DIVERTING VALVES

E 005
Diverting Valve 180
Parallel Outlet

E 010
Diverting Valve 180
Parallel & Tang. Outlet

E 015
Diverting Valve 90
Opposite Outlet (Up-Right)

E 017
Diverting Valve 90
Opposite Outlet (Up-Left)

E 020
Diverting Valve 90
Opposite & Tang. Outlet
(Up-Right)

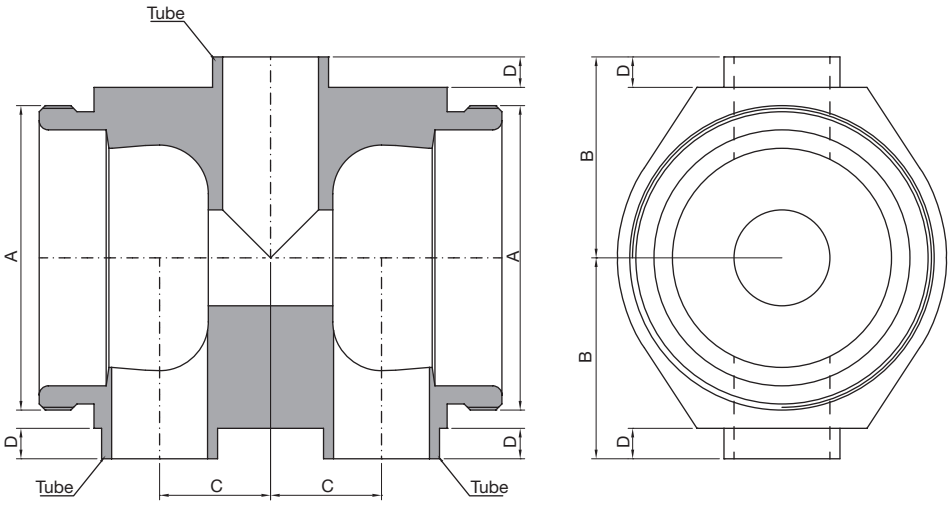
E 022
Diverting Valve 90
Opposite & Tang. Outlet
(Up-Left)

E 025
Diverting Valve 90
Parallel Outlet

E 030
Diverting Valve 90
Parallel & Tang. Outlet

TECHNICAL INFORMATION _ **CAT. N. YDVI SOCL SOCL A####**

DIVERTING VALVE 180
PARALLEL OUTLET



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.

Diverting Valve for SAFE areas is a body offering two opposite valves with zero dead leg designed for fluids or gases deviation. Two diverting valves connected from center pipe gives “block and bleed unit” with zero dead leg. 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)	TUBE* mm (inch)
YDVI-SOCL-SOCL-**A1212**	M34x1	26,00 (1,02)	12,50 (0,49)	5,00 (0,20)	12,70x1,65 (0,50x0,065)
YDVI-SOCL-SOCL-**A1919**	M50x1	33,00 (1,30)	17,50 (0,69)	5,00 (0,20)	19,05x1,65 (0,75x0,065)
YDVI-SOCL-SOCL-**A2525**	M70x1	47,00 (1,85)	24,50 (0,97)	5,00 (0,20)	25,40x1,65 (1,00x0,065)
YDVI-SOCL-SOCL-**A3838**	M80x1,5	60,00 (2,36)	39,00 (1,54)	21,00 (0,83)	38,10x1,65 (1,50x0,065)
YDVI-SOCL-SOCL-**A5050**	M103x1,5	75,00 (2,95)	51,00 (2,01)	24,00 (0,95)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

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VANNES ET ACCESSOIRES EN INOX

CAD
CLEAN & ASEPTIC DESIGN

SPECIFICATION:

CAD SIZE		A12	A19	A25	A38	A50		
NET VOLUME[1]	ml	2,86	10,23	32,14	86,89	208,58		

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

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

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

Application Areas: SAFE

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

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

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

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

Labeling: Each valve body is labeled for full LOT traceability

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

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

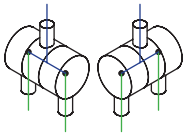
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

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

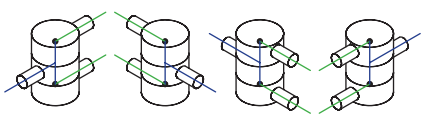
Options: For non-standard CAD Valve body Options, please contact us for further information.

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

Horizontal Assembly



Vertical Assembly



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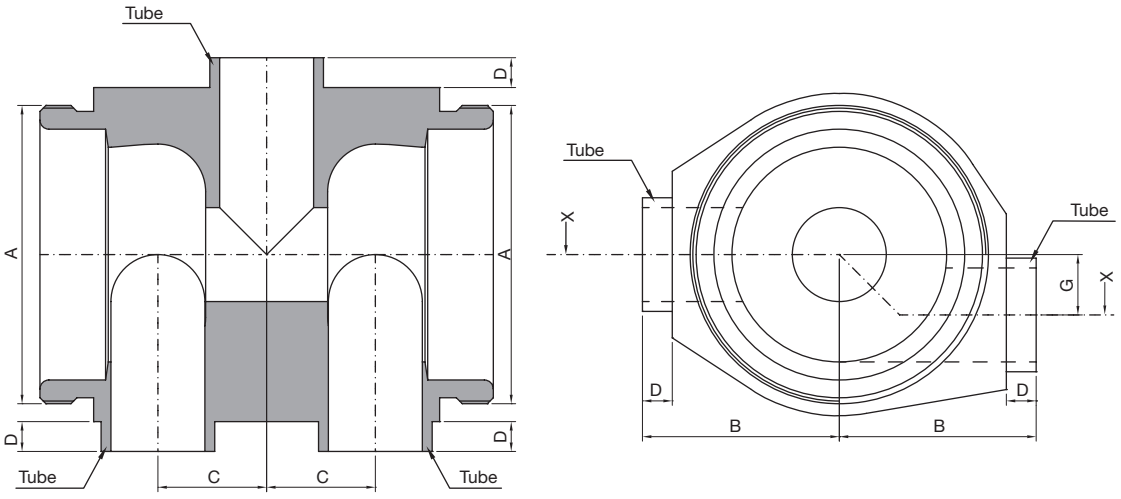
RATTIINOX
ASEPTIC EQUIPMENT - DESIGN & SUPPLIER

Version: 2014.04

TECHNICAL INFORMATION _ **CAT. N. YDPI SORL SOLL A####**

DIVERTING VALVE 180 PARALLEL & TANG. OUTLET



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Diverting Valve for SAFE areas is a body offering two opposite valves with zero dead leg designed for fluids or gases deviation. Two diverting valves connected from center pipe gives “block and bleed unit” with zero dead leg. 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)	**G** mm (inch)	**TUBE*** mm (inch)
YDPI-SORL-SOLL-**A1212**	M34x1	26,00 (1,02)	12,50 (0,49)	5,00 (0,20)	8,00 (0,32)	12,70x1,65 (0,50x0,065)
YDPI-SORL-SOLL-**A1919**	M50x1	33,00 (1,30)	17,50 (0,69)	5,00 (0,20)	11,00 (0,43)	19,05x1,65 (0,75x0,065)
YDPI-SORL-SOLL-**A2525**	M70x1	47,00 (1,85)	24,50 (0,97)	5,00 (0,20)	17,00 (0,67)	25,40x1,65 (1,00x0,065)
YDPI-SORL-SOLL-**A3838**	M80x1,5	60,00 (2,36)	39,00 (1,54)	21,00 (0,83)	19,00 (0,75)	38,10x1,65 (1,50x0,065)
YDPI-SORL-SOLL-**A5050**	M103x1,5	75,00 (2,95)	51,00 (2,01)	24,00 (0,95)	25,00 (0,98)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

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VANNES ET ACCESSOIRES EN INOX

CAD
CLEAN & ASEPTIC DESIGN

SPECIFICATION:

CAD SIZE		A12	A19	A25	A38	A50		
NET VOLUME[1]	ml	2,86	10,23	32,14	86,89	208,58		

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

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

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

Application Areas: SAFE

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

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

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

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

Labeling: Each valve body is labeled for full LOT traceability

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

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

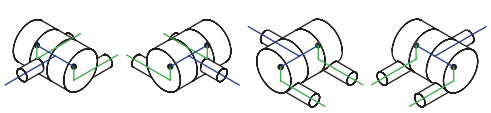
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

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

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

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

Horizontal Assembly



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Version: 2014.04

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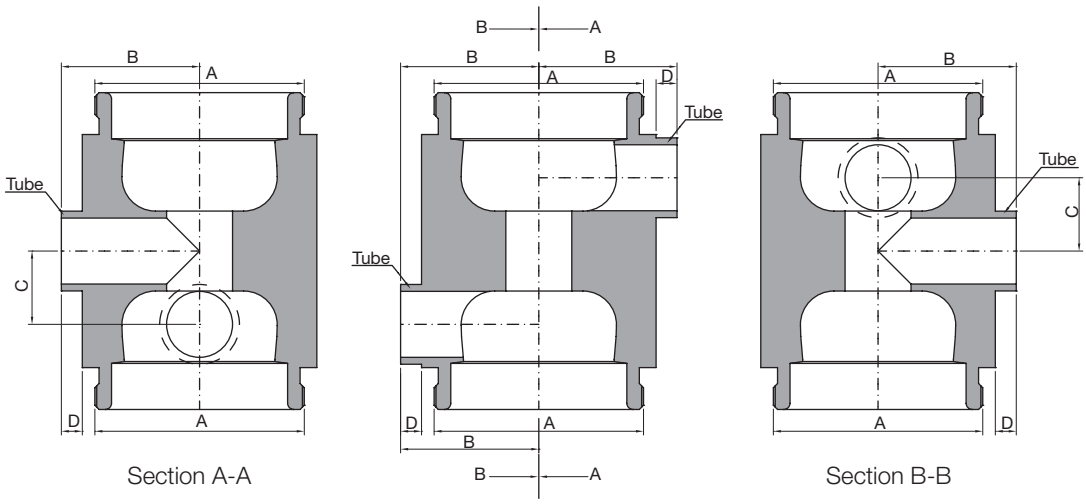
TECHNICAL INFORMATION _ **CAT. N. YDRL SOCL SOCL A####**

DIVERTING VALVE 90 OPPOSITE OUTLET (UP-RIGHT)



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CODE	A	**B** mm (inch)	**C** mm (inch)	**D** mm (inch)	**TUBE*** mm (inch)
YDRL-SOCL-SOCL-**A1212**	M34x1	26,00 (1,02)	12,50 (0,49)	5,00 (0,20)	12,70x1,65 (0,50x0,065)
YDRL-SOCL-SOCL-**A1919**	M50x1	33,00 (1,30)	17,50 (0,69)	5,00 (0,20)	19,05x1,65 (0,75x0,065)
YDRL-SOCL-SOCL-**A2525**	M70x1	47,00 (1,85)	24,50 (0,97)	5,00 (0,20)	25,40x1,65 (1,00x0,065)
YDRL-SOCL-SOCL-**A3838**	M80x1,5	60,00 (2,36)	39,00 (1,54)	21,00 (0,83)	38,10x1,65 (1,50x0,065)
YDRL-SOCL-SOCL-**A5050**	M103x1,5	75,00 (2,95)	51,00 (2,01)	24,00 (0,95)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

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VANNES ET ACCESSOIRES EN INOX

CAD
CLEAN & ASEPTIC DESIGN

SPECIFICATION:

CAD SIZE		A12	A19	A25	A38	A50		
NET VOLUME[1]	ml	2,86	10,23	32,14	86,89	208,58		

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

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

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

Application Areas: SAFE

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

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

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

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

Labeling: Each valve body is labeled for full LOT traceability

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

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

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

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

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

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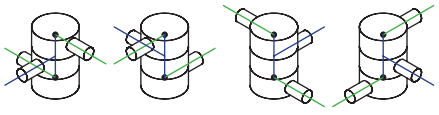
Vertical Assembly



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ASEPTIC EQUIPMENT - DESIGN & SUPPLIER

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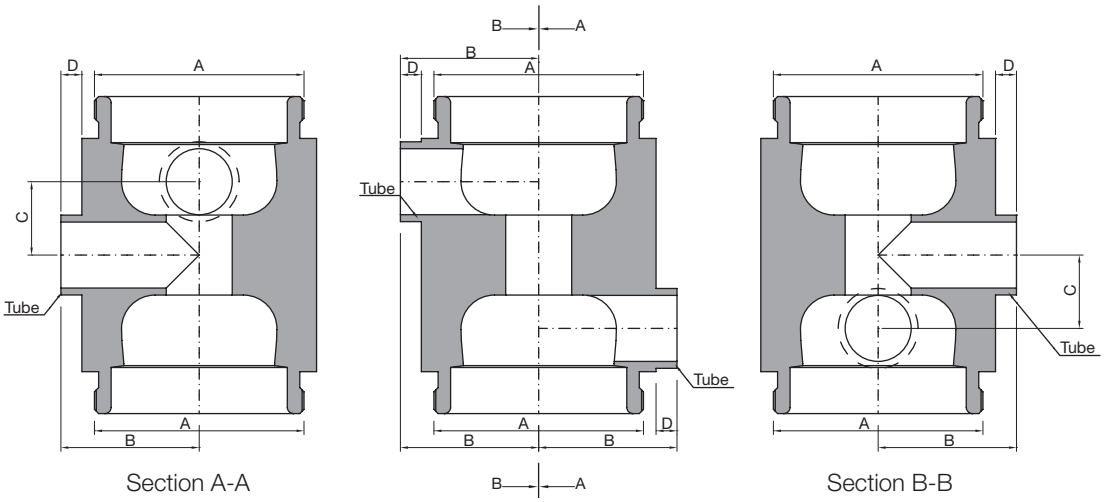
TECHNICAL INFORMATION _ **CAT. N. YDLL SOCL SOCL A####**

DIVERTING VALVE 90
OPPOSITE OUTLET (UP-LEFT)



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CODE	A	**B** mm (inch)	**C** mm (inch)	**D** mm (inch)	**TUBE*** mm (inch)
YDLL-SOCL-SOCL-**A1212**	M34x1	26,00 (1,02)	12,50 (0,49)	5,00 (0,20)	12,70x1,65 (0,50x0,065)
YDLL-SOCL-SOCL-**A1919**	M50x1	33,00 (1,30)	17,50 (0,69)	5,00 (0,20)	19,05x1,65 (0,75x0,065)
YDLL-SOCL-SOCL-**A2525**	M70x1	47,00 (1,85)	24,50 (0,97)	5,00 (0,20)	25,40x1,65 (1,00x0,065)
YDLL-SOCL-SOCL-**A3838**	M80x1,5	60,00 (2,36)	39,00 (1,54)	21,00 (0,83)	38,10x1,65 (1,50x0,065)
YDLL-SOCL-SOCL-**A5050**	M103x1,5	75,00 (2,95)	51,00 (2,01)	24,00 (0,95)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

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VANNES ET ACCESSOIRES EN INOX

CAD
CLEAN & ASEPTIC DESIGN

SPECIFICATION:

CAD SIZE		A12	A19	A25	A38	A50		
NET VOLUME[1]	ml	2,86	10,23	32,14	86,89	208,58		

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

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

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

Application Areas: SAFE

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

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

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

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

Labeling: Each valve body is labeled for full LOT traceability

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

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

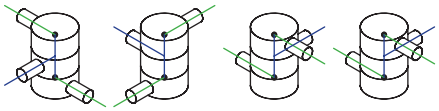
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

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

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

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

Vertical Assembly



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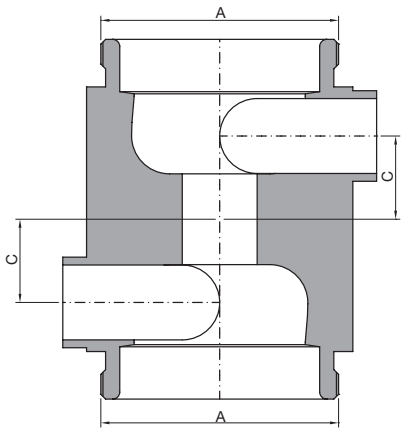
ASEPTIC EQUIPMENT - DESIGN & SUPPLIER

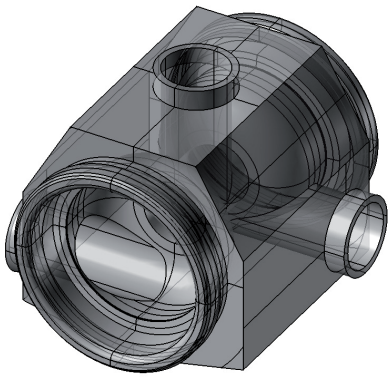
Version: 2014.04

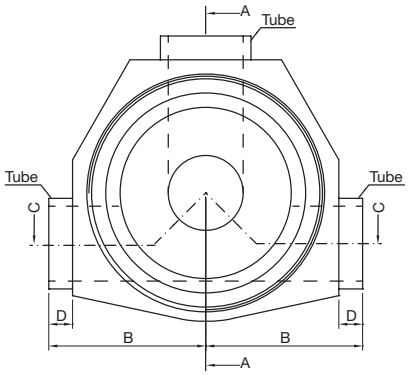
TECHNICAL INFORMATION _ **CAT. N. YDRL SOLL SOLL A####**

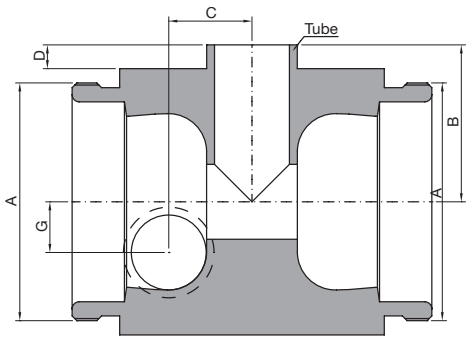
DIVERTING VALVE 90
OPPOSITE & TANG. OUTLET (UP-RIGHT)

Section C-C









Section A-A

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CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	G mm (inch)	TUBE* mm (inch)
YDRL-SOLL-SOLL-**A1212**	M34x1	26,00 (1,02)	12,50 (0,49)	5,00 (0,20)	8,00 (0,32)	12,70x1,65 (0,50x0,065)
YDRL-SOLL-SOLL-**A1919**	M50x1	33,00 (1,30)	17,50 (0,69)	5,00 (0,20)	11,00 (0,43)	19,05x1,65 (0,75x0,065)
YDRL-SOLL-SOLL-**A2525**	M70x1	47,00 (1,85)	24,50 (0,97)	5,00 (0,20)	17,00 (0,67)	25,40x1,65 (1,00x0,065)
YDRL-SOLL-SOLL-**A3838**	M80x1,5	60,00 (2,36)	39,00 (1,54)	21,00 (0,83)	19,00 (0,75)	38,10x1,65 (1,50x0,065)
YDRL-SOLL-SOLL-**A5050**	M103x1,5	75,00 (2,95)	51,00 (2,01)	24,00 (0,95)	25,00 (0,98)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

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VANNES ET ACCESSOIRES EN INOX

CAD
CLEAN & ASEPTIC DESIGN

SPECIFICATION:

CAD SIZE		A12	A19	A25	A38	A50		
NET VOLUME[1]	ml	2,86	10,23	32,14	86,89	208,58		

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

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

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

Application Areas: SAFE

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

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

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

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

Labeling: Each valve body is labeled for full LOT traceability

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

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

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

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

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

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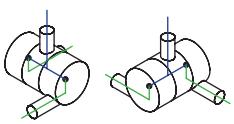
Horizontal Assembly



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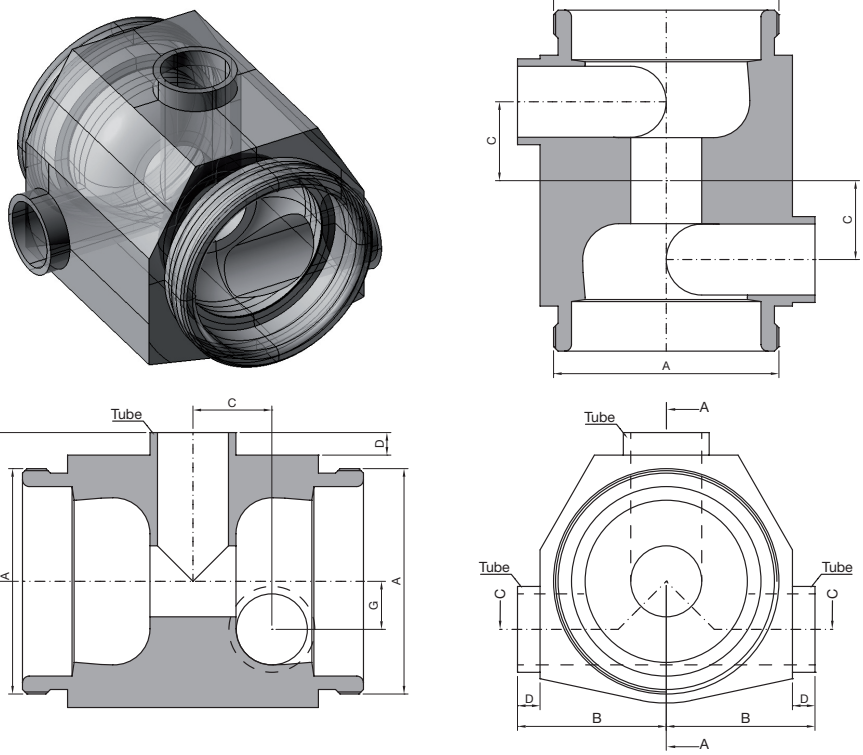
RATTIINOX
ASEPTIC EQUIPMENT - DESIGN & SUPPLIER

Version: 2014.04

TECHNICAL INFORMATION _ **CAT. N. YDLL SORL SORL A####**

DIVERTING VALVE 90
OPPOSITE & TANG. OUTLET (UP-LEFT)



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.

Diverting Valve for SAFE areas is a body offering two opposite valves with zero dead leg designed for fluids or gases deviation. Two diverting valves connected from center pipe gives “block and bleed unit” with zero dead leg. 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)	**G** mm (inch)	**TUBE*** mm (inch)
YDLL-SORL-SORL-**A1212**	M34x1	26,00 (1,02)	12,50 (0,49)	5,00 (0,20)	8,00 (0,32)	12,70x1,65 (0,50x0,065)
YDLL-SORL-SORL-**A1919**	M50x1	33,00 (1,30)	17,50 (0,69)	5,00 (0,20)	11,00 (0,43)	19,05x1,65 (0,75x0,065)
YDLL-SORL-SORL-**A2525**	M70x1	47,00 (1,85)	24,50 (0,97)	5,00 (0,20)	17,00 (0,67)	25,40x1,65 (1,00x0,065)
YDLL-SORL-SORL-**A3838**	M80x1,5	60,00 (2,36)	39,00 (1,54)	21,00 (0,83)	19,00 (0,75)	38,10x1,65 (1,50x0,065)
YDLL-SORL-SORL-**A5050**	M103x1,5	75,00 (2,95)	51,00 (2,01)	24,00 (0,95)	25,00 (0,98)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

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VANNES ET ACCESSOIRES EN INOX

CAD
CLEAN & ASEPTIC DESIGN

SPECIFICATION:

CAD SIZE		A12	A19	A25	A38	A50		
NET VOLUME[1]	ml	2,86	10,23	32,14	86,89	208,58		

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

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

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

Application Areas: SAFE

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

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

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

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

Labeling: Each valve body is labeled for full LOT traceability

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

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

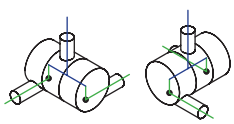
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

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

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

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

Horizontal Assembly



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ASEPTIC EQUIPMENT - DESIGN & SUPPLIER

Version: 2014.04

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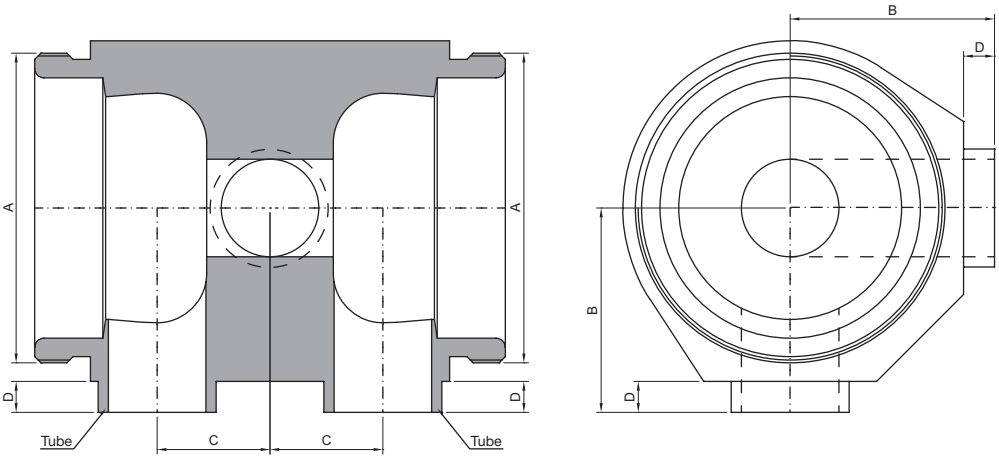
TECHNICAL INFORMATION _ **CAT. N. YDVL SOCL SOCL A####**

DIVERTING VALVE 90 PARALLEL OUTLET



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CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	TUBE* mm (inch)
YDVL-SOCL-SOCL-**A1212**	M34x1	26,00 (1,02)	12,50 (0,49)	5,00 (0,20)	12,70x1,65 (0,50x0,065)
YDVL-SOCL-SOCL-**A1919**	M50x1	33,00 (1,30)	17,50 (0,69)	5,00 (0,20)	19,05x1,65 (0,75x0,065)
YDVL-SOCL-SOCL-**A2525**	M70x1	47,00 (1,85)	24,50 (0,97)	5,00 (0,20)	25,40x1,65 (1,00x0,065)
YDVL-SOCL-SOCL-**A3838**	M80x1,5	60,00 (2,36)	39,00 (1,54)	21,00 (0,83)	38,10x1,65 (1,50x0,065)
YDVL-SOCL-SOCL-**A5050**	M103x1,5	75,00 (2,95)	51,00 (2,01)	24,00 (0,95)	50,80x1,65 (2,00x0,065)

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VANNES ET ACCESSOIRES EN INOX

CAD
CLEAN & ASEPTIC DESIGN

SPECIFICATION:

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NET VOLUME[1]	ml	2,86	10,23	32,14	86,89	208,58		

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

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

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

Application Areas: SAFE

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

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

Labeling: Each valve body is labeled for full LOT traceability

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

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

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

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

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

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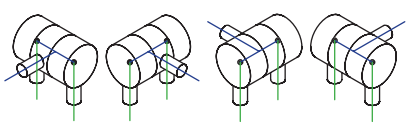
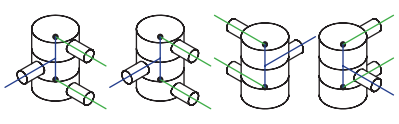
Horizontal Assembly



Vertical Assembly



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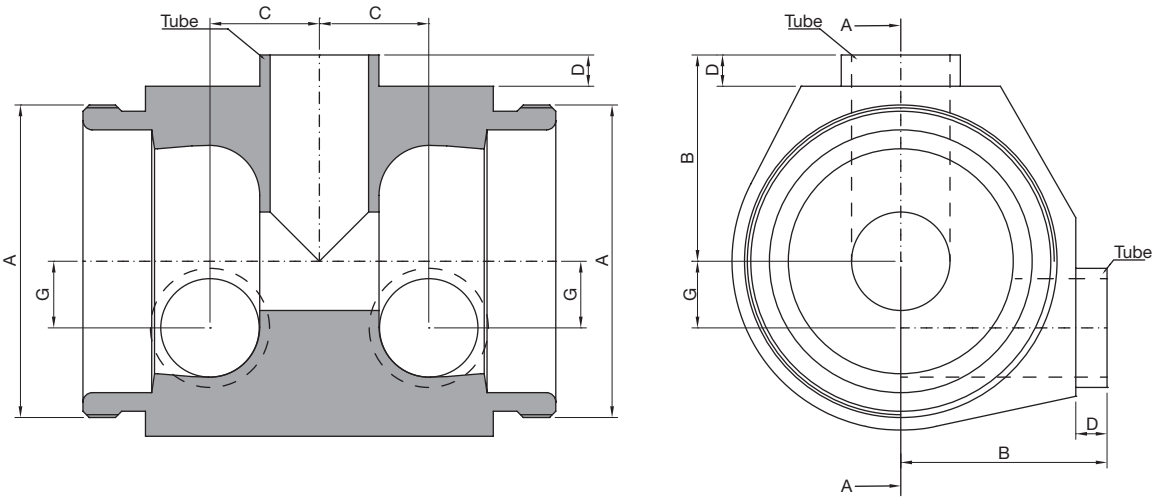
TECHNICAL INFORMATION _ **CAT. N. YDPL SORL SOLL A####**

DIVERTING VALVE 90
PARALLEL & TANG. OUTLET



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YDPL-SORL-SOLL-**A1919**	M50x1	33,00 (1,30)	17,50 (0,69)	5,00 (0,20)	11,00 (0,43)	19,05x1,65 (0,75x0,065)
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YDPL-SORL-SOLL-**A5050**	M103x1,5	75,00 (2,95)	51,00 (2,01)	24,00 (0,95)	25,00 (0,98)	50,80x1,65 (2,00x0,065)

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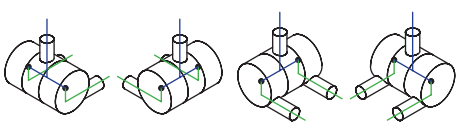

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