,98)	34,80 (1,37)	5,00 (0,20)	24,00 (0,95)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT38-FTCl-0000-A2500	M70x1	50,40 (1,98)	34,80 (1,37)	5,00 (0,20)	45,00 (1,77)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT38-FTCl-0000-A3800	M80x1,5	50,40 (1,98)	34,80 (1,37)	21,00 (0,83)	54,00 (2,13)	60,00 (2,36)	38,10x1,65 (1,50x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A12	A19	A25	A38			
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NET VOLUME <sup>(1)</sup>	ml	2,86	10,23	32,14	86,89		
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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**Design Temperature:** -80 to 200 °C (-112 to 392 °F)

**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

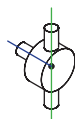
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

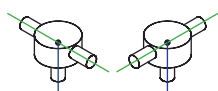
**Options:** For non-standard CAD Valve body Options, please contact us for further information.

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly

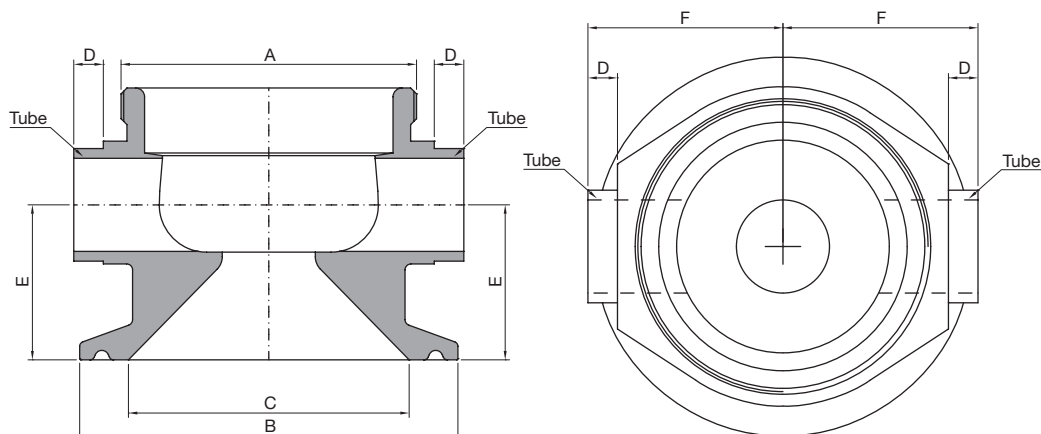


Vertical Assembly



TECHNICAL INFORMATION \_ CAT. N. YT50 FTCl 0000 A##00

## FLOW THROUGH 180 2" TC CONN. VALVE BODY



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.

**YT50 - FTCl - Flow Through TC 2" Connectable Valves** for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT50-FTCl-0000-A1200	M34x1	64,00 (2,52)	47,50 (1,87)	5,00 (0,20)	23,50 (0,93)	31,00 (1,22)	12,70x1,65 (0,50x0,065)
YT50-FTCl-0000-A1900	M50x1	64,00 (2,52)	47,50 (1,87)	5,00 (0,20)	26,00 (1,02)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT50-FTCl-0000-A2500	M70x1	64,00 (2,52)	47,50 (1,87)	5,00 (0,20)	47,00 (1,85)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT50-FTCl-0000-A3800	M80x1,5	64,00 (2,52)	47,50 (1,87)	21,00 (0,83)	54,00 (2,13)	60,00 (2,36)	38,10x1,65 (1,50x0,065)
YT50-FTCl-0000-A5000	M103x1,5	64,00 (2,52)	47,50 (1,87)	24,00 (0,95)	62,00 (2,44)	75,00 (2,95)	50,80x1,65 (2,00x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE		A12	A19	A25	A38	A50		
NET VOLUME <sup>(1)</sup>	ml	2,86	10,23	32,14	86,89	208,58		
MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur							

<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

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

**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

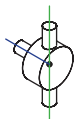
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

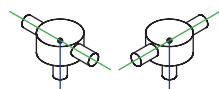
**Options:** For non-standard CAD Valve body Options, please contact us for further information

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly

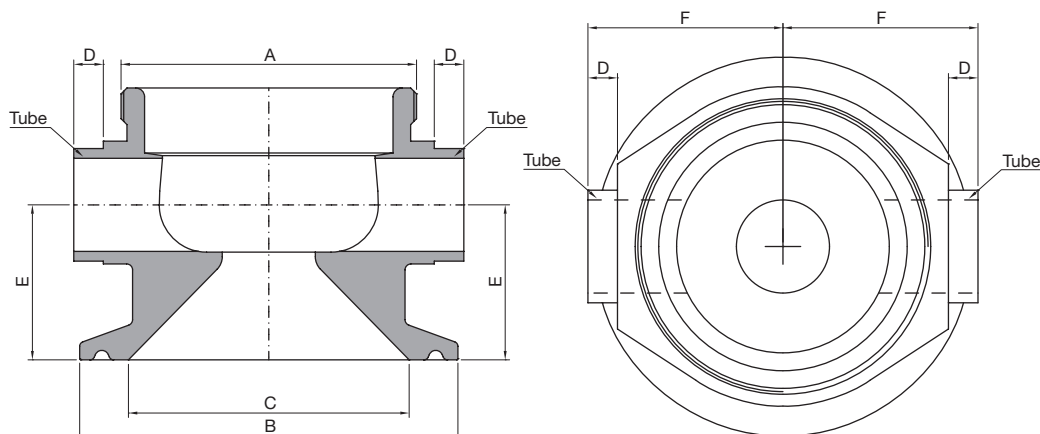


Vertical Assembly



TECHNICAL INFORMATION \_ CAT. N. YT63 FTCl 0000 A##00

## FLOW THROUGH 180 2"1/2 TC CONN. VALVE BODY



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.

**YT63 - FTCl - Flow Through TC 2"1/2 Connectable Valves** for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt welding ends but, on demand, may be delivered for orbital weld or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT63-FTCl-0000-A1200	M34x1	77,50 (3,09)	60,20 (2,37)	5,00 (0,20)	26,50 (1,04)	38,50 (1,52)	12,70x1,65 (0,50x0,065)
YT63-FTCl-0000-A1900	M50x1	77,50 (3,09)	60,20 (2,37)	5,00 (0,20)	29,00 (1,14)	37,00 (1,46)	19,05x1,65 (0,75x0,065)
YT63-FTCl-0000-A2500	M70x1	77,50 (3,09)	60,20 (2,37)	5,00 (0,20)	35,00 (1,38)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT63-FTCl-0000-A3800	M80x1,5	77,50 (3,09)	60,20 (2,37)	21,00 (0,83)	54,00 (2,13)	60,00 (2,36)	38,10x1,65 (1,50x0,065)
YT63-FTCl-0000-A5000	M103x1,5	77,50 (3,09)	60,20 (2,37)	24,00 (0,95)	62,00 (2,44)	75,00 (2,95)	50,80x1,65 (2,00x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME <sup>(1)</sup>	ml	2,86	10,23	32,14	86,89	208,58	
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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**Design Temperature:** -80 to 200 °C (-112 to 392 °F)

**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

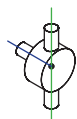
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

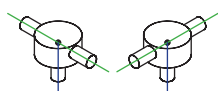
**Options:** For non-standard CAD Valve body Options, please contact us for further information.

**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly



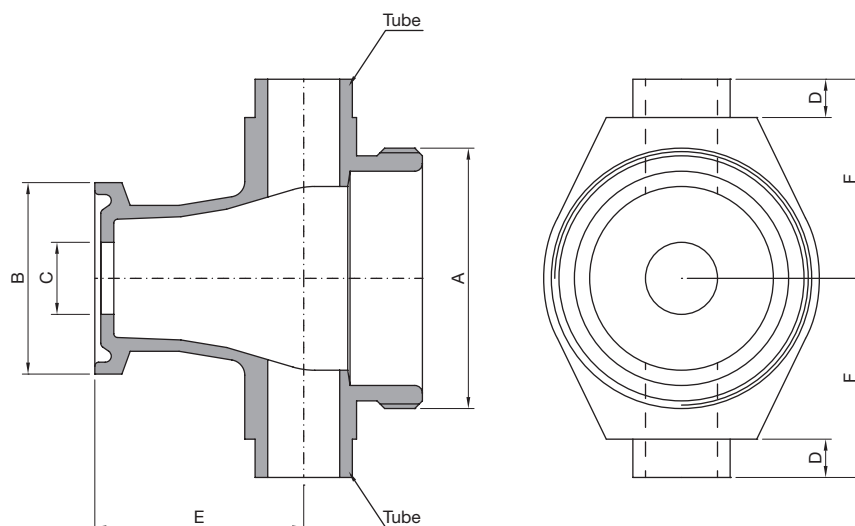
Vertical Assembly





TECHNICAL INFORMATION \_ CAT. N. YT12 FECl 0000 A##00

## EXTENDED FLOW THROUGH 180 1/2"-3/4" TC CONN. VALVE BODY



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.

**YT12 - FECl - Extended Flow Through TC 1/2"-3/4" Connectable Valves** for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT12-FECl-0000-A1200	M34x1	25,00 (0,98)	9,40 (0,37)	5,00 (0,20)	27,50 (1,08)	26,00 (1,02)	12,70x1,65 (0,50x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

<b>CAD SIZE</b>	A12						
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<b>NET VOLUME<sup>(1)</sup></b>	ml	7,12					
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

<b>MATERIAL</b>	1,4435-BN2 - Low Ferrite - Low Sulphur						
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**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

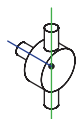
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

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

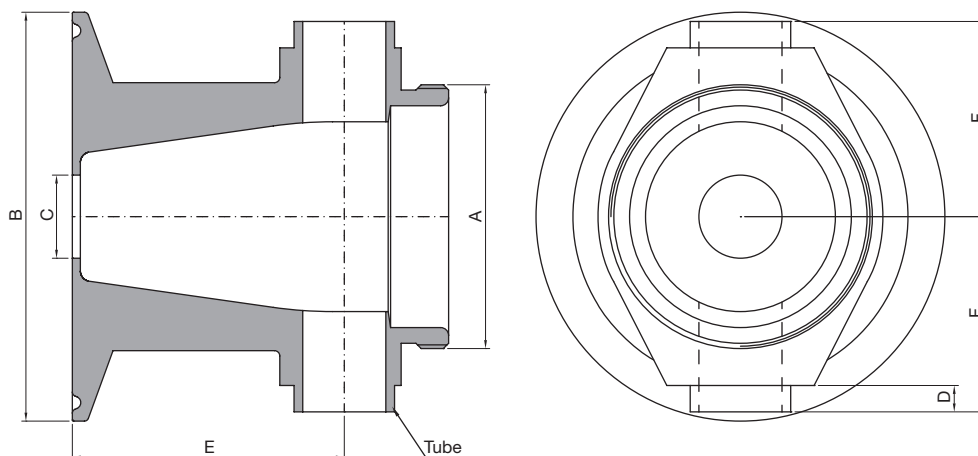
**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly



TECHNICAL INFORMATION \_ CAT. N. YT38 FECI 0000 A##00

## EXTENDED FLOW THROUGH 180 1"-1"1/2 TC CONN. VALVE BODY



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.

**YT38 - FECI - Extended Flow Through TC 1"-1"1/2 Connectable Valves** for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available minimizing the Dead-Leg in correspondence of the frontal inlet of the valve. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT38-FECI-0000-A1200	M34x1	50,40 (1,98)	9,40 (0,37)	5,00 (0,20)	26,50 (1,04)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT38-FECI-0000-A1900	M50x1	50,40 (1,98)	15,75 (0,62)	5,00 (0,20)	51,50 (2,03)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT38-FECI-0000-A2500	M70x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	54,00 (2,13)	47,00 (1,85)	25,40x1,65 (1,00x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A12	A19	A25				
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NET VOLUME <sup>(1)</sup>	ml	7,12	30,20	56,36			
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

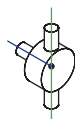
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

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

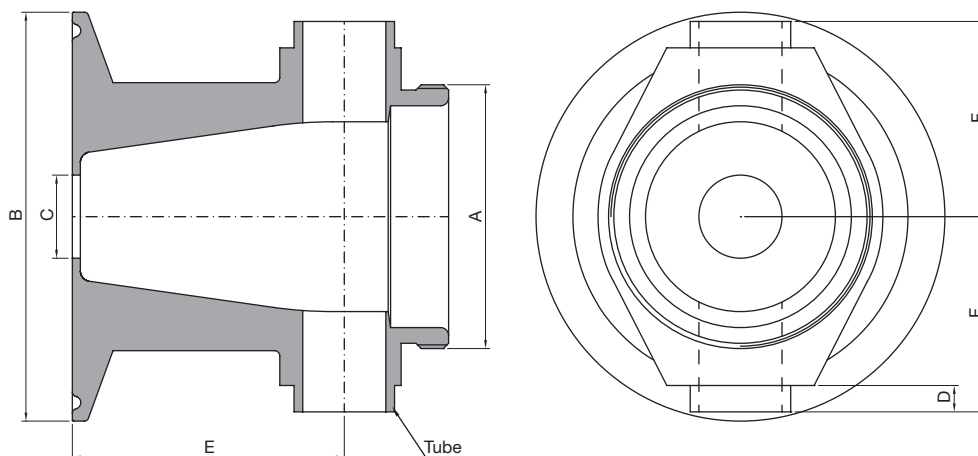
**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly



TECHNICAL INFORMATION \_ CAT. N. YT50 FECI 0000 A##00

## EXTENDED FLOW THROUGH 180 2" TC CONN. VALVE BODY



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.

**YT50 - FECI - Extended Flow Through TC 2" Connectable Valve** for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT50-FECI-0000-A1200	M34x1	64,00 (2,52)	9,40 (0,37)	5,00 (0,20)	26,50 (1,04)	31,00 (1,22)	12,70x1,65 (0,50x0,065)
YT50-FECI-0000-A1900	M50x1	64,00 (2,52)	15,75 (0,62)	5,00 (0,20)	51,50 (2,03)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT50-FECI-0000-A2500	M70x1	64,00 (2,52)	22,10 (0,87)	5,00 (0,20)	54,00 (2,13)	47,00 (1,85)	25,40x1,65 (1,00x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A12	A19	A25				
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NET VOLUME <sup>(1)</sup>	ml	7,12	30,20	56,36			
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

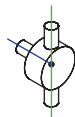
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also tangential outlet Left or Right

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

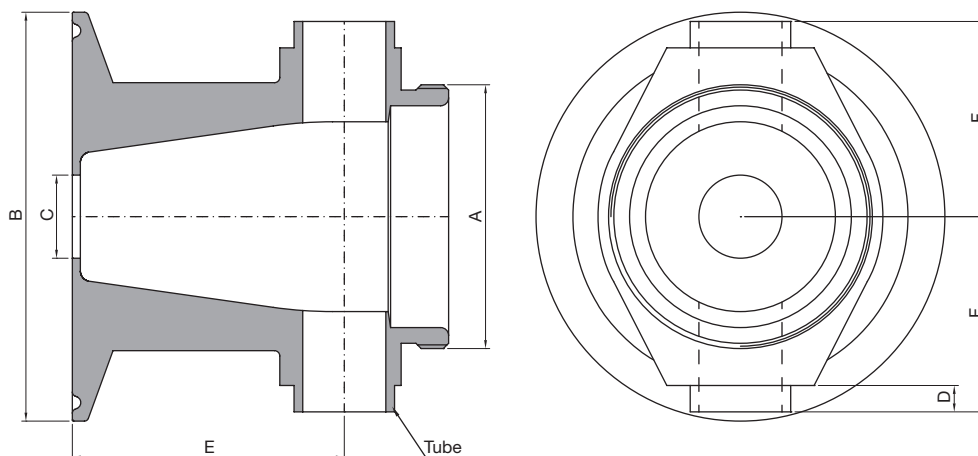
**Orders and Information:** For additional information or to place a order call your nearest Distributor or visit [www.rattiinox.com](http://www.rattiinox.com)

Horizontal Assembly



TECHNICAL INFORMATION \_ CAT. N. YT63 FECI 0000 A##00

## EXTENDED FLOW THROUGH 180 2"1/2 TC CONN. VALVE BODY



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.

**YT63 - FECI - Extended Flow Through TC 2"1/2 Connectable Valves** for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT63-FECI-0000-A1900	M50x1	77,50 (3,09)	15,75 (0,62)	5,00 (0,20)	51,50 (2,03)	37,00 (1,46)	19,05x1,65 (0,75x0,065)
YT63-FECI-0000-A2500	M70x1	77,50 (3,09)	22,10 (0,87)	5,00 (0,20)	54,00 (2,13)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT63-FECI-0000-A3800	M80x1,5	77,50 (3,09)	34,80 (1,37)	21,00 (0,83)	75,00 (2,95)	60,00 (2,36)	38,10x1,65 (1,50x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A19	A25	A38				
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NET VOLUME <sup>(1)</sup>	ml	30,20	56,36	170,98			
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur						
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**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**Surface Treatment:** Available also on EP version - Electropolishing 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.

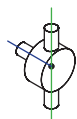
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also 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](http://www.rattiinox.com)

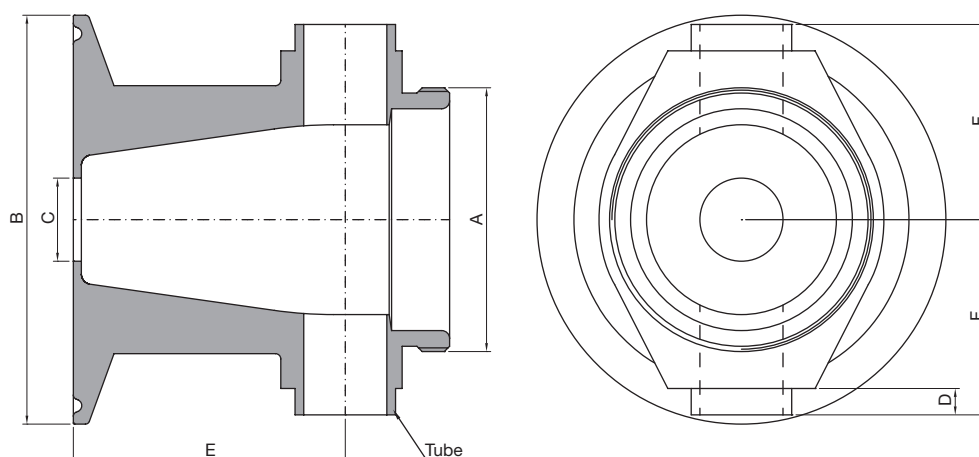
Horizontal Assembly





TECHNICAL INFORMATION \_ CAT. N. YT00 FECI 0000 A##00

## EXTENDED FLOW THROUGH 180 4" TC CONN. VALVE BODY



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.

**YT00 - FECI - Extended Flow Through TC 4" Connectable Valves** for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard versions are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT00-FECI-0000-A3800	M80x1,5	119,00 (4,69)	34,80 (1,37)	21,00 (0,83)	51,50 (2,03)	75,00 (2,95)	38,10x1,65 (1,50x0,065)
YT00-FECI-0000-A5000	M103x1,5	119,00 (4,69)	47,50 (1,87)	24,00 (0,95)	54,00 (2,13)	77,00 (3,03)	50,80x1,65 (2,00x0,065)

(\*) US Tube ASTM® A269/270 – ASME BPE

**SPECIFICATION:**

CAD SIZE	A38	A50					
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NET VOLUME <sup>(1)</sup>	ml	170,98	380,00				
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<sup>(1)</sup> Internal valve cavity only, with diaphragm on site

MATERIAL	1.4435-BN2 - Low Ferrite - Low Sulphur
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**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)  $Ra \leq 0.3\mu m$  (16 $\mu in$ )  
External surface  $Ra \leq 0.5\mu m$  (20 $\mu in$ )

**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.

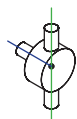
**Rules Compliances:** CAD valve are on going to be classified for PED Directive 2014/68/EU and fulfill ASME BPE Standards

**Standard design:** TC connectable Shut Off bodies are available also 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](http://www.rattiinox.com)

Horizontal Assembly



Upside-Down Assembly

