

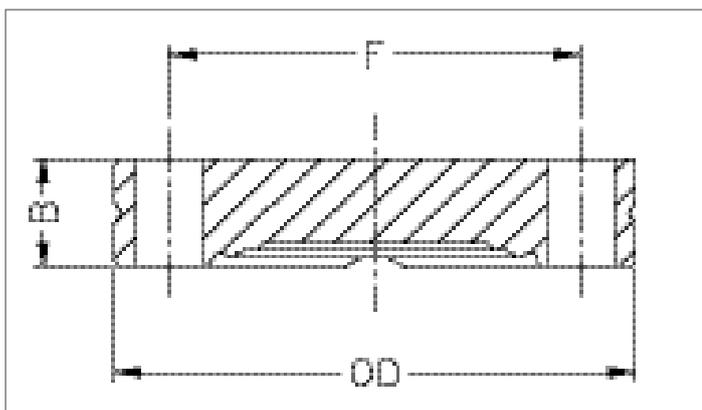


## Fixed Blank CF Flanges

Fixed blank Conflat flanges (CF) are available in the full range of sizes. Fixed blank flanges are used to blank off unused chamber ports for leak-tight assembly, also allowing machining for non standard tube sizes or components. VACGEN flanges are assembly or weld ready.



Fixed blank flanges are available in the full range of sizes as indicated in the chart below. They are normally used to blank off unused chamber ports to create a leak-tight assembly. It is also possible to machine them as required for the fixing of special tube sizes or components that are not covered by the standard range of sizes.



### Product Overview

- Made to international flange standards. Ensuring compatibility with existing flange dimensions
- Two materials available from stock, 304L and 316LN ESR (316LN ESR Tri forge on request)
- Controlled material hardness for Longer life
- High temperature range. Suitable for use from liquid nitrogen temperatures to 450°C. 316LN to 1050°C vacuum bake
- Wide pressure range 1 bar to  $10^{-12}$  mbar.
- Low outgassing rates  $<1^{-13}$  mbar.ls<sup>-1</sup>.cm<sup>-2</sup>
- Controlled alloy, controlled detection of inclusion and additives
- Very low magnetic permeability,  $\mu=1.005$  for 316LN ESR material
- Also suitable for use in high magnetic field applications
- Harder material (added N<sub>2</sub>) prolongs lifetime of knife edge and allows H<sub>2</sub> degassing
- Low carbon content reduces possibility of corrosion and chromium migration at welds
- Capable of vacuum firing for removal of H<sub>2</sub>
- Guarantee of inclusion content
- Full material traceability available



## Fixed Blank CF Flanges

304L Fixed Blank CF Flanges								
DN Number	OD mm	Mounting holes	Flange Thickness mm B	Bolt Hole PCD mm F	Bolt Hole Diameter (or thread)	No. Of Bolt Holes	Previous VG Code	Order Code
DN16	34	Clear	7.6	27	4.3	6	ZFC90	CF34
DN16	34	Tapped	7.6	27	(M4)	6	ZFC90T	CF34T
DN40	70	Clear	13	58.7	6.8	6	ZFC2	CF70
DN40	70	Tapped	13	58.7	(M6)	6	ZFC2T	CF70T
DN63	114	Clear	17.5	92.1	8.4	8	ZFC4	CF114
DN63	114	Tapped	17.5	92.1	(M8)	8	ZFC4T	CF114T
DN100	152	Clear	20	130.2	8.4	16	ZFC6	CF152
DN100	152	Tapped	20	130.2	(M8)	16	ZFC6T	CF152T
DN160	203	Clear	22	181.2	8.4	20	ZFC8	CF203
DN160	203	Tapped	22	181.2	(M8)	20	ZFC8T	CF203T
DN200	254	Clear	24.5	231.8	8.4	24	ZFC10	CF254
DN200	254	Tapped	24.5	231.8	(M8)	24	ZFC10T	CF254T

Air side face has a 0.5mm recess as standard

316 LN (2D Forged) Fixed Blank CF Flanges							
DN Number	OD mm	Mounting holes	Flange Thickness mm B	Bolt Hole PCD mm F	Bolt Hole Diameter (or thread)	No. Of Bolt Holes	Order Code 316LN
DN16	34	Clear	7.6	27	4.3	6	CF34-LN
DN16	34	Tapped	7.6	27	(M4)	6	CF34T-LN
DN40	70	Clear	13	58.7	6.8	6	CF70-LN
DN40	70	Tapped	13	58.7	(M6)	6	CF70T-LN
DN63	114	Clear	17.5	92.1	8.4	8	CF114-LN
DN63	114	Tapped	17.5	92.1	(M8)	8	CF114T-LN
DN100	152	Clear	20	130.2	8.4	16	CF152-LN
DN100	152	Tapped	20	130.2	(M8)	16	CF152T-LN
DN160	203	Clear	22	181.2	8.4	20	CF203-LN
DN160	203	Tapped	22	181.2	(M8)	20	CF203T-LN
DN200	254	Clear	24.5	231.8	8.4	24	CF254-LN
DN200	254	Tapped	24.5	231.8	(M8)	24	CF254T-LN

Air side face has a 0.5mm recess as standard