

# ART. 046

## ASEPTIC SAMPLING VALVES



## COMPACT ASEPTIC SAMPLING VALVES

**Characteristics:** Designed for sterile sampling of liquids on pharmaceutical products. Radial diaphragm with extremely compact design. Diaphragm closes at the inlet seat of the product port connection, eliminating the dead leg. Engineered for Aseptic and High Purity Applications. PTFE or Silicone and AISI 316 L without asymptotic seals. All versions are fully autoclavable. Removable handle available for valves equipped with SIP connection.

**Documentation:** Laser marking for traceability and validation processes. Material 3.1 certificates, FDA or USP, internal surface finishing check as standard.

1 HOSE BARB OUTLET



ART. 046/A  
P. 012

1 TRI-CLAMP OUTLET



ART. 046/B  
P. 013

1 HOSE BARB OUTLET  
+ 1 CIP HOSE BARB INLET



ART. 046/C  
P. 014

1 HOSE BARB OUTLET  
+ 1 CIP TRI-CLAMP INLET



ART. 046/D  
P. 015

1 TRI-CLAMP OUTLET  
+ 1 CIP TRI-CLAMP INLET



ART. 046/E  
P. 016



**ASTM A270 Tri-Clamp - Flange design according to ASME-BPE**

Size	Ø A	Ø C	Valve Material	Diaphragm Material	Code
1/2" - 3/4" *	25,00		1.4404	SILICONE FDA	<b>046A60050SIF</b>
				PTFE - USP 121	<b>046A60050PT121</b>
1"		50,50	1.4404	SILICONE FDA	<b>046A60100SIF</b>
				PTFE - USP 121	<b>046A60100PT121</b>
1.1/2"		50,50	1.4404	SILICONE FDA	<b>046A60150SIF</b>
				PTFE - USP 121	<b>046A60150PT121</b>

\* Special clamp included

Int. finishing: **Ra ≤ 0,4 µm**  
Ext. finishing: **Ra ≤ 0,8 µm Mirror Polished**

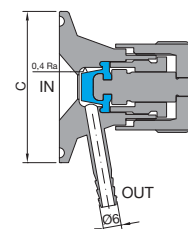
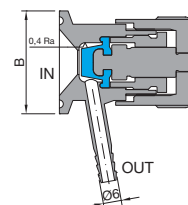
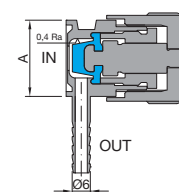
Max Working Conditions:  
**8 bar (120 psi) and 150°C (300°F)**

Gaskets:  
**FDA approved SILICONE**  
**or USP CLASS VI - 121° PTFE**

Installation:  
**Horizontal installation recommended**

**DIN 32676 Tri-Clamp**

Size	Ø B	Ø C	Valve Material	Diaphragm Material	Code
DN 10	34,00		1.4404	SILICONE FDA	<b>046A6D010SIF</b>
				PTFE - USP 121	<b>046A6D010PT121</b>
DN 15	34,00		1.4404	SILICONE FDA	<b>046A6D015SIF</b>
				PTFE - USP 121	<b>046A6D015PT121</b>
DN 20	34,00		1.4404	SILICONE FDA	<b>046A6D020SIF</b>
				PTFE - USP 121	<b>046A6D020PT121</b>
DN 25		50,50	1.4404	SILICONE FDA	<b>046A6D025SIF</b>
				PTFE - USP 121	<b>046A6D025PT121</b>
DN 32		50,50	1.4404	SILICONE FDA	<b>046A6D032SIF</b>
				PTFE - USP 121	<b>046A6D032PT121</b>
DN 40		50,50	1.4404	SILICONE FDA	<b>046A6D040SIF</b>
				PTFE - USP 121	<b>046A6D040PT121</b>



**ISO 1127 Tri-Clamp**

Size	Ø B	Ø C	Valve Material	Diaphragm Material	Code
DN 8	34,00		1.4404	SILICONE FDA	<b>046A6I008SIF</b>
				PTFE - USP 121	<b>046A6I008PT121</b>
DN 10	34,00		1.4404	SILICONE FDA	<b>046A6I010SIF</b>
				PTFE - USP 121	<b>046A6I010PT121</b>
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				PTFE - USP 121	<b>046A6I025PT121</b>
DN 32		50,50	1.4404	SILICONE FDA	<b>046A6I032SIF</b>
				PTFE - USP 121	<b>046A6I032PT121</b>

1 TRI-CLAMP OUTLET



ASTM A270 Tri-Clamp - Flange design according to ASME-BPE

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				PTFE - USP 121	<b>046B60100PT121</b>
1.1/2"		50,50	1.4404	SILICONE FDA	<b>046B60150SIF</b>
				PTFE - USP 121	<b>046B60150PT121</b>

\* Special clamp included

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Ext. finishing: **Ra ≤ 0,8 µm Mirror Polished**

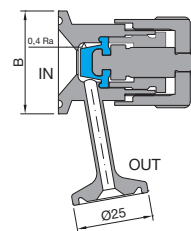
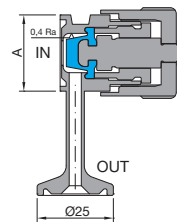
Max Working Conditions:  
**8 bar (120 psi) and 150°C (300°F)**

Gaskets:  
**FDA approved SILICONE**  
or **USP CLASS VI - 121° PTFE**

Installation:  
**Horizontal installation recommended**

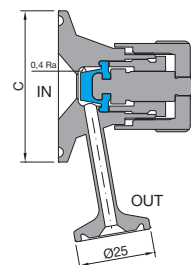
DIN 32676 Tri-Clamp

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DN 32		50,50	1.4404	SILICONE FDA	<b>046B6D032SIF</b>
				PTFE - USP 121	<b>046B6D032PT121</b>
DN 40		50,50	1.4404	SILICONE FDA	<b>046B6D040SIF</b>
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ISO 1127 Tri-Clamp

Size	Ø B	Ø C	Valve Material	Diaphragm Material	Code
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				PTFE - USP 121	<b>046B6I008PT121</b>
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				PTFE - USP 121	<b>046B6I025PT121</b>
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				PTFE - USP 121	<b>046B6I032PT121</b>





**ASTM A270 Tri-Clamp - Flange design according to ASME-BPE**

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				PTFE - USP 121	<b>046C60100PT121</b>
1.1/2"		50,50	1.4404	SILICONE FDA	<b>046C60150SIF</b>
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\* Special clamp included

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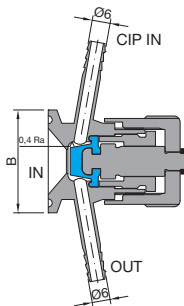
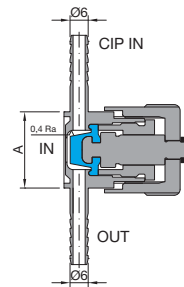
Max Working Conditions:  
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Gaskets:  
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Installation:  
**Horizontal installation recommended**

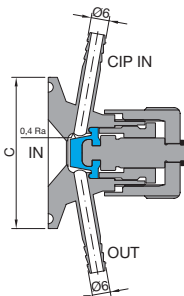
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**ISO 1127 Tri-Clamp**

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**ASTM A270 Tri-Clamp - Flange design according to ASME-BPE**

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**ISO 1127 Tri-Clamp**

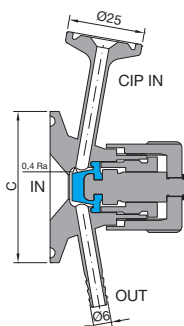
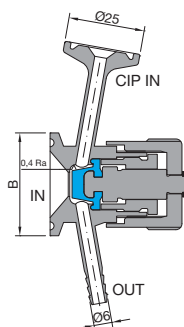
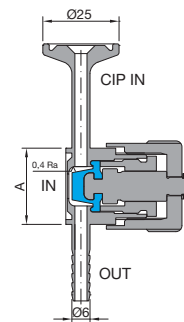
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Int. finishing: **Ra ≤ 0,4 µm**  
Ext. finishing: **Ra ≤ 0,8 µm Mirror Polished**

Max Working Conditions:  
**8 bar (120 psi) and 150°C (300°F)**

Gaskets:  
**FDA approved SILICONE**  
or **USP CLASS VI - 121° PTFE**

Installation:  
**Horizontal installation recommended**





**ASTM A270 Tri-Clamp - Flange design according to ASME-BPE**

Size	Ø A	Ø C	Valve Material	Diaphragm Material	Code
1"		50,50	1.4404	SILICONE FDA	<b>046E60100SIF</b>
				PTFE - USP 121	<b>046E60100PT121</b>
1.1/2"		50,50	1.4404	SILICONE FDA	<b>046E60150SIF</b>
				PTFE - USP 121	<b>046E60150PT121</b>

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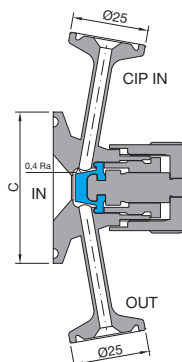
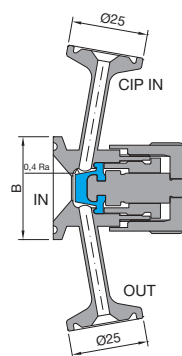
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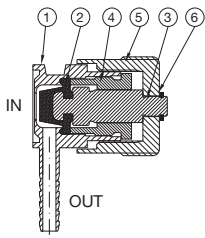
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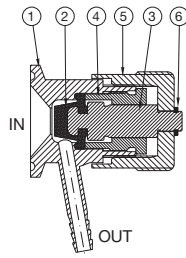


**ISO 1127 Tri-Clamp**

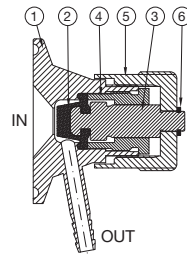
Size	Ø B	Ø C	Valve Material	Diaphragm Material	Code
DN 8	34,00		1.4404	SILICONE FDA	<b>046E6I008SIF</b>
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				PTFE - USP 121	<b>046E6I032PT121</b>



ASTM A270: Ø A 25



DIN / ISO: Ø B 34



ASTM A270 / DIN / ISO: Ø C 50,50

N°	Name	Material
1	Body	AISI 316L
2	Diaphragm	SILICONE FDA or PTFE
3	Piston	AISI 316L
4	Ring	AISI 316L
5	Handle	AISI 316L
6	Seeger	AISI 304

N°	Description	Valve size	Code
2	Diaphragm PTFE - USP 121° - n° 1 pcs	all sizes	<b>046ZXPT121002</b>
2	Diaphragm SILICONE FDA - n° 1 pcs	all sizes	<b>046ZXSIF002</b>
2+3	Diaphragm PTFE - USP 121° + Piston - n° 1 + 1 pcs	all sizes	<b>046ZX000023K2</b>
2+3	Diaphragm SILICONE FDA + Piston - n° 1 + 1 pcs	all sizes	<b>046ZX000023K1</b>
3	Piston for PTFE Diaphragm - n° 1 pcs	all sizes	<b>046Z6PT121003</b>
4	Ring - n° 1 pcs	all sizes	<b>046Z6000004</b>
5	Stainless Steel Handle - n° 1 pcs	all sizes	<b>046Z6000005</b>
6	Seeger - n° 10 pcs	all sizes	<b>SEEGERSV</b>
10	Piston for SILICONE Diaphragm - n° 1 pcs	all sizes	<b>046Z6SIF003</b>