

CF Weld Flange



- Pressure range: $1 \cdot 10^{-12}$ mbar to ambient pressure
- Custom lengths available upon request
- Bake out range is up to 450°C
- Materials:

Stainless Steel 304/1.4301

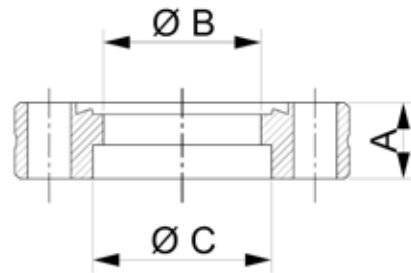
Stainless Steel 316L/1.4404

Stainless Steel 316LN ESR/1.4429

Stainless Steel 316LN ESR/1.4429 ESU features

- Ideal for constantly dismantled chamber ports
- Electro-slag Remelt (ESR) to improve grain homogeneity and remove gross macro segregation
- Lower magnetic permeability for applications sensitive to magnetic materials ($\mu \leq 1.005$ vs. 1.03 for 304L SS)
- Low desorption
- Bakeable under vacuum up to 1050 °C
- Pressure range: $1 \cdot 10^{-13}$ mbar to ambient pressure

Dimensions



Stainless Steel 304/1.4301

- Temperature range: -196 to 300 °C

Size (DN)	Tube Dimension (mm)	A (mm)	B (mm)	C (mm)	Order No
16	18x1	7.5	16	18.15	VC4FLI1SS016-18
16	19.05x1.65	7.5	15.75	19.2	VC4FLI1SS016-19
25	25.4x1.65	12	22.1	25.6	VC4FLI1SS025-25
25	28x2	12	24	28.2	VC4FLI1SS025-28
40	38x1.5	13	35	38.2	VC4FLI1SS040-38
40	40x1.5	13	37	40.2	VC4FLI1SS040-40
40	42.4x2	13	38.4	42.6	VC4FLI1SS040-42
40	44.5x2	13	40.5	44.7	VC4FLI1SS040-44
50	50.8x1.65	16.5	47.5	51.1	VC4FLI1SS050-50
63	63.5x1.65	17.5	60.2	63.8	VC4FLI1SS063-63
63	70x2	17.5	66	70.3	VC4FLI1SS063-70
75	76.1x2	18	72.1	76.4	VC4FLI1SS075-76
100	101.6x2.1	20	97.4	101.9	VC4FLI1SS100-101
100	104x2	20	100	104.3	VC4FLI1SS100-104
100	108x2	20	104	108.3	VC4FLI1SS100-108

Size (DN)	Tube Dimension (mm)	A (mm)	B (mm)	C (mm)	Order No
125	127x1.65	21.5	123.7	127.3	VC4FLI1SS125-127
160	152.4x2	21.5	147.6	152.7	VC4FLI1SS160-152
160	154x2	21.5	150	154.3	VC4FLI1SS160-154
160	159x2	21.5	155	159.3	VC4FLI1SS160-159
200	203.2x2.4	24.5	198.4	203.5	VC4FLI1SS200-203
200	204x2	24.5	200	204.3	VC4FLI1SS200-204
200	205x2.5	24.5	200	205.3	VC4FLI1SS200-205
250	254x2	24.5	250	254.3	VC4FLI1SS250-254
250	256x3	24.5	250	256.3	VC4FLI1SS250-256
300	306x3	28.5	300	306.3	VC4FLI1SS300-306
350	356x3	28.5	350	356.3	VC4FLI1SS350-356

Stainless Steel 316L/1.4404

- Temperature range: -196 to 350 °C

Size (DN)	Tube Dimension (mm)	A (mm)	B (mm)	C (mm)	Order No
16	18x1	7.5	16	18.15	VC4FLI2SS016-18
16	19.05x1.65	7.5	15.75	19.2	VC4FLI2SS016-19
25	25.4x1.65	12	22.1	25.6	VC4FLI2SS025-25
25	28x2	12	24	28.2	VC4FLI2SS025-28
40	38x1.5	13	35	38.2	VC4FLI2SS040-38
40	40x1.5	13	37	40.2	VC4FLI2SS040-40
40	42.4x2	13	38.4	42.6	VC4FLI2SS040-42
40	44.5x2	13	40.5	44.7	VC4FLI2SS040-44
50	50.8x1.65	16.5	47.5	51.1	VC4FLI2SS050-50
63	63.5x1.65	17.5	60.2	63.8	VC4FLI2SS063-63
63	70x2	17.5	66	70.3	VC4FLI2SS063-70
75	76.1x2	18	72.1	76.4	VC4FLI2SS075-76
100	101.6x2.1	20	97.4	101.9	VC4FLI2SS100-101
100	104x2	20	100	104.3	VC4FLI2SS100-104
100	108x2	20	104	108.3	VC4FLI2SS100-108
125	127x1.65	21.5	123.7	127.3	VC4FLI2SS125-127
160	152.4x2	21.5	147.6	152.7	VC4FLI2SS160-152
160	154x2	21.5	150	154.3	VC4FLI2SS160-154
160	159x2	21.5	155	159.3	VC4FLI2SS160-159
200	203.2x2.4	24.5	198.4	203.5	VC4FLI2SS200-203
200	204x2	24.5	200	204.3	VC4FLI2SS200-204
200	205x2.5	24.5	200	205.3	VC4FLI2SS200-205
250	254x2	24.5	250	254.3	VC4FLI2SS250-254
250	256x3	24.5	250	256.3	VC4FLI2SS250-256
300	306x3	28.5	300	306.3	VC4FLI2SS300-306
350	356x3	28.5	350	356.3	VC4FLI2SS350-356

Stainless Steel 316LN ESR/1.4 429 ESU

- Temperature range: -196 to 350 °C

Size (DN)	Tube Dimension (mm)	A (mm)	B (mm)	C (mm)	Order No
16	18x1	7.5	16	18.15	VC4FLI3SS016-18
16	19.05x1.65	7.5	15.75	19.2	VC4FLI3SS016-19
25	25.4x1.65	12	22.1	25.6	VC4FLI3SS025-25
25	28x2	12	24	28.2	VC4FLI3SS025-28
40	38x1.5	13	35	38.2	VC4FLI3SS040-38
40	40x1.5	13	37	40.2	VC4FLI3SS040-40
40	42.4x2	13	38.4	42.6	VC4FLI3SS040-42
40	44.5x2	13	40.5	44.7	VC4FLI3SS040-44
50	50.8x1.65	16.5	47.5	51.1	VC4FLI3SS050-50
63	63.5x1.65	17.5	60.2	63.8	VC4FLI3SS063-63
63	70x2	17.5	66	70.3	VC4FLI3SS063-70
75	76.1x2	18	72.1	76.4	VC4FLI3SS075-76
100	101.6x2.1	20	97.4	101.9	VC4FLI3SS100-101
100	104x2	20	100	104.3	VC4FLI3SS100-104
100	108x2	20	104	108.3	VC4FLI3SS100-108
125	127x1.65	21.5	123.7	127.3	VC4FLI3SS125-127
160	152.4x2	21.5	147.6	152.7	VC4FLI3SS160-152
160	154x2	21.5	150	154.3	VC4FLI3SS160-154
160	159x2	21.5	155	159.3	VC4FLI3SS160-159
200	203.2x2.4	24.5	198.4	203.5	VC4FLI3SS200-203
200	204x2	24.5	200	204.3	VC4FLI3SS200-204
200	205x2.5	24.5	200	205.3	VC4FLI3SS200-205
250	254x2	24.5	250	254.3	VC4FLI3SS250-254
250	256x3	24.5	250	256.3	VC4FLI3SS250-256
300	306x3	28.5	300	306.3	VC4FLI3SS300-306
350	356x3	28.5	350	356.3	VC4FLI3SS350-356