USER FRIENDLY

K 500
BTV Manual

Bottom Tank Valves
with Manual Actuators
and PTFE Diaphragms

K 505
BTV Pneumatic

Bottom Tank Valves
with NC Pneumatic Actuators
and PTFE Diaphragms

K 510
BTV Pneumatic with sensors

Bottom Tank Valves
with NC Pneumatic Actuators,
PTFE Diaphragms
and Position Sensors

K 550
TCS Manual

Tri-Clamp Extended Sampling
Valves With Manual Actuators
And Diaphragms

K 551
TCS Pneumatic

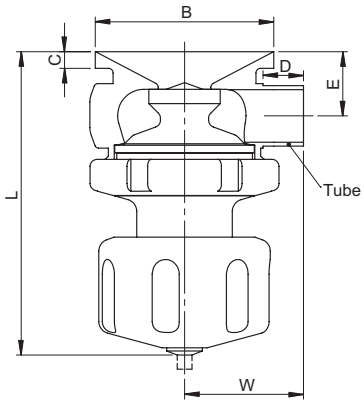
Tri-Clamp Extended Sampling
Valves With Pneumatic
Actuators And Diaphragms

K 552
TCS Pneumatic with sensors

Tri-Clamp Extended Sampling
Valves With Pneumatic
Actuators, Programmable
Double Position Sensors And
Diaphragms

TECHNICAL INFORMATION _ **YBTV A0## #### 1 ## #**

BTV MANUAL



YBTV A0## #### 1 ## # - BOTTOM TANK VALVES WITH MANUAL ACTUATORS AND DIAPHRAGMS are designed to take off fluids from the tank bottom for most stringent applications such as bioreactors, fermenters and preparation tanks. The body shape and their internal design offer a very reliable component for Aseptic Processing Applications. They have a simple and safe design, with full drainability, without asymptotic seals and dead legs, offering fast cleanability and sterilization practices. They are designed to fulfill the most stringent demands of CIP-SIP and production activities in Aseptic Processing. Equipped with PTFE diaphragms acc. to USP Class VI-121°C, or EPDM USP Class VI or Silicone USP Class VI, Manual Actuators made from stainless steel and PTFE. Bottom tank valves (BTV) are available in 6 different designs and 3 different outlet configurations to fulfill customer needs: with short butt weld ends, 45°, TC, with or without satellite valve for downstream CIP-SIP for clean and sterile transfer.

CODE	CAD Size	B mm	C mm	D mm	E mm	W mm	Tube mm	L mm	T (*) C°	P bar
YBTV A012 #### 1 ## #	A12	40.00	6.50	13.00	18.50	30.00	12.70x1.65	90.50	-80 / 200	-1 / 6
YBTV A019 #### 1 ## #	A19	55.00	7.00	16.00	21.70	40.00	19.05x1.65	102.00	-80 / 200	-1 / 6
YBTV A025 #### 1 ## #	A25	75.00	7.00	17.00	27.00	50.00	25.40x1.65	128.00	-80 / 200	-1 / 6
YBTV A038 #### 1 ## #	A38	85.00	7.00	18.50	34.50	60.00	38.10x1.65	159.00	-80 / 200	-1 / 6
YBTV A050 #### 1 ## #	A50	110.00	7.00	24.00	40.00	75.00	50.80x1.65	185.00	-80 / 200	-1 / 6

All dimensions are in mm - All data may change without prior notice
(*) For PTFE only

Body material: 1.4435-BN2 - Low Ferrite - Low Sulphur

Diaphragm material: PTFE USP Class VI – 121°C or EPDM USP Class VI or Silicone USP Class VI

Application Areas: SAFE

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)

External surface: Ra ≤ 0.8µm (32µin)

Surface Treatment: Manually polished (available also in EP version - Electropolishing after manual polishing)

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box

Standard Documentation: 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.

Orders and Information: For additional information, drawings or place an order call your nearest distributor.

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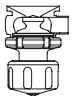
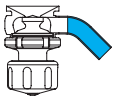
BODY CONFIGURATIONS

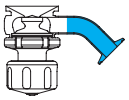
01 #
Basic configurations



01 A
Short butt weld outlet

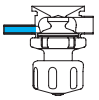


01 B
45° elbow butt weld outlet

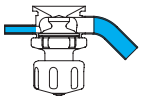


01 C
45° TC outlet

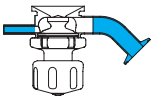
02 #
Configurations with SIP Butt Weld Port



02 A
Short butt weld outlet

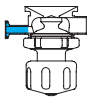


02 B
45° elbow butt weld outlet

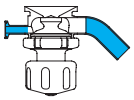


02 C
45° TC outlet

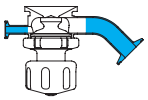
03 #
Configurations with SIP TC Port



03 A
Short butt weld outlet

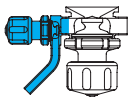


03 B
45° elbow butt weld outlet

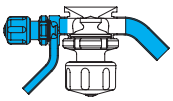


03 C
45° TC outlet

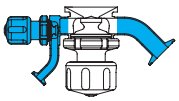
04 #
Configurations with Satellite Valve for Sterile Transfer (Downstream CIP/SIP)



04 A
Short butt weld outlet

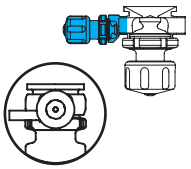


04 B
45° elbow butt weld outlet

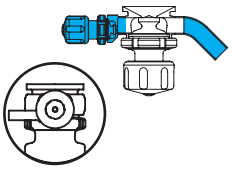


04 C
45° TC outlet

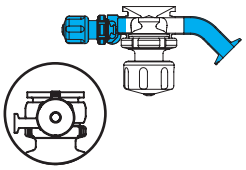
05 #
Configurations with Tang. Left Satellite Valve for Sterile Transfer (Downstream CIP/SIP) Space saving design for tight areas



05 A
Short butt weld outlet

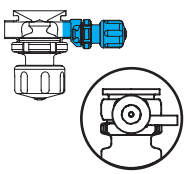


05 B
45° elbow butt weld outlet

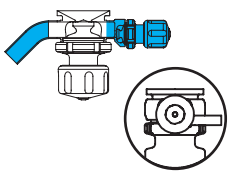


05 C
45° TC outlet

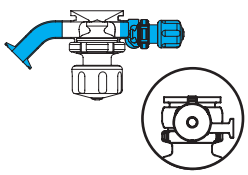
06 #
Configurations with Tang. Right Satellite Valve for Sterile Transfer (Downstream CIP/SIP) Space saving design for tight areas



06 A
Short butt weld outlet



06 B
45° elbow butt weld outlet



06 C
45° TC outlet

ATTENTION: add the code of the configuration (example: “01 C”)
after the code of the valve (instead of: “## #”) in order to achieve the complete valve code

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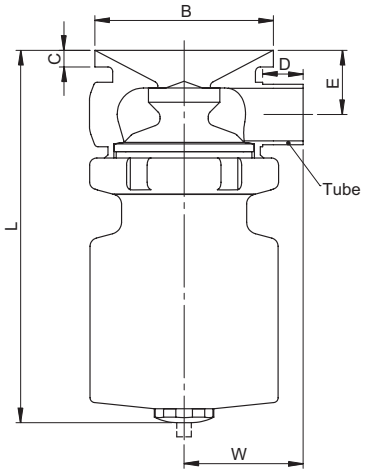
TECHNICAL INFORMATION _ **YBTV A0## #### 2 ## #**

BTV PNEUMATIC



YBTV A0## PTFE 2 ## # - BOTTOM TANK VALVES WITH NC PNEUMATIC ACTUATORS AND DIAPHRAGMS are designed to take off fluids from the tank bottom for most stringent applications such as bioreactors, fermenters and preparation tanks. The body shape and their internal design offer a very reliable component for Aseptic Processing Applications. They have a simple and safe design, with full drainability, without asymptotic seals and dead legs, offering fast cleanability and sterilization practices. They are designed to fulfill the most stringent demands of CIP-SIP and production activities in Aseptic Processing. Equipped with PTFE diaphragms acc. to USP Class VI-121°C, or EPDM USP Class VI or Silicone USP Class VI, NC Pneumatic Actuators made from stainless steel. Bottom tank valves (BTV) are available in 6 different designs and 3 different outlet configurations to fulfill customer needs: with short butt weld ends, 45°, TC, with or without satellite valve for downstream CIP-SIP for clean and sterile transfer.

CODE	CAD Size	B mm	C mm	D mm	E mm	W mm	Tube mm	L mm	T (*) C°	P bar
YBTV A012 #### 2 ## #	A12	40.00	6.50	13.00	18.50	30.00	12.70x1.65	100.00	-80 / 200	-1 / 6
YBTV A019 #### 2 ## #	A19	55.00	7.00	16.00	21.70	40.00	19.05x1.65	115.00	-80 / 200	-1 / 6
YBTV A025 #### 2 ## #	A25	75.00	7.00	17.00	27.00	50.00	25.40x1.65	157.00	-80 / 200	-1 / 6
YBTV A038 #### 2 ## #	A38	85.00	7.00	18.50	34.50	60.00	38.10x1.65	198.00	-80 / 200	-1 / 6
YBTV A050 #### 2 ## #	A50	110.00	7.00	24.00	40.00	75.00	50.80x1.65	243.00	-80 / 200	-1 / 6
YBTV A063 #### 2 ## #	A63	125.00	10.00	24.00	48.00	85.00	63.50x1.65	278.00	-80 / 200	-1 / 6
YBTV A076 #### 2 ## #	A76	150.00	10.00	30.00	58.00	100.00	76.20x1.65	308.00	-80 / 200	-1 / 4
YBTV A000 #### 2 ## #	A00	180.00	15.00	30.00	72.50	115.00	101.60x2.11	425.00	-80 / 200	-1 / 4

All dimensions are in mm - All data may change without prior notice
(*) For PTFE only

Body material: 1.4435-BN2 - Low Ferrite - Low Sulphur

Diaphragm material: PTFE USP Class VI – 121°C or EPDM USP Class VI or Silicone USP Class VI

Application Areas: SAFE

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)

External surface: Ra ≤ 0.8µm (32µin)

Surface Treatment: Manually polished (available also in EP version - Electropolishing after manual polishing)

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box

Standard Documentation: 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.

Orders and Information: For additional information, drawings or place an order call your nearest distributor.

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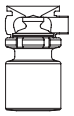
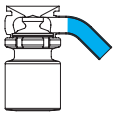
BODY CONFIGURATIONS

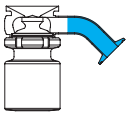
01 #
Basic configurations



01 A
Short butt weld outlet

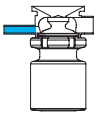


01 B
45° elbow butt weld outlet

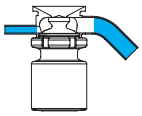


01 C
45° TC outlet

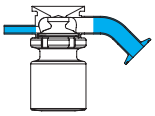
02 #
Configurations with SIP Butt Weld Port



02 A
Short butt weld outlet

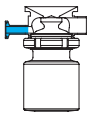


02 B
45° elbow butt weld outlet

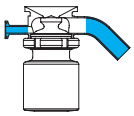


02 C
45° TC outlet

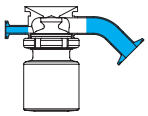
03 #
Configurations with SIP TC Port



03 A
Short butt weld outlet

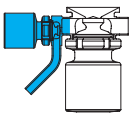


03 B
45° elbow butt weld outlet

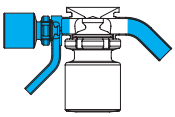


03 C
45° TC outlet

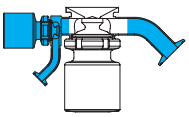
04 #
Configurations with Satellite Valve for Sterile Transfer (Downstream CIP/SIP)



04 A
Short butt weld outlet

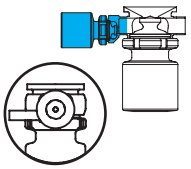


04 B
45° elbow butt weld outlet

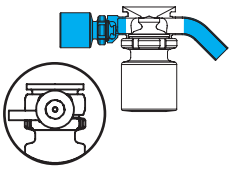


04 C
45° TC outlet

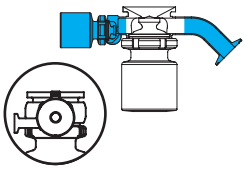
05 #
Configurations with Tang. Left Satellite Valve for Sterile Transfer (Downstream CIP/SIP) Space saving design for tight areas



05 A
Short butt weld outlet

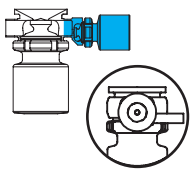


05 B
45° elbow butt weld outlet

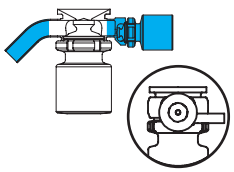


05 C
45° TC outlet

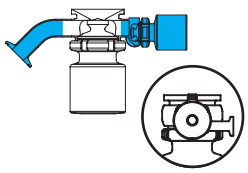
06 #
Configurations with Tang. Right Satellite Valve for Sterile Transfer (Downstream CIP/SIP) Space saving design for tight areas



06 A
Short butt weld outlet



06 B
45° elbow butt weld outlet



06 C
45° TC outlet

ATTENTION: add the code of the configuration (example: “01 C”)
after the code of the valve (instead of: “## #”) in order to achieve the complete valve code

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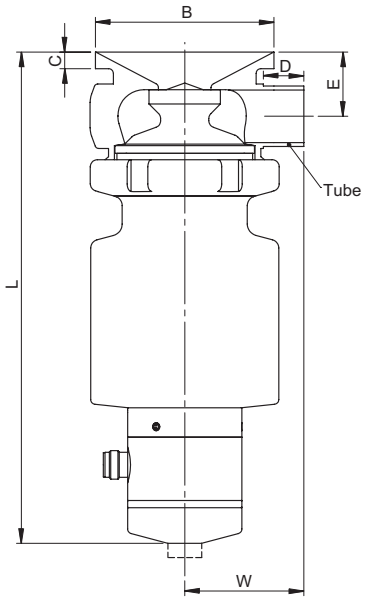
TECHNICAL INFORMATION _ **YBTV A0## #### 3 ## #**

BTV PNEUMATIC WITH SENSORS



YBTV A0## #### 3 ## # - BOTTOM TANK VALVES WITH NC PNEUMATIC ACTUATORS, DIAPHRAGMS AND POSITION SENSORS are designed to take off fluids from the tank bottom for most stringent applications such as bioreactors, fermenters and preparation tanks. The body shape and their internal design offer a very reliable component for Aseptic Processing Applications. They have a simple and safe design, with full drainability, without asymptotic seals and dead legs, offering fast cleanability and sterilization practices. They are designed to fulfill stringent demands of CIP-SIP and production activities in Aseptic Processing. Equipped with PTFE diaphragms acc. to USP Class VI-121°C or EPDM USP Class VI or Silicone USP Class VI, NC Pneumatic Actuators and CAD Programmable Double Position Sensor made from stainless steel. Bottom tank valves (BTV) are available in 6 different designs and 3 different outlet configurations to fulfill customer needs: with short butt weld ends, 45°, TC, with or without satellite valve for downstream CIP-SIP for clean and sterile transfer.

CODE	CAD Size	B mm	C mm	D mm	E mm	W mm	Tube mm	L mm	T (*) C°	P bar
YBTV A012 #### 3 ## #	A12	40.00	6.50	13.00	18.50	30.00	12.70x1.65	150.00	-80 / 200	-1 / 6
YBTV A019 #### 3 ## #	A19	55.00	7.00	16.00	21.70	40.00	19.05x1.65	165.00	-80 / 200	-1 / 6
YBTV A025 #### 3 ## #	A25	75.00	7.00	17.00	27.00	50.00	25.40x1.65	207.00	-80 / 200	-1 / 6
YBTV A038 #### 3 ## #	A38	85.00	7.00	18.50	34.50	60.00	38.10x1.65	248.00	-80 / 200	-1 / 6
YBTV A050 #### 3 ## #	A50	110.00	7.00	24.00	40.00	75.00	50.80x1.65	293.00	-80 / 200	-1 / 6
YBTV A063 #### 3 ## #	A63	125.00	10.00	24.00	48.00	85.00	63.50x1.65	328.00	-80 / 200	-1 / 6
YBTV A076 #### 3 ## #	A76	150.00	10.00	30.00	58.00	100.00	76.20x1.65	358.00	-80 / 200	-1 / 4
YBTV A000 #### 3 ## #	A00	180.00	15.00	30.00	72.50	115.00	101.60x2.11	475.00	-80 / 200	-1 / 4

All dimensions are in mm - All data may change without prior notice
(*) For PTFE only

Body material: 1.4435-BN2 - Low Ferrite - Low Sulphur

Diaphragm material: PTFE USP Class VI – 121°C or EPDM USP Class VI or Silicone USP Class VI

Application Areas: SAFE

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)

External surface: Ra ≤ 0.8µm (32µin)

Surface Treatment: Manually polished (available also in EP version - Electropolishing after manual polishing)

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box

Standard Documentation: 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.

Orders and Information: For additional information, drawings or place an order call your nearest distributor.

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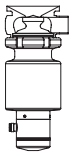
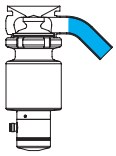
BODY CONFIGURATIONS

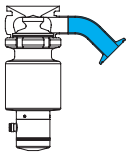
01 #
Basic configurations



01 A
Short butt weld outlet

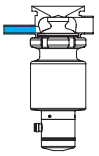


01 B
45° elbow butt weld outlet

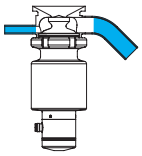


01 C
45° TC outlet

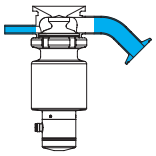
02 #
Configurations with SIP Butt Weld Port



02 A
Short butt weld outlet

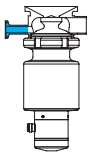


02 B
45° elbow butt weld outlet

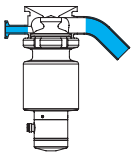


02 C
45° TC outlet

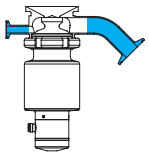
03 #
Configurations with SIP TC Port



03 A
Short butt weld outlet

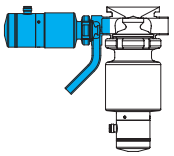


03 B
45° elbow butt weld outlet

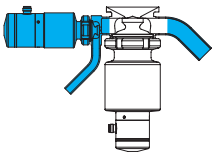


03 C
45° TC outlet

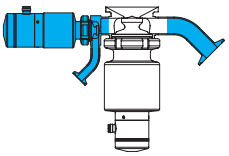
04 #
Configurations with Satellite Valve for Sterile Transfer (Downstream CIP/SIP)



04 A
Short butt weld outlet

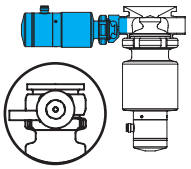


04 B
45° elbow butt weld outlet

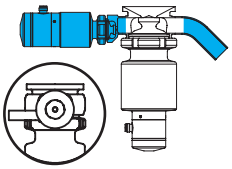


04 C
45° TC outlet

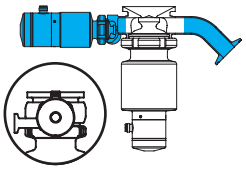
05 #
Configurations with Tang. Left Satellite Valve for Sterile Transfer (Downstream CIP/SIP) Space saving design for tight areas



05 A
Short butt weld outlet

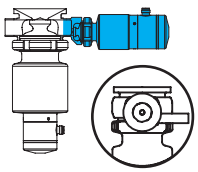


05 B
45° elbow butt weld outlet

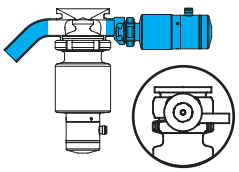


05 C
45° TC outlet

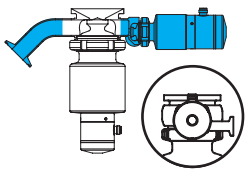
06 #
Configurations with Tang. Right Satellite Valve for Sterile Transfer (Downstream CIP/SIP) Space saving design for tight areas



06 A
Short butt weld outlet



06 B
45° elbow butt weld outlet



06 C
45° TC outlet

ATTENTION: add the code of the configuration (example: “01 C”)
after the code of the valve (instead of: “## #”) in order to achieve the complete valve code

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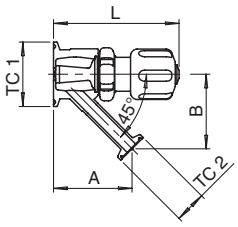
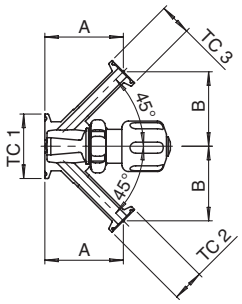
Version: 2016.03

TECHNICAL INFORMATION _ **YE12-TC##-PTFE-1###**

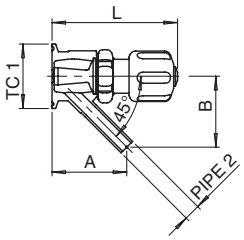
TCS MANUAL



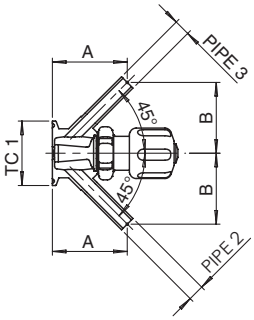
YE12-TC##-PTFE-1SO1
Valve with TC Outlet



YE12-TC##-PTFE-1FT1
Valve with TC Outlet & TC Inlet for CIP/SIP



YE12-TC##-PTFE-1SO2
Valve with BW Outlet



YE12-TC##-PTFE-1FT2
Valve with BW Outlet & BW Inlet for CIP/SIP

YE12-TC##-PTFE-1### - TRI-CLAMP EXTENDED SAMPLING VALVES WITH MANUAL ACTUATORS AND DIAPHRAGMS are designed to take sample of fluids from the tank for most stringent applications such as bioreactors, fermenters and preparation tanks. The body shape and their internal design offer a very reliable component for Aseptic Processing Applications. They have a simple and safe design, with full drainability up to 5° of inclined installation, without asymptotic seals and dead legs, offering fast cleanability and sterilization practices. They are designed to fufill the most stringent demands of CIP-SIP and production activities in Aseptic Processing. Equipped with PTFE diaphragms acc. to USP Class VI-121°C, Manual Actuators made from stainless steel and PTFE. Tri-Clamp Extended Sampling Valves (TCS) are available for connections from 1" up to 3" in 2 different designs (Shut-Off and Flow-Through) and 2 different outlet configurations (1/2" Tri-Clamp and Butt-Weld). Adding upstream satellite valves (Steam, Water, Nitrogen, Air, etc...) and downstream additional valves (CIP Drain, SIP Condensate, etc...), a clean and sterile sampling can be achieved avoiding cross-contamination risk.

CODE	CAD Size	TC1 mm	TC2 mm	PIPE2 mm	TC3 mm	PIPE3 mm	A mm	B mm	L mm	T C°	P bar
YE12-TC50-PTFE-1SO1	E12	50.00	25.00	-	-	-	61.50	58.50	98.50	-80 / 200	-1 / 6
YE12-TC50-PTFE-1SO2	E12	50.00	-	12.70x1.65	-	-	58.50	55.50	98.50	-80 / 200	-1 / 6
YE12-TC50-PTFE-1FT1	E12	50.00	25.00	-	25.00	-	61.50	58.50	98.50	-80 / 200	-1 / 6
YE12-TC50-PTFE-1FT2	E12	50.00	-	12.70x1.65	-	12.70x1.65	56.50	55.50	98.50	-80 / 200	-1 / 6
YE12-TC64-PTFE-1SO1	E12	64.00	25.00	-	-	-	61.50	58.50	98.50	-80 / 200	-1 / 6
YE12-TC64-PTFE-1SO2	E12	64.00	-	12.70x1.65	-	-	58.50	55.50	98.50	-80 / 200	-1 / 6
YE12-TC64-PTFE-1FT1	E12	64.00	25.00	-	25.00	-	61.50	58.50	98.50	-80 / 200	-1 / 6
YE12-TC64-PTFE-1FT2	E12	64.00	-	12.70x1.65	-	12.70x1.65	56.50	55.50	98.50	-80 / 200	-1 / 6
YE12-TC77-PTFE-1SO1	E12	77.50	25.00	-	-	-	61.50	58.50	98.50	-80 / 200	-1 / 6
YE12-TC77-PTFE-1SO2	E12	77.50	-	12.70x1.65	-	-	58.50	55.50	98.50	-80 / 200	-1 / 6
YE12-TC77-PTFE-1FT1	E12	77.50	25.00	-	25.00	-	61.50	58.50	98.50	-80 / 200	-1 / 6
YE12-TC77-PTFE-1FT2	E12	77.50	-	12.70x1.65	-	12.70x1.65	56.50	55.50	98.50	-80 / 200	-1 / 6
YE12-TC91-PTFE-1SO1	E12	91.00	25.00	-	-	-	61.50	58.50	98.50	-80 / 200	-1 / 6
YE12-TC91-PTFE-1SO2	E12	91.00	-	12.70x1.65	-	-	58.50	55.50	98.50	-80 / 200	-1 / 6
YE12-TC91-PTFE-1FT1	E12	91.00	25.00	-	25.00	-	61.50	58.50	98.50	-80 / 200	-1 / 6
YE12-TC91-PTFE-1FT2	E12	91.00	-	12.70x1.65	-	12.70x1.65	56.50	55.50	98.50	-80 / 200	-1 / 6

All dimensions are in mm - All data may change without prior notice

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RATTIINOX
ASEPTIC EQUIPMENT - DESIGN & SUPPLIER

CAD
CLEAN & ASEPTIC DESIGN

Body material: 1.4435-BN2 - Low Ferrite - Low Sulphur

Diaphragm material: PTFE USP Class VI – 121°C

Application Areas: SAFE

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)

External surface: Ra ≤ 0.8µm (32µin)

Surface Treatment: Manually polished (available also in EP version - Electropolishing after manual polishing)

Labeling: Each valve body is labeled for full LOT traceability

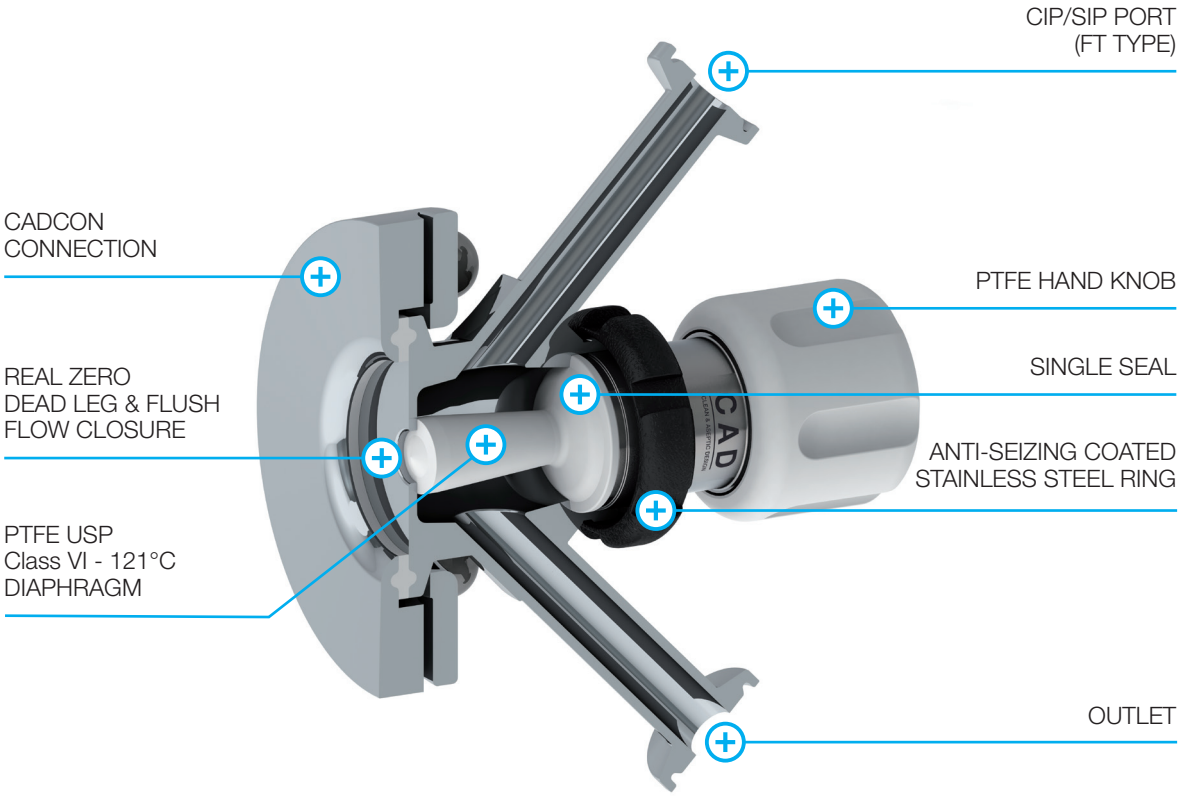
Packaging: Valve body is sealed in plastic bags and packaged in a closed box

Standard Documentation: 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.

Orders and Information: For additional information, drawings or place an order call your nearest distributor.

EXAMPLE OF VALVE ASSEMBLED ON CADCON CONNECTION



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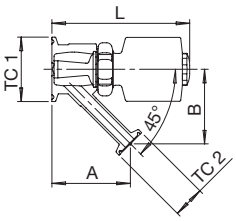
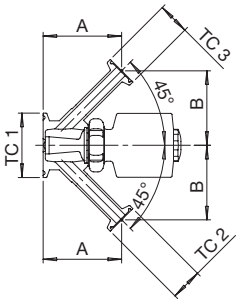
TECHNICAL INFORMATION _ **YE12-TC##-PTFE-2###**

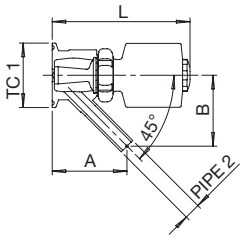
TCS PNEUMATIC



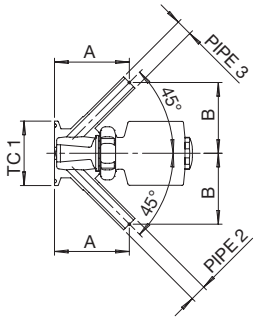
YE12-TC##-PTFE-2SO1
Valve with TC Outlet



YE12-TC##-PTFE-2FT1
Valve with TC Outlet & TC Inlet for CIP/SIP



YE12-TC##-PTFE-2SO2
Valve with BW Outlet



YE12-TC##-PTFE-2FT2
Valve with BW Outlet & BW Inlet for CIP/SIP

YE12-TC##-PTFE-2### - TRI-CLAMP EXTENDED SAMPLING VALVES WITH PNEUMATIC ACTUATORS AND DIAPHRAGMS are designed to take sample of fluids from the tank for most stringent applications such as bioreactors, fermenters and preparation tanks. The body shape and their internal design offer a very reliable component for Aseptic Processing Applications. They have a simple and safe design, with full drainability up to 5° of inclined installation, without asymptotic seals and dead legs, offering fast cleanability and sterilization practices. They are designed to fufill the most stringent demands of CIP-SIP and production activities in Aseptic Processing. Equipped with PTFE diaphragms acc. to USP Class VI-121°C, Pneumatic Actuators made from stainless steel. Tri-Clamp Extended Sampling Valves (TCS) are available for connections from 1" up to 3" in 2 different designs (Shut-Off and Flow-Through) and 2 different outlet configurations (1/2" Tri-Clamp and Butt-Weld). Adding upstream satellite valves (Steam, Water, Nitrogen, Air, etc...) and downstream additional valves (CIP Drain, SIP Condensate, etc...), a clean and sterile sampling can be achieved avoiding cross-contamination risk.

CODE	CAD Size	TC1 mm	TC2 mm	PIPE2 mm	TC3 mm	PIPE3 mm	A mm	B mm	L mm	T C°	P bar
YE12-TC50-PTFE-2SO1	E12	50.00	25.00	-	-	-	61.50	58.50	108.00	-80 / 200	-1 / 6
YE12-TC50-PTFE-2SO2	E12	50.00	-	12.70x1.65	-	-	58.50	55.50	108.00	-80 / 200	-1 / 6
YE12-TC50-PTFE-2FT1	E12	50.00	25.00	-	25.00	-	61.50	58.50	108.00	-80 / 200	-1 / 6
YE12-TC50-PTFE-2FT2	E12	50.00	-	12.70x1.65	-	12.70x1.65	56.50	55.50	108.00	-80 / 200	-1 / 6
YE12-TC64-PTFE-2SO1	E12	64.00	25.00	-	-	-	61.50	58.50	108.00	-80 / 200	-1 / 6
YE12-TC64-PTFE-2SO2	E12	64.00	-	12.70x1.65	-	-	58.50	55.50	108.00	-80 / 200	-1 / 6
YE12-TC64-PTFE-2FT1	E12	64.00	25.00	-	25.00	-	61.50	58.50	108.00	-80 / 200	-1 / 6
YE12-TC64-PTFE-2FT2	E12	64.00	-	12.70x1.65	-	12.70x1.65	56.50	55.50	108.00	-80 / 200	-1 / 6
YE12-TC77-PTFE-2SO1	E12	77.50	25.00	-	-	-	61.50	58.50	108.00	-80 / 200	-1 / 6
YE12-TC77-PTFE-2SO2	E12	77.50	-	12.70x1.65	-	-	58.50	55.50	108.00	-80 / 200	-1 / 6
YE12-TC77-PTFE-2FT1	E12	77.50	25.00	-	25.00	-	61.50	58.50	108.00	-80 / 200	-1 / 6
YE12-TC77-PTFE-2FT2	E12	77.50	-	12.70x1.65	-	12.70x1.65	56.50	55.50	108.00	-80 / 200	-1 / 6
YE12-TC91-PTFE-2SO1	E12	91.00	25.00	-	-	-	61.50	58.50	108.00	-80 / 200	-1 / 6
YE12-TC91-PTFE-2SO2	E12	91.00	-	12.70x1.65	-	-	58.50	55.50	108.00	-80 / 200	-1 / 6
YE12-TC91-PTFE-2FT1	E12	91.00	25.00	-	25.00	-	61.50	58.50	108.00	-80 / 200	-1 / 6
YE12-TC91-PTFE-2FT2	E12	91.00	-	12.70x1.65	-	12.70x1.65	56.50	55.50	108.00	-80 / 200	-1 / 6

All dimensions are in mm - All data may change without prior notice

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RATTIINOX
ASEPTIC EQUIPMENT - DESIGN & SUPPLIER

CAD
CLEAN & ASEPTIC DESIGN

Body material: 1.4435-BN2 - Low Ferrite - Low Sulphur

Diaphragm material: PTFE USP Class VI – 121°C

Application Areas: SAFE

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)

External surface: Ra ≤ 0.8µm (32µin)

Surface Treatment: Manually polished (available also in EP version - Electropolishing after manual polishing)

Labeling: Each valve body is labeled for full LOT traceability

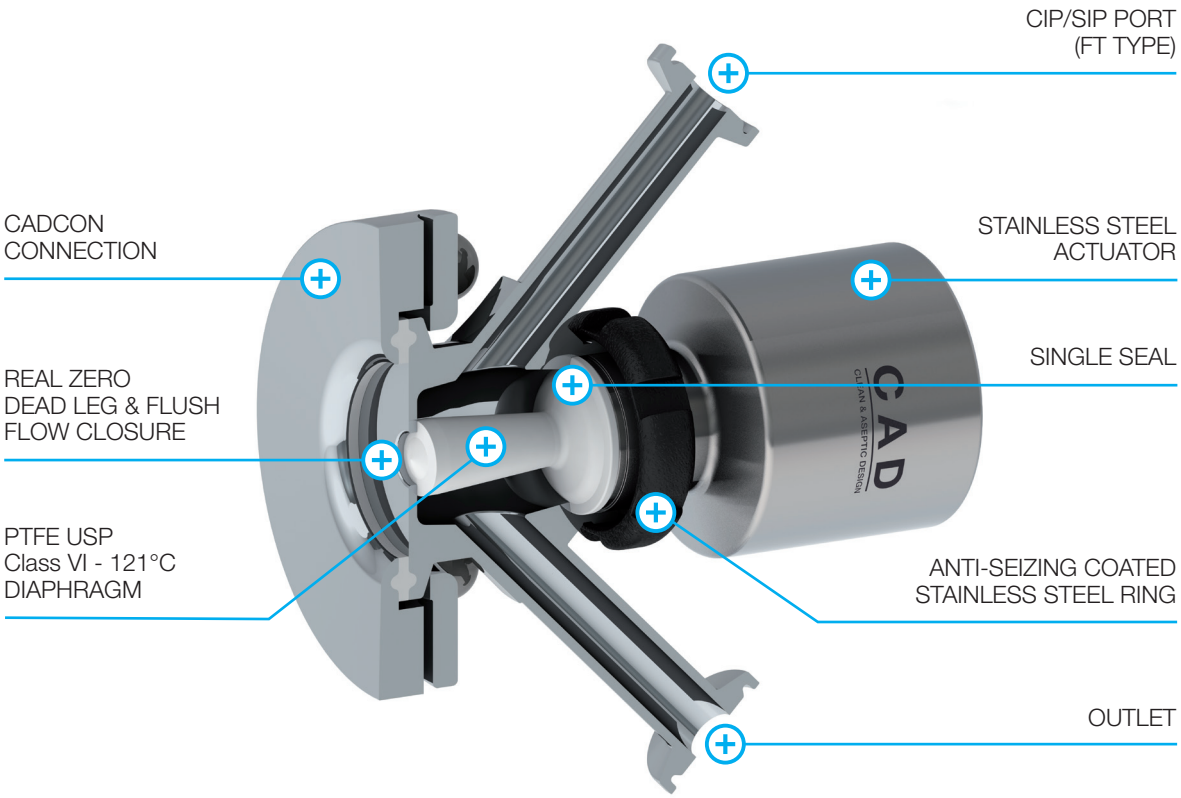
Packaging: Valve body is sealed in plastic bags and packaged in a closed box

Standard Documentation: 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.

Orders and Information: For additional information, drawings or place an order call your nearest distributor.

EXAMPLE OF VALVE ASSEMBLED ON CADCON CONNECTION



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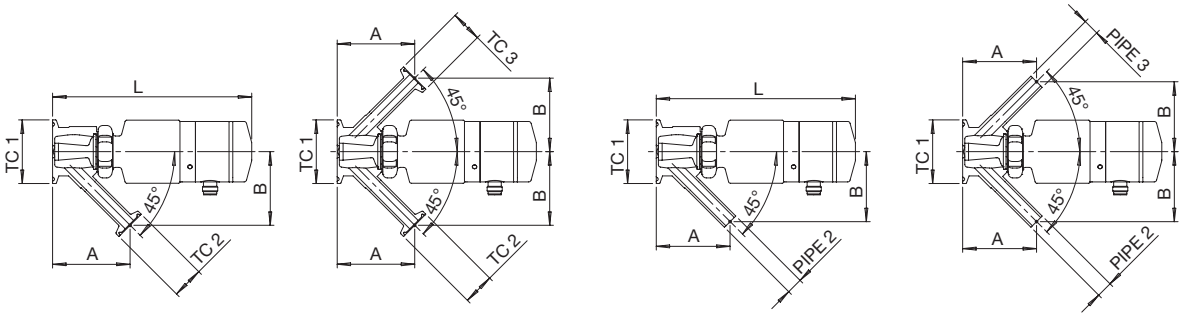
TECHNICAL INFORMATION _ **YE12-TC##-PTFE-3###**

TCS PNEUMATIC WITH SENSOR



YE12-TC##-PTFE-3SO1
Valve with TC Outlet

YE12-TC##-PTFE-3FT1
Valve with TC Outlet & TC Inlet for CIP/SIP

YE12-TC##-PTFE-3SO2
Valve with BW Outlet

YE12-TC##-PTFE-3FT2
Valve with BW Outlet & BW Inlet for CIP/SIP

YE12-TC##-PTFE-3### - TRI-CLAMP EXTENDED SAMPLING VALVES WITH PNEUMATIC ACTUATORS, PROGRAMMABLE DOUBLE POSITION SENSORS AND DIAPHRAGMS are designed to take sample of fluids from the tank for most stringent applications such as bioreactors, fermenters and preparation tanks. The body shape and their internal design offer a very reliable component for Aseptic Processing Applications. They have a simple and safe design, with full drainability up to 5° of inclined installation, without asymptotic seals and dead legs, offering fast cleanability and sterilization practices. They are designed to fufill the most stringent demands of CIP-SIP and production activities in Aseptic Processing. Equipped with PTFE diaphragms acc. to USP Class VI-121°C, Pneumatic Actuators and Programmable Double Position Sensors made from stainless steel. Tri-Clamp Extended Sampling Valves (TCS) are available for connections from 1" up to 3" in 2 different designs (Shut-Off and Flow-Through) and 2 different outlet configurations (1/2" Tri-Clamp and Butt-Weld). Adding upstream satellite valves (Steam, Water, Nitrogen, Air, etc...) and downstream additional valves (CIP Drain, SIP Condensate, etc...), a clean and sterile sampling can be achieved avoiding cross-contamination risk.

CODE	CAD Size	TC1 mm	TC2 mm	PIPE2 mm	TC3 mm	PIPE3 mm	A mm	B mm	L mm	T C°	P bar
YE12-TC50-PTFE-3SO1	E12	50.00	25.00	-	-	-	61.50	58.50	158.00	-80 / 200	-1 / 6
YE12-TC50-PTFE-3SO2	E12	50.00	-	12.70x1.65	-	-	58.50	55.50	158.00	-80 / 200	-1 / 6
YE12-TC50-PTFE-3FT1	E12	50.00	25.00	-	25.00	-	61.50	58.50	158.00	-80 / 200	-1 / 6
YE12-TC50-PTFE-3FT2	E12	50.00	-	12.70x1.65	-	12.70x1.65	56.50	55.50	158.00	-80 / 200	-1 / 6
YE12-TC64-PTFE-3SO1	E12	64.00	25.00	-	-	-	61.50	58.50	158.00	-80 / 200	-1 / 6
YE12-TC64-PTFE-3SO2	E12	64.00	-	12.70x1.65	-	-	58.50	55.50	158.00	-80 / 200	-1 / 6
YE12-TC64-PTFE-3FT1	E12	64.00	25.00	-	25.00	-	61.50	58.50	158.00	-80 / 200	-1 / 6
YE12-TC64-PTFE-3FT2	E12	64.00	-	12.70x1.65	-	12.70x1.65	56.50	55.50	158.00	-80 / 200	-1 / 6
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YE12-TC77-PTFE-3FT2	E12	77.50	-	12.70x1.65	-	12.70x1.65	56.50	55.50	158.00	-80 / 200	-1 / 6
YE12-TC91-PTFE-3SO1	E12	91.00	25.00	-	-	-	61.50	58.50	158.00	-80 / 200	-1 / 6
YE12-TC91-PTFE-3SO2	E12	91.00	-	12.70x1.65	-	-	58.50	55.50	158.00	-80 / 200	-1 / 6
YE12-TC91-PTFE-3FT1	E12	91.00	25.00	-	25.00	-	61.50	58.50	158.00	-80 / 200	-1 / 6
YE12-TC91-PTFE-3FT2	E12	91.00	-	12.70x1.65	-	12.70x1.65	56.50	55.50	158.00	-80 / 200	-1 / 6

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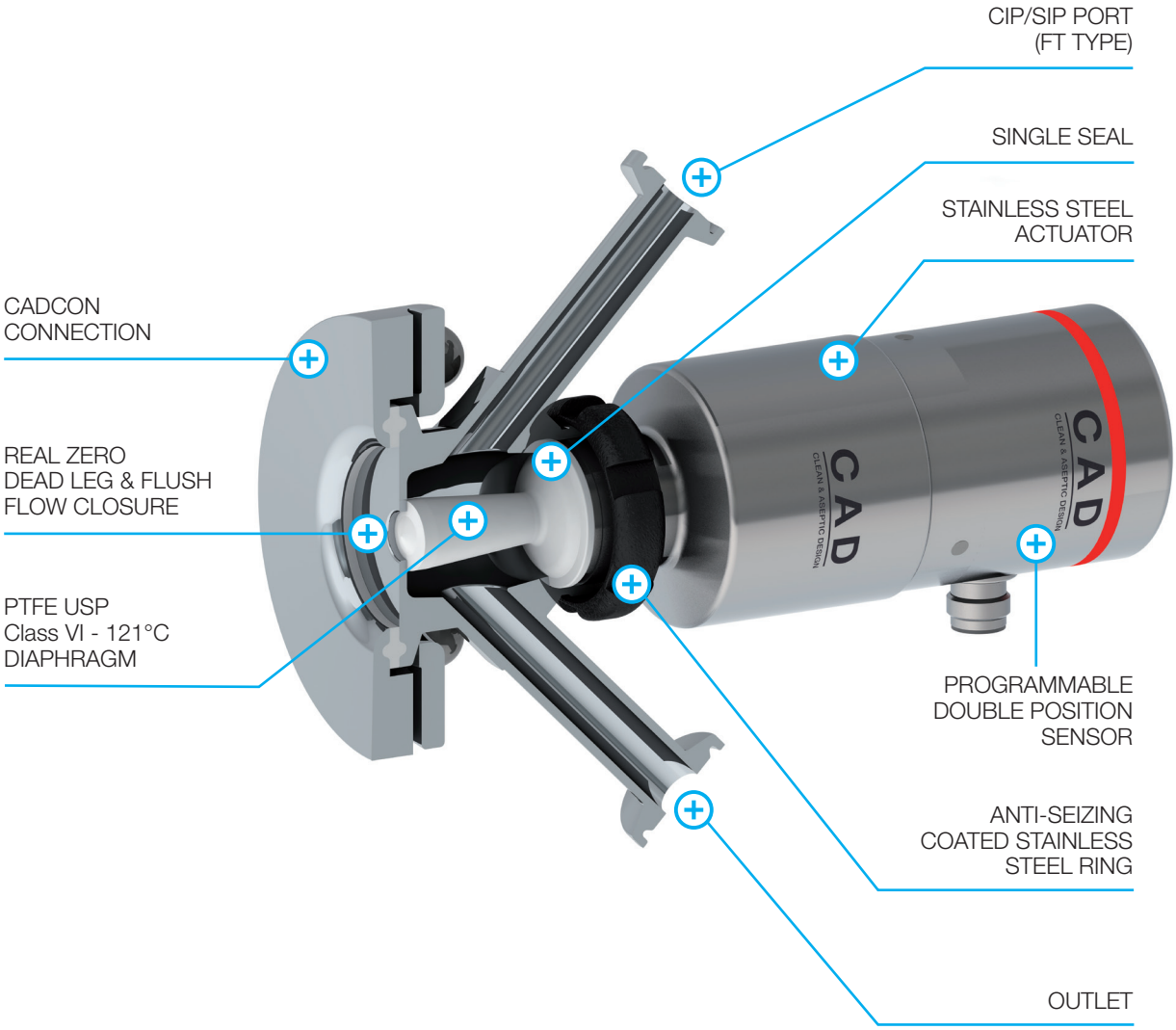

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