

Hybrid Adapters

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Hybrid Adapters



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Hybrid ADAPTERS



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Hybrid Adapters Introduction



TECH TIP

ISO-QF and ISO-LF look different, but are in fact part of the same vacuum flange family. Thus QF to LF reducer fittings are listed in the ISO section of the catalog.

Overview

ANCORP hybrid adapter fittings allow vacuum users to connect two dissimilar vacuum flanges or a vacuum flange to a fitting used in conjunction with vacuum process (Swagelok®, VCR®, NPT).

To minimize the effect this transition fitting has on conductance, hybrid adapters are designed with the shortest length and with the largest inner diameter possible.

Please note that hybrid adapters are not used to change sizes within one flange family. Fittings used to connect two differently sized flanges from within the same vacuum flange family are called reducer fittings. These fittings can be found in the catalog section for that specific flange family.

Specifications:

- **Vacuum Rating:**
 - UHV hybrid adapters: CF to Swagelok® or CF to VCR®
 - HV hybrid adapters: All flanges and fittings that include an elastomer seal
- **Leak Rating:** < 1x10⁻⁹ std. cc/s helium
- **Temperature Range:**
 - Metal seal flanges and fittings: -200°C up to 450°C
 - Elastomer seal flanges and fittings -26°C up to 205°C
- **Materials:**
 - Flanges and fittings: 304 stainless steel and aluminum
 - Flange seals: see the catalog section for that specific flange for its sealing options
 - Fitting seals: Viton® or Buna (Swagelok® and VCR® seals are not included with the assembly)

Features:

- Adapt from one family of vacuum flanges or fittings to another
- Allows connection of vacuum flanges to non-vacuum fittings.
- Wide variety of design options to meet your application needs.

Flange to Flange

These fittings allow transitions between two dissimilar flange families - for example a CF flange to an ISO-QF. Common uses for these fittings include retro-fitting an existing vacuum system or adding gauges and instrumentation.

Flange to Fitting

These fittings allow transitions between standard vacuum flanges and a variety of specialty fittings employed in a vacuum system. An example of this is a QF flange to VCR® fitting. Common uses for these fittings include the introduction of process gasses into a chamber or the addition of gauges or instrumentation.

CF to QF Adapter

Materials:

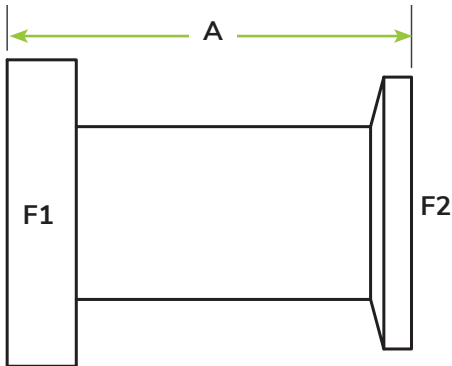
- 304 stainless steel

Product Notes:

- Adapts from CF to ISO-QF flanges

Options: Call for price and availability

- Custom flange combinations and additional sizes
- Tee, cross and elbow adapters



PART #	REFERENCE ID	FLANGE 1 TUBE O.D. (IN)	FLANGE 2 TUBE O.D. (IN)	A (in)	TUBE O.D. (in)
5000678	CF133XQF16-075-N-1.75	1.33	1.180	1.75	0.75
5000679	CF275XQF16-075-N-1.78	2.72	1.180	1.78	0.75
5000680	CF212XQF25-100-N-1.75	2.12	1.575	1.75	1.00
5000681	CF275XQF25-100-N-1.78	2.72	1.575	1.78	1.00
5000682	CF275XQF40-150-N-1.78	2.72	2.165	1.78	1.50
5000683	CF338XQF40-150-N-1.80	3.38	2.165	1.80	1.50
5000684	CF133XQF50-075-N-1.95	1.33	2.953	1.95	0.75
5000685	CF275XQF50-150-N-1.95	2.72	2.953	1.95	1.50
5000686	CF338XQF50-200-N-1.80	3.38	2.953	1.80	2.00

ORDERING NOTE: Tee, cross and elbow hybrid adapters are also available - contact the sales department for a quote

CF to QF Conical Adapter

Materials:

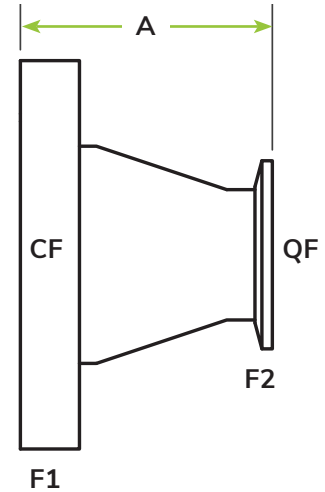
- 304 stainless steel

Product Notes:

- Adapts from CF to ISO-QF flanges for different tubing diameters.

Options: Call for price and delivery

- Custom flange combinations and additional sizes
- Tee, cross and elbow adapters



CF to QF

PART #	REFERENCE ID	FLANGE 1 TYPE	FLANGE 1 TUBE O.D. (in)	FLANGE 2 TYPE	FLANGE 2 TUBE O.D. (in)	A (in)
5000691	CF212XQF16-100X075-CR-1.69	CF212	1.00	QF16	0.75	1.69
5000694	CF275XQF16-150X075-CR-2.73	CF275	1.50	QF16	0.75	2.73
5000695	CF275XQF25-150X100-CR-2.73	CF275	1.50	QF25	1.00	2.73
5000697	CF338XQF25-200X100-CR-2.75	CF338	2.00	QF25	1.00	2.75
5000698	CF338XQF40-200X150-CR-2.75	CF338	2.00	QF40	1.50	2.75
5000699	CF450XQF40-250X150-CR-2.90	CF450	2.50	QF40	1.50	2.90
5000700	CF450XQF50-250X200-CR-2.90	CF450	2.50	QF50	2.00	2.90
5000701	CF462XQF40-300X150-CR-4.15	CF462	3.00	QF40	1.50	4.15
5000702	CF462XQF50-300X200-CR-4.15	CF462	3.00	QF50	2.00	4.15
5000703	CF600XQF50-400X200-CR-4.21	CF600	4.00	QF50	2.00	4.21

QF to CF Conical Adapter

Materials:

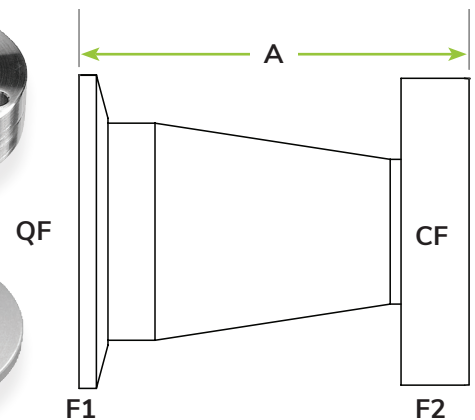
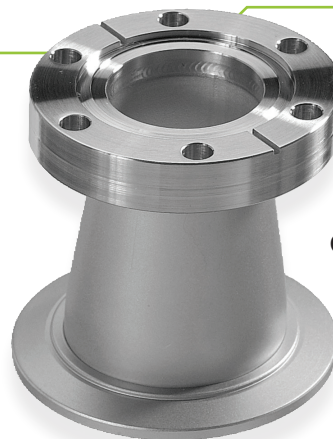
- 304 stainless steel

Product Notes:

- Adapts from ISO-QF to CF flanges for different tubing diameters.

Options: Call for price and delivery

- Custom flange combinations and additional sizes
- Tee, cross and elbow adapters



QF to CF

PART #	REFERENCE ID	FLANGE 1 TYPE	FLANGE 1 TUBE O.D. (in)	FLANGE 2 TYPE	FLANGE 2 TUBE O.D. (in)	A (in)
5000689	QF25XCF133-100X075-CR-2.03	QF25	1.00	CF133	0.75	2.03
5000690	QF40XCF133-150X075-CR-3.03	QF40	1.50	CF133	0.75	3.03
5000692	QF40XCF212-150X100-CR-2.70	QF40	1.50	CF212	1.00	2.70
5000693	QF50XCF212-200X100-CR-2.69	QF50	2.00	CF212	1.00	2.69
5000696	QF50XCF275-200X150-CR-2.73	QF50	2.00	CF275	1.50	2.73

CF to LF Adapter

Materials:

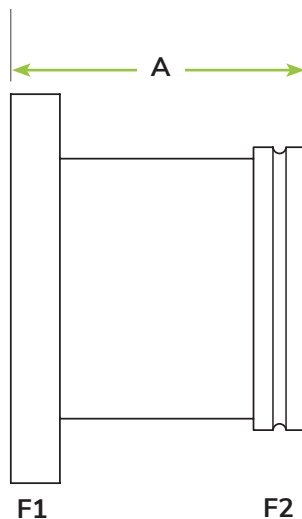
- 304 stainless steel

Product Notes:

- Adapts from CF to ISO-LF flanges for the same tubing diameter.

Options: Call for price and delivery

- Custom flange combinations and additional sizes
- Tee, cross and elbow adapter



PART #	REFERENCE ID	FLANGE 1 TYPE	FLANGE 2 TYPE	A (in)	TUBE O.D. (in)
5000704	CF450XLF63-250-N-4.33	CF450	LF63	4.33	2.50
5000705	CF462XLF80-300-N-4.33	CF462	LF80	4.33	3.00
5000706	CF600XLF80-300-N-4.33	CF600	LF80	4.33	3.00
5000707	CF600XLF100-400-N-4.37	CF600	LF100	4.37	4.00
5000708	CF800XLF160-600-N-4.45	CF800	LF160	4.45	6.00
5000709	CF1000XLF200-800-N-4.45	CF1000	LF200	4.45	8.00



What advantage does a conical reducer offer compared to a similarly flanged straight reducer?

The answer is simple:

CONDUCTANCE!

Over the same length, a conical reducer has a larger mean diameter than a straight reducer with the same flange terminations. As illustrated by the equation for conductance (C) below, diameter (D) has a third-order effect on conductance. So, if you want to increase conductance, increasing diameter is the best place to start! Reducing length (L) helps as well, but length only has a first-order effect on conductance.

Eliminating bends in a system is another way to optimize conductance. When it comes to designing a system for optimal conductance, it helps to remember these three characteristics: Fat, Short, and Straight!

CF to LF Conical Adapter

Materials:

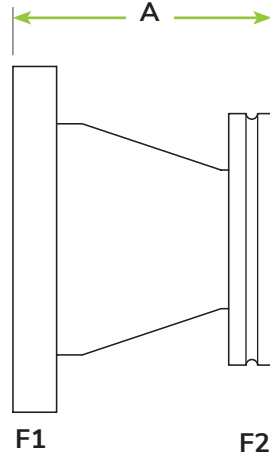
- 304 stainless steel

Product Notes:

- Adapts from CF to ISO-LF flanges for the same tubing diameter.

Options: Call for price and delivery

- Custom flange combinations and additional sizes
- Tee, cross and elbow adapter



CF to LF

PART #	REFERENCE ID	FLANGE 1 TYPE	FLANGE 1 TUBE O.D. (in)	FLANGE 2 TYPE	FLANGE 2 TUBE O.D. (in)	A (in)	B.H.C. (in)
5000717	CF462XLF63-300X250-CR-4.25	CF462	3.00	LF63	2.50	4.250	4.030
5000719	CF600XLF63-400X250-CR-4.31	CF600	4.00	LF63	2.50	4.313	5.128
5000720	CF600XLF80-400X300-CR-4.31	CF600	4.00	LF80	3.00	4.313	5.128

LF to CF Conical Adapter

Materials:

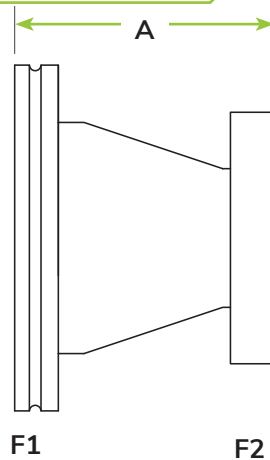
- 304 stainless steel

Product Notes:

- Adapts from ISO-CF to LF flanges for the same tubing diameter.

Options: Call for price and delivery

- Custom flange combinations and additional sizes
- Tee, cross and elbow adapter



LF to CF

PART #	REFERENCE ID	FLANGE 1 TYPE	FLANGE 1 TUBE O.D. (in)	FLANGE 2 TYPE	FLANGE 2 TUBE O.D. (in)	A (in)	B.H.C. (in)
5000710	LF63XCF275-250X150-CR-2.83	LF63	2.50	CF275	1.50	2.83	2.312
5000711	LF80XCF275-300X150-CR-4.08	LF80	3.00	CF275	1.50	4.08	2.312
5000712	LF63XCF338-250X200-CR-2.85	LF63	2.50	CF338	2.00	2.85	2.850
5000713	LF80XCF338-300X200-CR-4.10	LF80	3.00	CF338	2.00	4.10	2.850
5000714	LF100XCF338-400X200-CR-4.10	LF100	4.00	CF338	2.00	4.10	2.850
5000715	LF80XCF450-300X250-CR-4.25	LF80	3.00	CF450	2.50	4.25	3.628
5000716	LF100XCF450-400X250-CR-4.25	LF100	4.00	CF450	2.50	4.25	3.628
5000718	LF100XCF462-400X300-CR-4.25	LF100	4.00	CF462	3.00	4.25	4.030

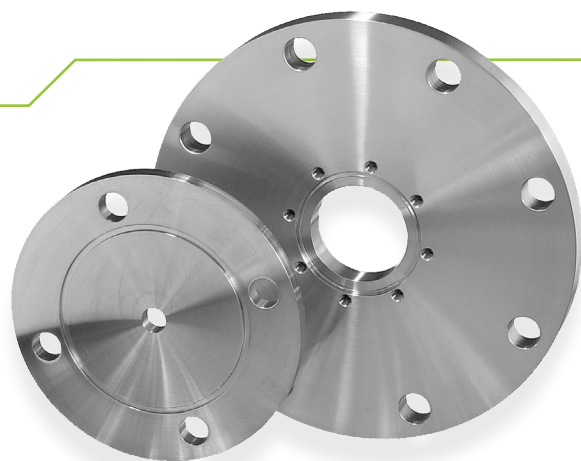
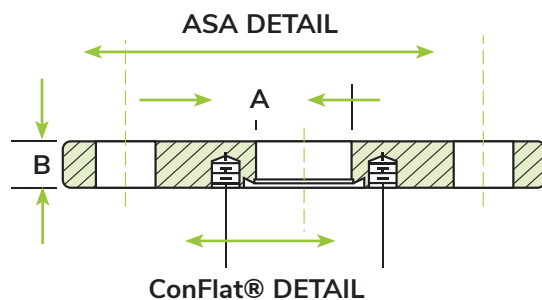
CF to ASA/ANSI Zero Length Reducer Flange

Product Notes:

- Adapts from CF to ASA/ANSI flanges with minimal impact on system space.

Materials:

- 304 stainless steel



Options: Call for price and delivery

- Custom flange combinations and additional sizes
- Order ASA/ANSI flanges with or without sealing groove

PART #	REFERENCE ID	CONFLAT DETAIL	ASA DETAIL	A (in)	B (in)	ASA B.H.C. (in)
5000721	CF133BTXASA100-063-ZLR-0.50	CF133BT	ASA100	0.625	0.50	3.125
5000723	CF212BTXASA100-100-ZLR-0.50	CF212BT	ASA100	1.00	0.50	3.125
5000725	CF133BTXASA150-063-ZLR-0.50	CF133BT	ASA150	0.625	0.50	3.880
5000727	CF212BTXASA150-100-ZLR-0.50	CF212BT	ASA150	1.00	0.50	3.880
5000729	CF275BTXASA150-150-ZLR-0.50	CF275BT	ASA150	1.50	0.50	3.880
5000731	CF133BTXASA200-063-ZLR-0.50	CF133BT	ASA200	0.625	0.50	4.750
5000733	CF212BTXASA200-100-ZLR-0.50	CF212BT	ASA200	1.00	0.50	4.750
5000735	CF275BTXASA200-150-ZLR-0.50	CF275BT	ASA200	1.50	0.50	4.750
5000737	CF338BTXASA200-200-ZLR-0.50	CF338BT	ASA200	2.00	0.50	4.750
5000739	CF133BTXASA300-063-ZLR-0.50	CF133BT	ASA300	0.625	0.50	6.000
5000741	CF212BTXASA300-100-ZLR-0.50	CF212BT	ASA300	1.00	0.50	6.000
5000743	CF275BTXASA300-150-ZLR-0.50	CF275BT	ASA300	1.50	0.50	6.000
5000745	CF338BTXASA300-200-ZLR-0.50	CF338BT	ASA300	2.00	0.50	6.000
5000747	CF450BTXASA300-250-ZLR-0.50	CF450BT	ASA300	2.50	0.50	6.000
5000749	CF133BTXASA400-063-ZLR-0.50	CF133BT	ASA400	0.625	0.50	7.500
5000751	CF212BTXASA400-100-ZLR-0.50	CF212BT	ASA400	1.00	0.50	7.500
5000753	CF275BTXASA400-150-ZLR-0.50	CF275BT	ASA400	1.50	0.50	7.500
5000755	CF338BTXASA400-200-ZLR-0.50	CF338BT	ASA400	2.00	0.50	7.500
5000757	CF450BTXASA400-250-ZLR-0.50	CF450BT	ASA400	2.50	0.50	7.500
5000759	CF462BTXASA400-300-ZLR-0.50	CF462BT	ASA400	3.00	0.50	7.500
5000761	CF600BTXASA400-400-ZLR-0.50	CF600BT	ASA400	4.00	0.50	7.500
5000762	CF600BTXASA400G-400-ZLR-0.500	CF600BT	ASA400	4.00	0.50	7.500
5000763	CF133BTXASA600-063-ZLR-0.75	CF133BT	ASA600	0.625	0.75	9.500
5000765	CF212BTXASA600-100-ZLR-0.75	CF212BT	ASA600	1.00	0.75	9.500
5000767	CF275BTXASA600-150-ZLR-0.75	CF275BT	ASA600	1.50	0.75	9.500
5000769	CF338BTXASA600-200-ZLR-0.75	CF338BT	ASA600	2.00	0.75	9.500
5000771	CF450BTXASA600-250-ZLR-0.75	CF450BT	ASA600	2.50	0.75	9.500
5000773	CF462BTXASA600-300-ZLR-0.75	CF462BT	ASA600	3.00	0.75	9.500
5000775	CF600BTXASA600-400-ZLR-0.75	CF600BT	ASA600	4.00	0.75	9.500
5000777	CF800BTXASA600-600-ZLR-0.75	CF800BT	ASA600	6.00	0.75	9.500

CF to ASA/ANSI Adapter Fitting

Materials:

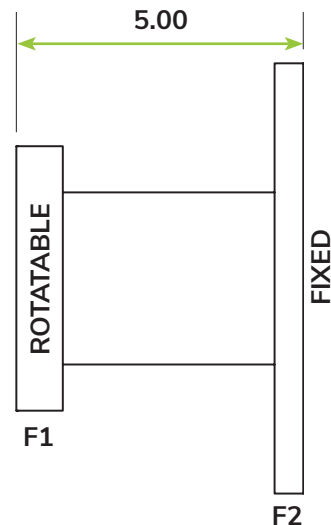
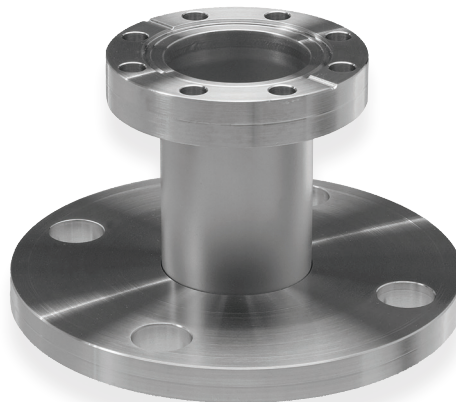
- 304 stainless steel

Product Notes:

- Adapts from CF to ASA/ANSI flanges for the same tubing diameter.

Options: Call for price and delivery

- Custom Flange Combinations and additional sizes
- Tee, Cross and Elbow adapter
- Order ASA/ANSI flanges with or without sealing groove



PART #	REFERENCE ID	FLANGE 1 TYPE	FLANGE 2 TYPE	TUBE O.D. (in)
5000807	CF133RXASA100-075-N-5.00	CF133R	ASA100	0.75
5000809	CF212RXASA100-100-N-5.00	CF212R	ASA100	1.00
5000811	CF275RXASA100-150-N-5.00	CF275R	ASA100	1.50
5000813	CF133RXASA150-075-N-5.00	CF133R	ASA150	0.75
5000815	CF212RXASA150-100-N-5.00	CF212R	ASA150	1.00
5000817	CF275RXASA150-150-N-5.00	CF275R	ASA150	1.50
5000819	CF133RXASA200-075-N-5.00	CF133R	ASA200	0.75
5000821	CF212RXASA200-100-N-5.00	CF212R	ASA200	1.00
5000823	CF275RXASA200-150-N-5.00	CF275R	ASA200	1.50
5000825	CF338RXASA200-200-N-5.00	CF338R	ASA200	2.00
5000827	CF450RXASA200-250-N-5.00	CF450R	ASA200	2.50
5000829	CF462RXASA200-300-N-5.00	CF462R	ASA200	3.00
5000831	CF133RXASA300-075-N-5.00	CF133R	ASA300	0.75
5000833	CF212RXASA300-100-N-5.00	CF212R	ASA300	1.00
5000835	CF275RXASA300-150-N-5.00	CF275R	ASA300	1.50
5000837	CF338RXASA300-200-N-5.00	CF338R	ASA300	2.00
5000839	CF450RXASA300-250-N-5.00	CF450R	ASA300	2.50
5000841	CF462RXASA300-300-N-5.00	CF462R	ASA300	3.00
5000843	CF133RXASA400-075-N-5.00	CF133R	ASA400	0.75
5000845	CF212RXASA400-100-N-5.00	CF212R	ASA400	1.00
5000847	CF275RXASA400-150-N-5.00	CF275R	ASA400	1.50
5000849	CF338RXASA400-200-N-5.00	CF338R	ASA400	2.00
5000851	CF450RXASA400-250-N-5.00	CF450R	ASA400	2.50
5000853	CF462RXASA400-300-N-5.00	CF462R	ASA400	3.00
5000855	CF600RXASA400-400-N-5.00	CF600R	ASA400	4.00
5000857	CF133RXASA600-075-N-5.00	CF133R	ASA600	0.75
5000859	CF212RXASA600-100-N-5.00	CF212R	ASA600	1.00
5000861	CF275RXASA600-150-N-5.00	CF275R	ASA600	1.50
5000863	CF338RXASA600-200-N-5.00	CF338R	ASA600	2.00
5000865	CF450RXASA600-250-N-5.00	CF450R	ASA600	2.50

CF to ASA/ANSI Adapter Fitting
(continued)**Materials:**

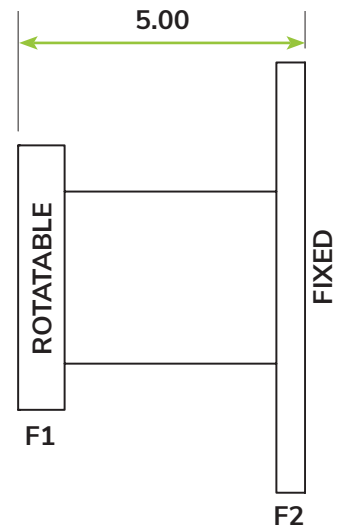
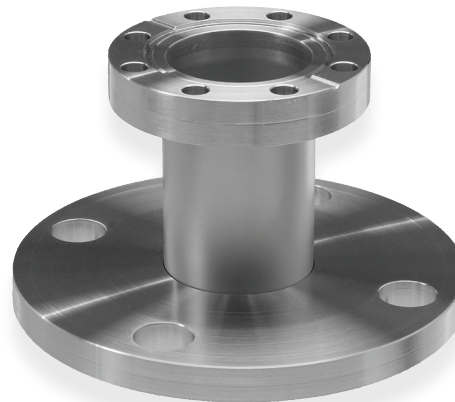
- 304 stainless steel

Product Notes:

- Adapts from CF to ASA/ANSI flanges for the same tubing diameter.

Options: Call for price and delivery

- Custom Flange Combinations and additional sizes
- Tee, Cross and Elbow adapter
- Order ASA/ANSI flanges with or without sealing groove



PART #	REFERENCE ID	FLANGE 1 TYPE	FLANGE 2 TYPE	TUBE O.D. (in)
5000865	CF450RXASA600-250-N-5.00	CF450R	ASA600	2.50
5000867	CF462RXASA600-300-N-5.00	CF462R	ASA600	3.00
5000869	CF600RXASA600-400-N-5.00	CF600R	ASA600	4.00
5000871	CF800RXASA600-600-N-5.00	CF800R	ASA600	6.00
5000873	CF133RXASA800-075-N-5.00	CF133R	ASA800	0.75
5000875	CF212RXASA800-100-N-5.00	CF212R	ASA800	1.00
5000877	CF275RXASA800-150-N-5.00	CF275R	ASA800	1.50
5000879	CF338RXASA800-200-N-5.00	CF338R	ASA800	2.00
5000881	CF450RXASA800-250-N-5.00	CF450R	ASA800	2.50
5000883	CF462RXASA800-300-N-5.00	CF462R	ASA800	3.00
5000885	CF600RXASA800-400-N-5.00	CF600R	ASA800	4.00
5000887	CF800RXASA800-600-N-5.00	CF800R	ASA800	6.00
5000889	CF1000RXASA800-800-N-5.00	CF1000R	ASA800	8.00
5000891	CF133RXASA1000-075-N-5.00	CF133R	ASA1000	0.75
5000893	CF212RXASA1000-100-N-5.00	CF212R	ASA1000	1.00
5000895	CF275RXASA1000-150-N-5.00	CF275R	ASA1000	1.50
5000897	CF338RXASA1000-200-N-5.00	CF338R	ASA1000	2.00
5000899	CF450RXASA1000-250-N-5.00	CF450R	ASA1000	2.50
5000901	CF462RXASA1000-300-N-5.00	CF462R	ASA1000	3.00
5000903	CF600RXASA1000-400-N-5.00	CF600R	ASA1000	4.00
5000905	CF800RXASA1000-600-N-5.00	CF800R	ASA1000	6.00
5000907	CF1000RXASA1000-800-N-5.00	CF1000R	ASA1000	8.00
5000909	CF1325RXASA1000-1000-N-5.00	CF1325R	ASA1000	10.00

CF to ASA/ANSI Conical Adapter

Materials:

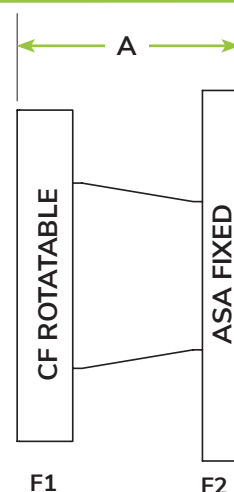
- 304 Stainless steel

Product Notes:

- Adapts from CF to ASA/ANSI flanges for different tubing diameters.

Options: Call for price and delivery

- Custom Flange Combinations and additional sizes
- Tee, Cross and Elbow adapter
- Order ASA/ANSI flanges with or without sealing groove



CF to ASA

PART #	REFERENCE ID	FLANGE 1 TYPE	FLANGE 1 TUBE O.D. (in)	FLANGE 2 TYPE	FLANGE 2 TUBE O.D. (in)	A (in)
5000787	CF450RXASA150-250X200-CR-3.00	CF450R	2.50	ASA150	2.00	3.000
5000789	CF462RXASA150-300X200-CR-4.25	CF462R	3.00	ASA150	2.00	4.250
5000791	CF600RXASA150-400X200-CR-4.31	CF600R	4.00	ASA150	2.00	4.313
5000799	CF600RXASA200-400X300-CR-4.31	CF600R	4.00	ASA200	3.00	4.313

ASA/ANSI to CF Conical Adapter

Materials:

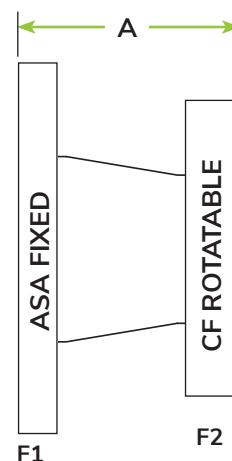
- 304 Stainless steel

Product Notes:

- Adapts from ASA/ANSI to CF flanges for different tubing diameters.

Options: Call for price and delivery

- Custom Flange Combinations and additional sizes
- Tee, Cross and Elbow adapter
- Order ASA/ANSI flanges with or without sealing groove



ASA to CF

PART #	REFERENCE ID	FLANGE 1 TYPE	FLANGE 1 TUBE O.D. (in)	FLANGE 2 TYPE	FLANGE 2 TUBE O.D. (in)	A (in)
5000779	ASA100XCF133R-150X075-CR-2.91	ASA100	1.50	CF133R	0.75	2.91
5000781	ASA150XCF212R-200X100-CR-2.80	ASA150	2.00	CF212R	1.00	2.792
5000783	ASA150XCF275R-200X150-CR-2.83	ASA150	2.00	CF275R	1.50	2.834
5000785	ASA150XCF338R-250X200-CR-2.85	ASA150	2.50	CF338R	2.00	2.850
5000793	ASA200XCF275R-300X150-CR-4.08	ASA200	3.00	CF275R	1.50	4.084
5000795	ASA200XCF338R-300X200-CR-4.10	ASA200	3.00	CF338R	2.00	4.100
5000797	ASA200XCF450R-300X250-CR-4.25	ASA200	3.00	CF450R	2.50	4.250
5000801	ASA300XCF338R-400X200-CR-4.10	ASA300	4.00	CF338R	2.00	4.100
5000803	ASA300XCF450R-400X250-CR-4.25	ASA300	4.00	CF450R	2.50	4.250
5000805	ASA300XCF462R-400X300-CR-4.25	ASA300	4.00	CF462R	3.00	4.250

QF to ASA/ANSI Adapters

Materials:

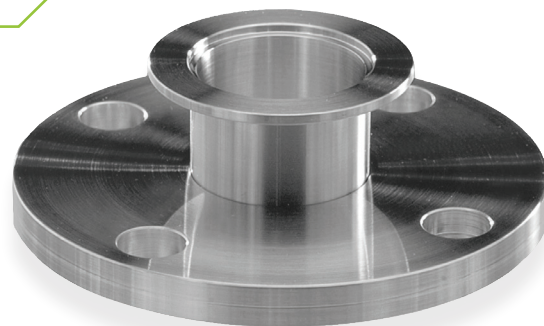
- 304 stainless steel

Product Notes:

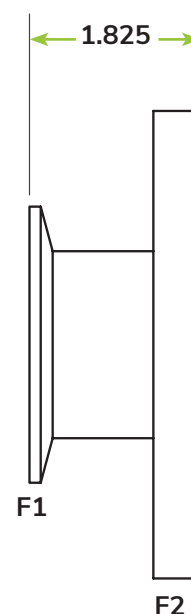
- Adapts from QF to ASA/ANSI flanges with the same tubing outer diameter.

Options: Call for price and delivery

- Custom flange combinations and additional sizes
- Order ASA/ANSI flanges with or without sealing groove



PART #	REFERENCE ID	FLANGE 1 TYPE	FLANGE 2 TYPE	TUBE O.D. (in)
6000376	QF16XASA100-075-N-1.83	QF16	ASA100	0.75
6000378	QF16XASA150-075-N-1.83	QF16	ASA150	0.75
6000380	QF16XASA200-075-N-1.83	QF16	ASA200	0.75
6000382	QF16XASA300-075-N-1.83	QF16	ASA300	0.75
6000384	QF16XASA400-075-N-1.83	QF16	ASA400	0.75
6000386	QF16XASA600-075-N-1.83	QF16	ASA600	0.75
6000388	QF25XASA200-100-N-1.83	QF25	ASA200	1.00
6000390	QF25XASA300-100-N-1.83	QF25	ASA300	1.00
6000392	QF25XASA400-100-N-1.83	QF25	ASA400	1.00
6000394	QF25XASA600-100-N-1.83	QF25	ASA600	1.00
6000396	QF40XASA150-150-N-1.83	QF40	ASA150	1.50
6000398	QF40XASA200-150-N-1.83	QF40	ASA200	1.50
6000400	QF40XASA300-150-N-1.83	QF40	ASA300	1.50
6000402	QF40XASA400-150-N-1.83	QF40	ASA400	1.50
6000404	QF40XASA600-150-N-1.83	QF40	ASA600	1.50
6000406	QF50XASA150-200-N-1.83	QF50	ASA150	2.00
6000408	QF50XASA200-200-N-1.83	QF50	ASA200	2.00
6000410	QF50XASA300-200-N-1.83	QF50	ASA300	2.00
6000412	QF50XASA400-200-N-1.83	QF50	ASA400	2.00
6000414	QF50XASA600-200-N-1.83	QF50	ASA600	2.00



O-Ring Groove Option

ANCORP ASA/ANSI flanged fittings come standard with a smooth flange face. The addition of an O-ring groove is a custom option. If you require a grooved flange the additional charge for this is detailed in this chart.

Please Note: Adding a groove is customizing this product and is no longer returnable.

REFERENCE ID

ASA100
ASA150
ASA200
ASA300
ASA400
ASA600
ASA800
ASA1000

Call For Pricing

ASA/ANSI to QF Conical Adapters

Materials:

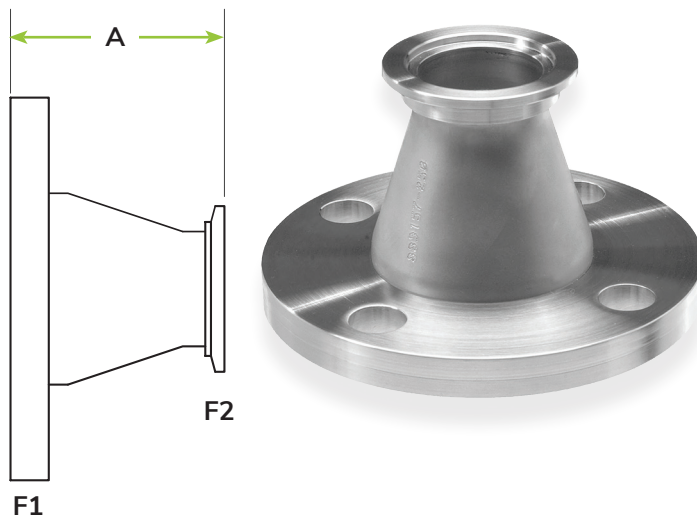
- 304 stainless steel

Product Notes:

- Adapts from QF to ASA/ANSI flanges for different tubing diameters.

Options: Call for price and delivery

- Custom flange combinations and additional sizes
- Order ASA/ANSI flanges with or without sealing groove



PART #	REFERENCE ID	FLANGE 1 TYPE	FLANGE 1 TUBE O.D. (in)	FLANGE 2 TYPE	FLANGE 2 TUBE O.D. (in)	A (in)
6000466	ASA100XQF16-150X075-CR-2.80	ASA100	1.50	QF16	0.75	2.795
6000468	ASA150XQF16-150X075-CR-2.80	ASA150	1.50	QF16	0.75	2.795
6000470	ASA100XQF25-150X100-CR-2.80	ASA100	1.50	QF25	1.00	2.795
6000472	ASA150XQF25-150X100-CR-2.80	ASA150	1.50	QF25	1.00	2.795
6000474	ASA150XQF40-250X150-CR-2.80	ASA150	2.50	QF40	1.50	2.795
6000476	ASA200XQF40-300X150-CR-4.05	ASA200	3.00	QF40	1.50	4.045
6000478	ASA300XQF40-300X150-CR-4.03	ASA300	3.00	QF40	1.50	4.03
6000480	ASA150XQF50-250X200-CR-2.80	ASA150	2.50	QF50	2.00	2.795
6000482	ASA200XQF50-300X200-CR-4.05	ASA200	3.00	QF50	2.00	4.045
6000484	ASA300XQF50-300X200-CR-4.05	ASA300	4.00	QF50	2.00	4.045

LF to ASA/ANSI Adapter

Materials:

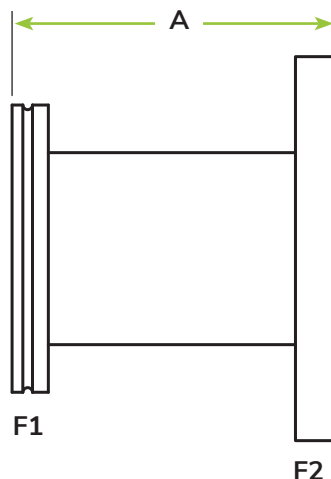
- 304 stainless steel

Product Notes:

- Adapts from LF to ASA/ANSI flanges with the same tubing outer diameter.

Options: Call for price and delivery

- Custom flange combinations and additional sizes
- Order ASA/ANSI flanges with or without sealing groove



PART #	REFERENCE ID	FLANGE 1 TYPE	FLANGE 2 TYPE	A (in)	TUBE O.D. (in)
6000416	LF63XASA100-150-N-4.19	LF63	ASA100	4.19	1.50
6000418	LF63XASA150-250-N-4.19	LF63	ASA150	4.19	2.50
6000420	LF63XASA200-250-N-4.19	LF63	ASA200	4.19	2.50
6000422	LF80XASA100-150-N-4.19	LF80	ASA100	4.19	1.50
6000424	LF80XASA150-250-N-4.19	LF80	ASA150	4.19	2.50
6000426	LF80XASA200-300-N-4.19	LF80	ASA200	4.19	3.00
6000428	LF100XASA300-400-N-4.19	LF100	ASA300	4.19	4.00
6000430	LF100XASA400-400-N-4.19	LF100	ASA400	4.19	4.00
6000432	LF160XASA300-400-N-4.19	LF160	ASA300	4.19	4.00
6000434	LF160XASA400-600-N-4.19	LF160	ASA400	4.19	6.00
6000436	LF160XASA600-600-N-4.32	LF160	ASA600	4.32	6.00
6000438	LF200XASA300-400-N-4.19	LF200	ASA300	4.19	4.00
6000440	LF200XASA400-600-N-4.19	LF200	ASA400	4.19	6.00
6000442	LF200XASA600-800-N-4.32	LF200	ASA600	4.32	8.00

O-Ring Groove Option

ANCORP ASA/ANSI flanged fittings come standard with a smooth flange face. The addition of an o-ring groove is a custom option. If you require a grooved flange the additional charge for this is detailed in this chart.

Please Note: Adding a groove is customizing this product and is no longer returnable.

REFERENCE ID

ASA100
ASA150
ASA200
ASA300
ASA400
ASA600
ASA800
ASA1000

Call For Pricing

LF to ASA/ANSI Conical Adapter

Materials:

- 304 Stainless steel

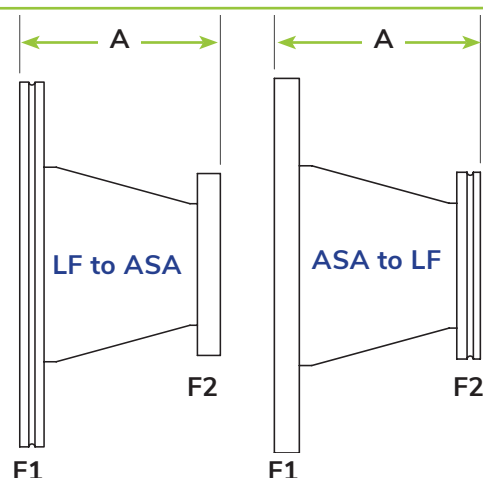
Product Notes:

- Adapts from LF to ASA/ANSI flanges for different tubing diameters.

Options:

Call for price and delivery

- Custom flange combinations and additional sizes
- Order ASA/ANSI flanges with or without sealing groove



LF to ASA

PART #	REFERENCE ID	FLANGE 1 TYPE	FLANGE 1 TUBE O.D. (in)	FLANGE 2 TYPE	FLANGE 2 TUBE O.D. (in)	A (in)
6000444	LF63XASA100-250X150-CR-2.87	LF63	2.50	ASA100	1.50	2.875
6000452	LF80XASA100-300X150-CR-4.12	LF80	3.00	ASA100	1.50	4.125
6000454	LF80XASA150-300X200-CR-4.12	LF80	3.00	ASA150	2.00	4.125
6000456	LF80XASA200-300X250-CR-4.12	LF80	3.00	ASA200	2.50	4.125
6000460	LF100XASA150-400X200-CR-4.12	LF100	4.00	ASA150	2.00	4.125
6000462	LF100XASA200-400X300-CR-4.12	LF100	4.00	ASA200	3.00	4.125
6000464	LF100XASA300-400X300-CR-4.12	LF100	4.00	ASA300	3.00	4.125

ASA to LF

PART #	REFERENCE ID	FLANGE 1 TYPE	FLANGE 1 TUBE O.D. (in)	FLANGE 2 TYPE	FLANGE 2 TUBE O.D. (in)	A (in)
6000446	ASA150XL63-250X200-CR-2.87	ASA150	2.50	LF63	2.00	2.875
6000448	ASA200XL63-300X250-CR-4.12	ASA200	2.50	LF63	3.00	4.125
6000450	ASA300XL63-400X250-CR-4.13	ASA300	2.50	LF63	4.00	4.125
6000458	ASA300XL80-400X300-CR-4.12	ASA300	3.00	LF80	4.00	4.125

QF to Hose Adapter - Aluminum

Materials:

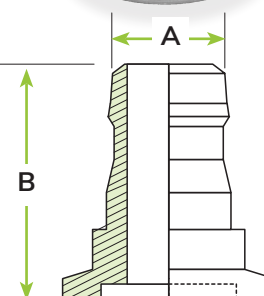
- 2011 aluminum

Product Notes:

- Adapts from ISO-QF flanges to rubber or PVC vacuum hose



PART #	REFERENCE ID	HOSE SIZE I.D. (in)	A (in)	B (in)
4000257	QF16X50/63-HA-AL	0.50 or 0.63	0.63	1.63
4000258	QF16X63/75-HA-AL	0.63 or 0.75	0.75	1.63
4000259	QF25X50/63-HA-AL	0.50 or 0.63	0.63	1.63
4000261	QF25X75/88-HA-AL	0.75 or 0.88	0.88	1.73
4000262	QF40X150/163-HA-AL	1.50 or 1.63	1.63	2.17
4000263	QF50X150/163-HA-AL	1.50 or 1.63	1.63	2.17



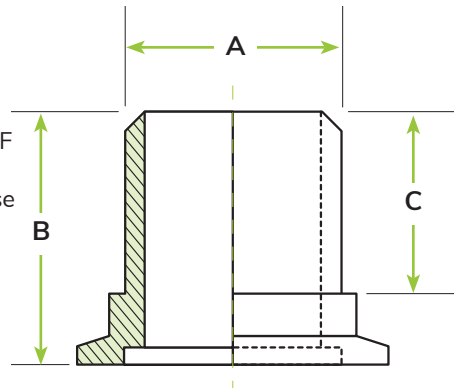
QF to Hose Adapter - Stainless Steel

Materials:

- 304 stainless steel

Product Notes:

- Adapts from ISO-QF flanges to rubber or PVC vacuum hose
-



PART #	REFERENCE ID	HOSE SIZE I.D. (in)	A (in)	B (in)	C (in)
4000265	QF16X050-HA-SS	0.50	0.50	1.26	0.79
4000266	QF16X075-HA-SS	0.75	0.75	1.26	0.79
4000267	QF25X100-HA-SS	1.00	1.00	1.50	1.02
4000268	QF40X150-HA-SS	1.50	1.50	1.97	1.50
4000269	QF50X200-HA-SS	2.00	2.00	2.17	1.61

CF to NPT Female Zero Length Reducer Flange

Product Features:

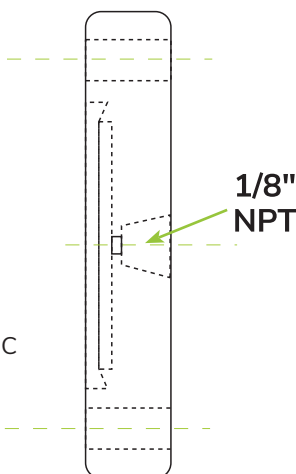
- Ideal for adding vacuum accessories (vacuum measurement, valves, etc.) or gas lines to your system.
- Use standard CF gaskets to seal
- Self-aligning
- Female NPT
- Interchangeable with other ConFlat® style flanges

Product Specifications:

- Pressure range: UHV
- Temperature range: -200°C up to 450°C
- Standard materials: 304 grade stainless steel

Options: Call for price and availability

- Tapped bolt holes
- Alternative materials: 316 stainless steel



PART #	REFERENCE ID	DESCRIPTION
5000208	CF133XFNPT12-0.300	CF1.33 Flange - (1) 0.125 in. NPT Hole
5000209	CF275XFNPT12-0.500	CF2.75 Flange - (1) 0.125 in. NPT Hole

CF to NPT Female Double Sided Flange – Side Port(s)

Product Features:

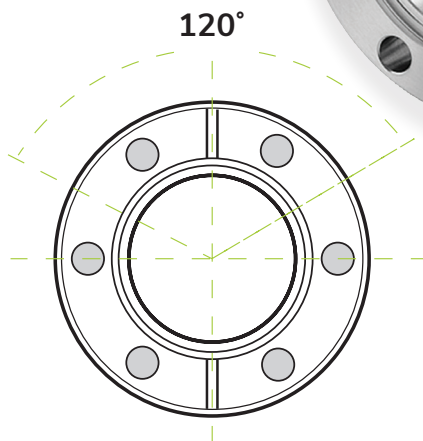
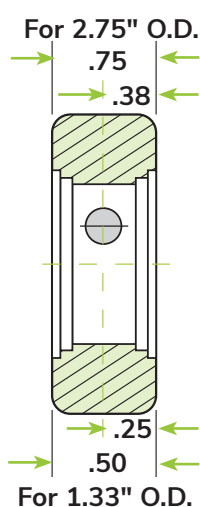
- Ideal for adding vacuum accessories (vacuum measurement, valves, etc.) or gas lines to your system.
- Requires special CF double sided flange bolt kit for fastening
- Use standard CF gaskets to seal
- Self-aligning
- Sexless flanges
- Interchangeable with other ConFlat® style flanges

Product Specifications:

- Pressure range: UHV (approx. 1×10^{-13} Torr)
- Temperature range: -200°C up to 450°C
- Standard materials: 304 stainless steel

Options: Call for price and availability

- Tapped bolt holes
- Alternative materials: 316 stainless steel



4

CF to NPT Adapters

PART #	REFERENCE ID	DESCRIPTION
5000220	CF133DXFNPT06-SPC	CF1.33 Flange - (1) 0.0625 in. NPT Hole
5000221	CF275DXFNPT12-SPC	CF2.75 Flange - (1) 0.125 in. NPT Hole
5000222	CF133DXFNPT06-2X-SPC	CF1.33 Flange - (2) 0.0625 in. NPT Holes
5000223	CF275DXFNPT12-2X-SPC	CF2.75 Flange - (2) 0.125 in. NPT Holes

QF to NPT Female Adapters

Materials:

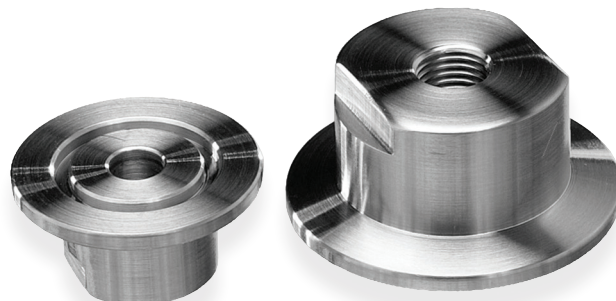
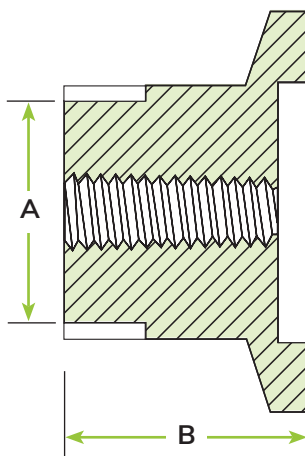
- 304 stainless steel or aluminum

Product Notes:

- Adapts from ISO-QF to NPT fitting

Options: Call for price and delivery

- Additional sizes



ORDERING NOTE:

For ISO-QF to NPT male fittings see pg. 4.20

Stainless Steel

PART #	REFERENCE ID	A (in)	B (in)
4000191	QF16X FNPT12-0.750	0.62	0.75
4000192	QF16X FNPT25-0.750	0.62	0.75
4000193	QF25XFNPT12-0.750	0.88	0.75
4000194	QF25XFNPT25-0.750	0.88	0.75
4000195	QF40XFNPT12-1.000	1.25	1.00
4000196	QF40XFNPT25-1.000	1.25	1.00
4000197	QF50XFNPT12-1.000	1.75	1.00
4000198	QF50XFNPT25-1.000	1.75	1.00

Aluminum

PART #	REFERENCE ID	A (in)	B (in)
4000201	QF16XFNPT12-0.750-AL	0.62	0.75
4000202	QF16XFNPT25-0.750-AL	0.62	0.75
4000203	QF25XFNPT12-0.750-AL	0.88	0.75
4000204	QF25XFNPT25-0.750-AL	0.88	0.75
4000205	QF40XFNPT12-1.000-AL	1.25	1.00
4000206	QF40XFNPT25-1.000-AL	1.25	1.00
4000207	QF50XFNPT12-1.000-AL	1.75	1.00
4000208	QF50XFNPT25-1.000-AL	1.75	1.00

QF Tee to NPT Female Adapters

Materials:

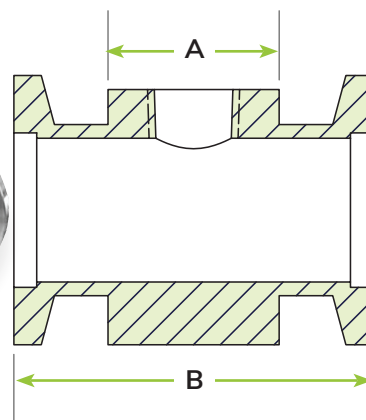
- 304 stainless steel or aluminum

Product Notes:

- Adapts from ISO-QF nipple fitting to side port of NPT fitting

Options: Call for price and delivery

- Additional sizes



Stainless Steel

PART #	REFERENCE ID	A (in)	B (in)
4000219	QF16XFNPT12-TEE-1.575	0.76	1.57
4000220	QF16XFNPT25-TEE-1.575	0.76	1.57
4000221	QF25XFNPT12-TEE-1.575	0.76	1.57
4000222	QF25XFNPT25-TEE-1.575	0.76	1.57
4000223	QF40XFNPT12-TEE-1.575	0.76	1.57
4000224	QF40XFNPT25-TEE-1.575	0.76	1.57
4000225	QF50XFNPT12-TEE-1.575	0.76	1.57
4000226	QF50XFNPT25-TEE-1.575	0.76	1.57

Aluminum

PART #	REFERENCE ID	A (in)	B (in)
4000227	QF16XFNPT12-TEE-1.575-AL	0.76	1.57
4000228	QF16XFNPT25-TEE-1.575-AL	0.76	1.57
4000229	QF25XFNPT12-TEE-1.575-AL	0.76	1.57
4000230	QF25XFNPT25-TEE-1.575-AL	0.76	1.57
4000231	QF40XFNPT12-TEE-1.575-AL	0.76	1.57
4000232	QF40XFNPT25-TEE-1.575-AL	0.76	1.57
4000233	QF50XFNPT12-TEE-1.575-AL	0.76	1.57
4000234	QF50XFNPT25-TEE-1.575-AL	0.76	1.57

QF to NPT Male

Product Notes:

- Adapts from ISO-QF flange to NPT fitting

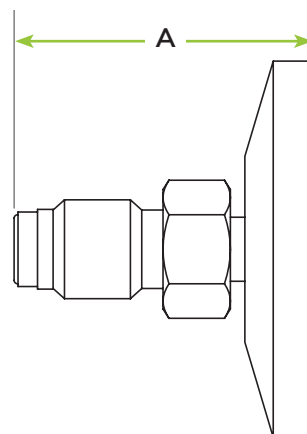
Materials:

- 304 stainless steel

Options:

Call for price and delivery

- Additional sizes



PART #	REFERENCE ID	FLANGE	FITTING	A (in)
4000235	QF16XMNPT12-0.88	QF16	0.125 in. NPT	0.88
4000236	QF16XMNPT25-1.09	QF16	0.25 in. NPT	1.09
4000237	QF25XMNPT12-0.88	QF25	0.125 in. NPT	0.88
4000238	QF25XMNPT25-1.09	QF25	0.25 in. NPT	1.09
4000239	QF25XMNPT50-1.34	QF25	0.50 in. NPT	1.34
4000240	QF25XMNPT75-1.34	QF25	0.75 in. NPT	1.34
4000241	QF25XMNPT100-1.63	QF25	1.00 in. NPT	1.63
4000242	QF40XMNPT12-0.88	QF40	0.125 in. NPT	0.88
4000243	QF40XMNPT25-1.09	QF40	0.25 in. NPT	1.09
4000244	QF40XMNPT50-1.34	QF40	0.50 in. NPT	1.34
4000245	QF40XMNPT75-1.34	QF40	0.75 in. NPT	1.34
4000246	QF40XMNPT100-1.63	QF40	1.00 in. NPT	1.63
4000249	QF50XMNPT12-0.88	QF50	0.125 in. NPT	0.88
4000250	QF50XMNPT25-1.09	QF50	0.25 in. NPT	1.09
4000251	QF50XMNPT50-1.34	QF50	0.50 in. NPT	1.34
4000252	QF50XMNPT75-1.34	QF50	0.75 in. NPT	1.34
4000253	QF50XMNPT100-1.63	QF50	1.00 in. NPT	1.63

CF to VCR® Female

Materials:

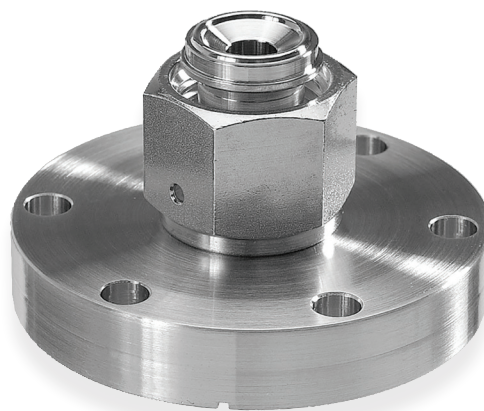
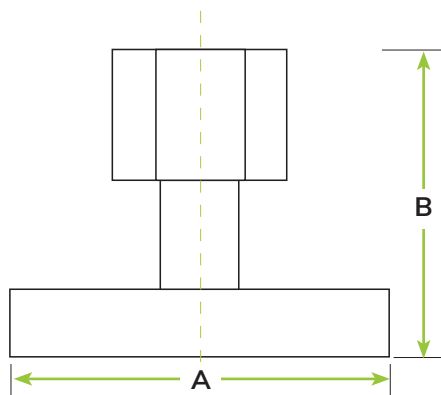
- CF flange:
304 stainless steel
- VCR® fitting:
316 stainless steel

Product Notes:

- Adapts from CF flange to VCR® fitting

Options: Call for price and delivery

- Additional sizes



PART #	REFERENCE ID	FLANGE TYPE	TUBE O.D. (in)	A (in)	LENGTH B (in)
5000633	CF133XFVCR25-1.90	CF133	0.25	1.33	1.905
5000634	CF133XFVCR38-2.21	CF133	0.38	1.33	2.209
5000635	CF275XFVCR25-1.91	CF275	0.25	2.75	1.910
5000636	CF275XFVCR38-2.27	CF275	0.38	2.75	2.268
5000637	CF275XFVCR50-2.21	CF275	0.50	2.75	2.209

CF to VCR® Male

Materials:

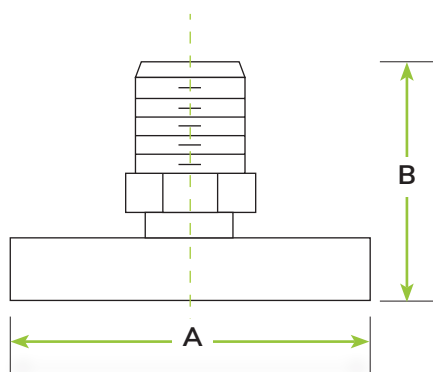
- CF flange:
304 stainless steel
- VCR® fitting:
316 stainless steel

Product Notes:

- Adapts from CF flange to VCR® fitting

Options: Call for price and delivery

- Additional sizes



PART #	REFERENCE ID	FLANGE TYPE	TUBE O.D. (in)	A (in)	LENGTH B (in)
5000627	CF133XMVCR25-1.41	CF133	0.25	1.33	1.406
5000628	CF133XMVCR38-1.65	CF133	0.38	1.33	1.65
5000629	CF275XMVCR25-1.41	CF275	0.25	2.75	1.411
5000630	CF275XMVCR38-1.71	CF275	0.38	2.75	1.709
5000631	CF275XMVCR50-1.90	CF275	0.50	2.75	1.875

QF to VCR® Female

Materials:

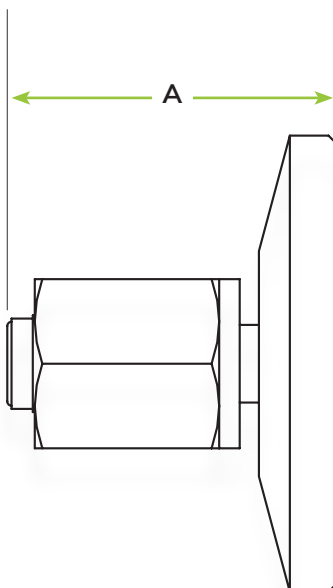
- QF flange: 304 stainless steel
- VCR® Fitting: 316 stainless steel

Product Notes:

- Adapts from ISO-QF flange to VCR® fitting

Options: Call for price and delivery

- Additional sizes



PART #	REFERENCE ID	TUBE O.D. (in)	FLANGE TYPE	A (in)
4000270	QF16XFVCR12-0.85	0.12	QF16	0.85
4000271	QF16XFVCR25-1.46	0.25	QF16	1.46
4000272	QF16XFVCR38-1.65	0.38	QF16	1.65
4000273	QF16XFVCR50-1.65	0.50	QF16	1.65
4000274	QF25XFVCR12-0.85	0.12	QF25	0.85
4000275	QF25XFVCR25-1.36	0.25	QF25	1.36
4000276	QF25XFVCR38-1.55	0.38	QF25	1.55
4000277	QF25XFVCR50-1.55	0.50	QF25	1.55
4000278	QF25XFVCR75-2.15	0.75	QF25	2.15
4000279	QF25XFVCR100-2.37	1.00	QF25	2.37
4000280	QF40XFVCR12-0.85	0.12	QF40	0.85
4000281	QF40XFVCR25-1.36	0.25	QF40	1.36
4000282	QF40XFVCR38-1.55	0.38	QF40	1.55
4000283	QF40XFVCR50-1.55	0.50	QF40	1.55
4000284	QF40XFVCR75-2.15	0.75	QF40	2.15
4000285	QF40XFVCR100-2.37	1.00	QF40	2.37
4000286	QF50XFVCR12-0.85	0.12	QF50	0.85
4000287	QF50XFVCR25-1.36	0.25	QF50	1.36
4000288	QF50XFVCR38-1.55	0.38	QF50	1.55
4000289	QF50XFVCR50-1.55	0.50	QF50	1.55
4000290	QF50XFVCR75-2.15	0.75	QF50	2.15
4000291	QF50XFVCR100-2.37	1.00	QF50	2.37

QF to VCR® Male

Materials:

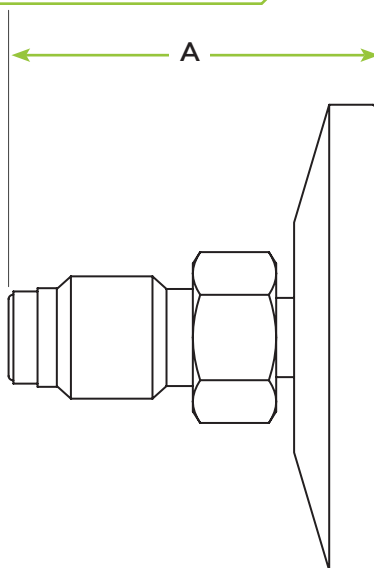
- QF flange: 304 stainless steel
- VCR® Fitting: 316 stainless steel

Product Notes:

- Adapts from ISO-QF flange to VCR® fitting

Options: Call for price and delivery

- Additional sizes



PART #	REFERENCE ID	TUBE O.D. (in)	FLANGE TYPE	A (in)
4000292	QF16XMVCR12-0.85	0.12	QF16	0.85
4000293	QF16XMVCR25-1.46	0.25	QF16	1.46
4000294	QF16XMVCR38-1.65	0.38	QF16	1.65
4000295	QF16XMVCR50-1.55	0.50	QF16	1.55
4000296	QF25XMVCR12-1.05	0.12	QF25	1.05
4000297	QF25XMVCR25-1.36	0.25	QF25	1.36
4000298	QF25XMVCR38-1.55	0.38	QF25	1.55
4000299	QF25XMVCR50-1.55	0.50	QF25	1.55
4000300	QF25XMVCR75-2.15	0.75	QF25	2.15
4000301	QF25XMVCR100-2.37	1.00	QF25	2.37
4000302	QF40XMVCR12-0.85	0.12	QF40	0.85
4000303	QF40XMVCR25-1.36	0.25	QF40	1.36
4000304	QF40XMVCR38-1.55	0.38	QF40	1.55
4000305	QF40XMVCR50-1.55	0.50	QF40	1.55
4000306	QF40XMVCR75-2.15	0.75	QF40	2.15
4000307	QF40XMVCR100-2.37	1.00	QF40	2.37
4000308	QF50XMVCR12-0.85	0.12	QF50	0.85
4000309	QF50XMVCR25-1.36	0.25	QF50	1.36
4000310	QF50XMVCR38-1.55	0.38	QF50	1.55
4000311	QF50XMVCR50-1.55	0.50	QF50	1.55
4000312	QF50XMVCR75-2.15	0.75	QF50	2.15
4000313	QF50XMVCR100-2.37	1.00	QF50	2.37

CF to Swagelok®

Materials:

- CF flange: 304 stainless steel
- Swagelok® fitting: 316 stainless steel

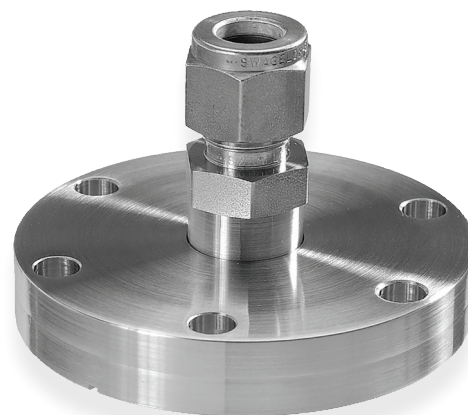
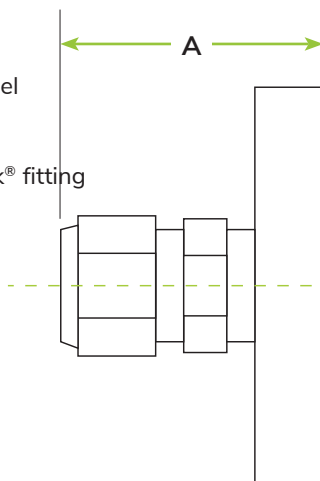
Product Notes:

- Adapts from CF flange to Swagelok® fitting

Options:

**Call for price
and delivery**

- Additional sizes



PART #	REFERENCE ID	FLANGE TYPE	TUBE O.D. (in)	A (in)
5000619	CF133XSWG25-1.70	CF133	0.250	1.70
5000620	CF133XSWG38-1.72	CF133	0.375	1.72
5000621	CF133XSWG50-1.80	CF133	0.500	1.80
5000622	CF275XSWG25-1.64	CF275	0.250	1.64
5000623	CF275XSWG38-1.78	CF275	0.375	1.78
5000624	CF275XSWG50-2.18	CF275	0.500	2.18
5000625	CF275XSWG75-2.20	CF275	0.750	2.20
5000626	CF275XSWG100-2.60	CF275	1.000	2.60

ISO-QF to Swagelok®

Materials

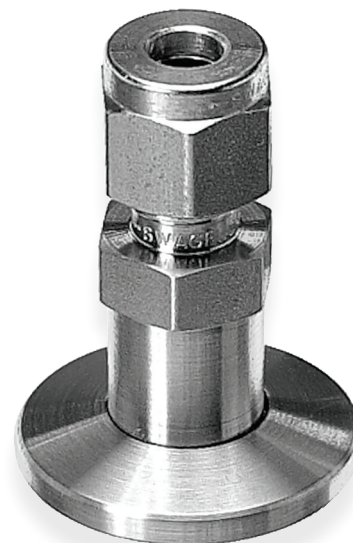
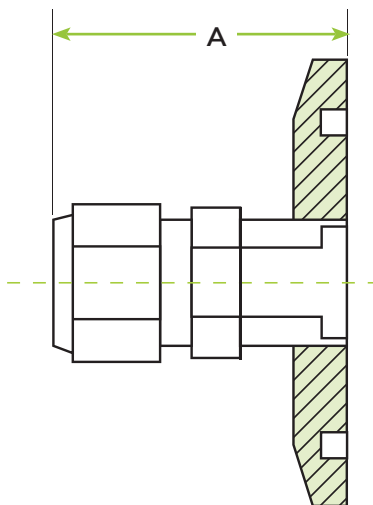
- QF flange: 304 stainless steel
- Swagelok® fitting: 316 stainless steel

Product Notes:

- Adapts from ISO-QF flange to Swagelok® fitting

Options: Call for price and delivery

- Additional sizes



4

ISO-QF to Swagelok® Adapters

PART #	REFERENCE ID	FLANGE TYPE	TUBE O.D. (in)	A (in)
4000314	QF16XSWG12-1.28	QF16	0.12	1.28
4000315	QF16XSWG25-1.53	QF16	0.25	1.53
4000316	QF16XSWG38-1.68	QF16	0.38	1.68
4000317	QF16XSWG50-1.98	QF16	0.50	1.98
4000318	QF25XSWG12-1.275	QF25	0.12	1.28
4000319	QF25XSWG25-1.53	QF25	0.25	1.53
4000320	QF25XSWG38-1.63	QF25	0.38	1.63
4000321	QF25XSWG50-2.08	QF25	0.50	2.08
4000322	QF25XSWG75-2.08	QF25	0.75	2.08
4000323	QF25XSWG100-2.88	QF25	1.00	2.88
4000324	QF40XSWG12-1.28	QF40	0.12	1.28
4000325	QF40XSWG25-1.53	QF40	0.25	1.53
4000326	QF40XSWG38-1.71	QF40	0.38	1.71
4000327	QF40XSWG50-1.97	QF40	0.50	1.97
4000328	QF40XSWG75-2.08	QF40	0.75	2.08
4000329	QF40XSWG100-2.53	QF40	1.00	2.53
4000330	QF50XSWG12-1.28	QF50	0.12	1.28
4000331	QF50XSWG25-1.53	QF50	0.25	1.53
4000332	QF50XSWG38-1.63	QF50	0.38	1.63
4000333	QF50XSWG50-1.97	QF50	0.50	1.97
4000334	QF50XSWG75-2.08	QF50	0.75	2.08
4000335	QF50XSWG100-2.53	QF50	1.00	2.53

CF to Quick Disconnect Adapters

Materials:

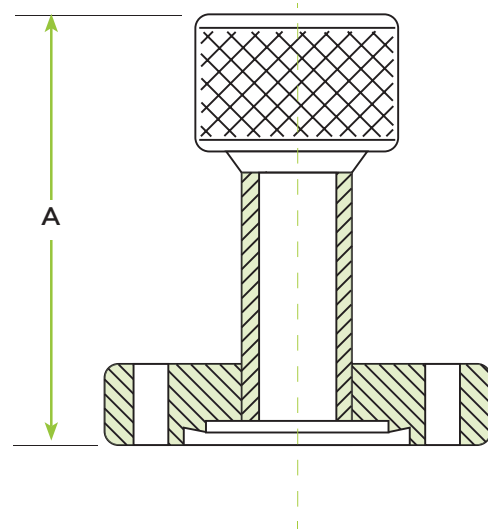
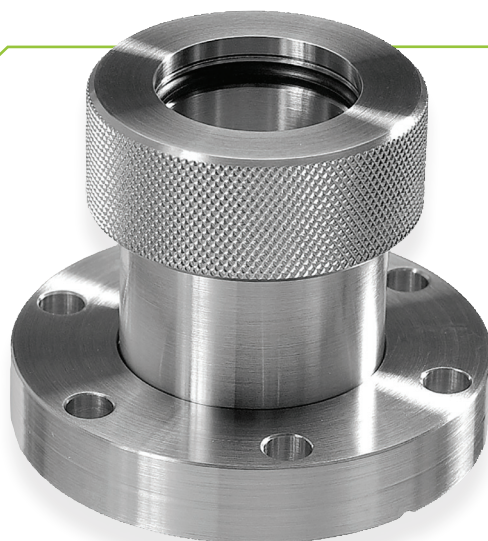
- Standard: 304 stainless steel

Product Notes:

- Adapts from CF flange to quick disconnect fitting
- Convenient for mounting gauges, instruments or adding tube ports without welds

Options: Call for price and delivery

- Additional sizes



PART #	REFERENCE ID	FLANGE	FOR TUBE SIZE (in)	A (in)
5000596	CF133XQD06-1.39	CF133	0.063	1.312
5000597	CF133XQD12-1.36	CF133	0.125	1.312
5000598	CF133XQD18-1.36	CF133	0.188	1.312
5000599	CF133XQD25-1.31	CF133	0.250	1.312
5000600	CF133XQD31-1.38	CF133	0.313	1.387
5000601	CF133XQD38-1.36	CF133	0.375	1.363
5000602	CF133XQD50-1.38	CF133	0.50	1.380
5000603	CF133XQD62-1.47	CF133	0.625	1.471
5000604	CF275XQD06-1.31	CF275	0.063	1.313
5000605	CF275XQD12-1.42	CF275	0.125	1.417
5000606	CF275XQD18-1.36	CF275	0.188	1.363
5000607	CF275XQD25-1.31	CF275	0.25	1.312
5000608	CF275XQD31-1.36	CF275	0.313	1.363
5000609	CF275XQD38-1.36	CF275	0.375	1.363
5000610	CF275XQD50-1.38	CF275	0.50	1.376
5000611	CF275XQD62-1.50	CF275	0.625	1.500
5000612	CF275XQD75-1.63	CF275	0.750	1.625
5000613	CF275XQD87-1.84	CF275	0.875	1.839
5000614	CF275XQD100-2.0	CF275	1.00	2.000
5000615	CF275XQD112-1.99	CF275	1.125	1.994
5000616	CF275XQD125-2.21	CF275	1.25	2.213
5000617	CF275XQD138-2.34	CF275	1 3/8	2.339
5000618	CF275XQD150-2.46	CF275	1 1/2	2.464

O-Ring Groove Option

ANCORP ASA/ANSI flanged fittings come standard with a smooth flange face. The addition of an O-ring groove is a custom option. If you require a grooved flange the additional charge for this is detailed in this chart.

Please Note: Adding a groove is customizing this product and is no longer returnable.

REFERENCE ID

ASA100
ASA150
ASA200
ASA300
ASA400
ASA600
ASA800
ASA1000

Call For Pricing

QF to Quick Disconnect Adapters

Materials:

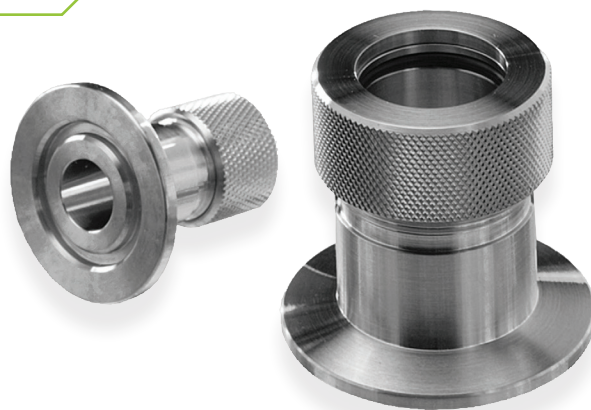
- Standard: 304 stainless steel

Product Notes:

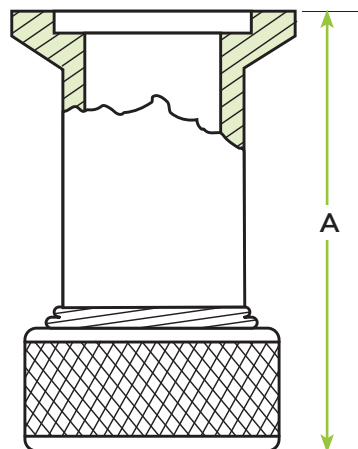
- Adapts from ISO-QF flange to quick disconnect fitting
- Convenient for mounting gauges, instruments or adding tube ports without welds

Options: Call for price and delivery

- Additional sizes



PART #	REFERENCE ID	FOR TUBE SIZE (in)	A (in)
1000002	QF16XQD25-1.41	1/4	1.41
1000003	QF16XQD50-1.51	1/2	1.505
1000004	QF16XQD75-1.81	3/4	1.805
1000005	QF25XQD50-1.51	1/2	1.500
1000006	QF25XQD62-1.66	5/8	1.655
1000007	QF25XQD75-1.81	3/4	1.800
1000008	QF25XQD100-2.01	1	2.000
1000009	QF25XQD112-2.01	1 1/8	2.000
1000010	QF40XQD50-1.51	1/2	1.500
1000011	QF40XQD75-1.81	3/4	1.800
1000012	QF40XQD100-2.01	1	2.000
1000013	QF40XQD112-2.01	1 1/8	2.000
1000014	QF40XQD125-2.16	1 1/4	2.155
1000015	QF40XQD138-2.28	1 3/8	2.28
1000016	QF40XQD150-2.41	1 1/2	2.41
1000017	QF40XQD25-1.47	1/4	1.47
1000018	QF50XQD75-1.78	3/4	1.780
1000019	QF50XQD100-1.96	1	1.955
1000020	QF50XQD112-2.08	1 1/8	1.825
1000021	QF50XQD150-2.40	1 1/2	2.400
1000022	QF50XQD200-2.38	2	2.375
1000023	QF50XQD50-1.47	1/2	1.467



4

QF to Quick Disconnect Adapters

CF to Baseplate Fitting

Materials:

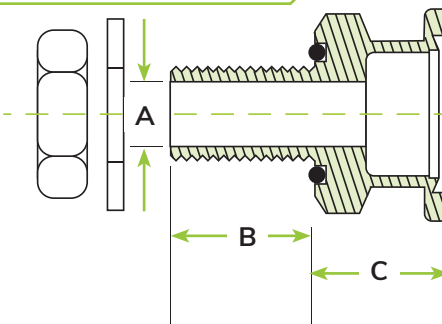
- 304 stainless steel

Product Notes:

- Adapts from CF flange to baseplate fitting
- Baseplate fitting designed to fit through 1 inch diameter ports on baseplates up to 1 inch thick

Options: Call for price and delivery

- Additional sizes



PART #	REFERENCE ID	A (in)	B (in)	C (in)
2000065	CF212XBP100-075-3.00	0.75	1.620	1.28
2000066	CF275XBP100-075-2.90	0.75	1.620	1.28

QF to Baseplate Fitting

Materials:

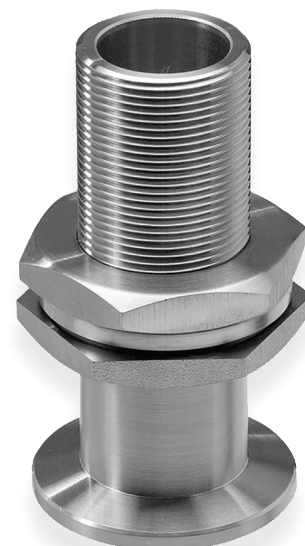
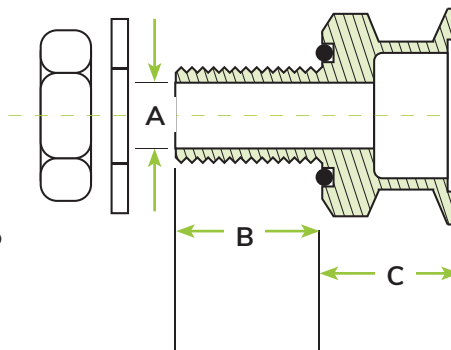
- 304 stainless steel

Product Notes:

- Adapts from ISO-QF flange to baseplate fitting
- Baseplate fitting designed to fit through 1 inch diameter ports on baseplates up to 1 inch thick

Options: Call for price and delivery

- Additional sizes



PART #	REFERENCE ID	A (in)	B (in)	C (in)
2000060	QF25XBP100-075-2.90	0.75	1.620	1.28
2000061	QF40XBP100-075-2.90	0.75	1.620	1.28

NPT Female to Baseplate Fitting

Materials:

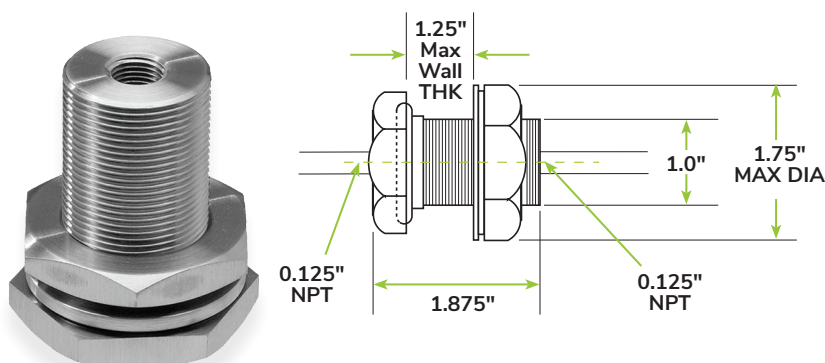
- 304 stainless steel
- Aluminium

Product Notes:

- Adapts from NPT female fitting to baseplate fitting
- Baseplate fitting designed to fit 1 inch diameter ports on baseplates up to 1 inch thick

Options: Call for price and delivery

- Additional sizes



PART #	REFERENCE ID	DESCRIPTION
2000005	BP100XFNPT12-1.875-AL	Baseplate Fitting to 0.125 in. Female NPT-Aluminum
2000006	BP100XFNPT12-1.875	Baseplate Fitting to 0.125 in. Female NPT-Stainless Steel

Baseplate Fitting to Quick Disconnect

Materials:

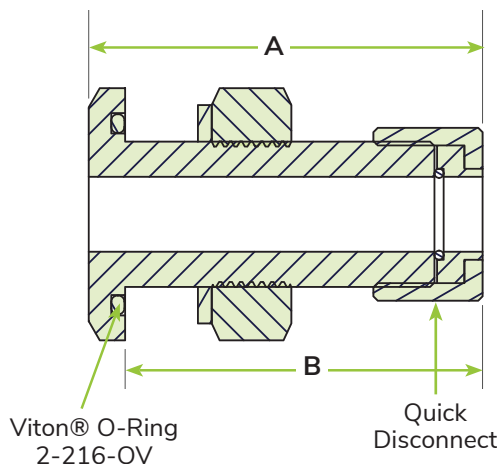
- 304 stainless steel
- Aluminium

Product Notes:

- Adapts from baseplate fitting to quick disconnect fitting
- Baseplate fitting designed to fit 1 inch diameter ports on baseplates up to 1 1/4 inch thick
- Convenient for mounting gauges, instruments or adding tube ports without welds

Options: Call for price and delivery

- Additional sizes



4

Baseplate Fittings

Stainless Steel

PART #	REFERENCE ID	FOR TUBE SIZE (in)	A (in)	B (in)
2000050	BP100XQD12-2.62	1/8	2.62	2.37
2000051	BP100XQD25-2.62	1/4	2.62	2.37
2000052	BP100XQD38-2.62	3/8	2.62	2.37
2000053	BP100XQD50-2.62	1/2	2.62	2.37
2000054	BP100XQD62-2.62	5/8	2.62	2.37
2000055	BP100XQD75-2.62	3/4	2.62	2.37
2000057	BP100XQD100-4.25	1	4.25	2.37

Aluminum

PART #	REFERENCE ID	FOR TUBE SIZE (in)	A (in)	B (in)
2000035	BP100XQD12-2.62-AL	1/8	2.62	2.37
2000036	BP100XQD25-2.62-AL	1/4	2.62	2.37
2000037	BP100XQD38-2.62-AL	3/8	2.62	2.37
2000038	BP100XQD50-2.62-AL	1/2	2.62	2.37
2000039	BP100XQD62-2.62-AL	5/8	2.62	2.37
2000040	BP100XQD75-2.62-AL	3/4	2.62	2.37
2000045	BP100XQD100-4.25-AL	1	4.25	2.37

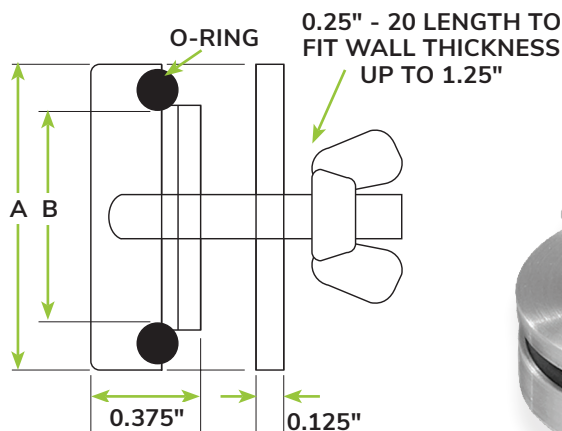
Baseplate Fitting Blank Plug

Materials:

- 304 stainless steel or aluminum

Product Notes:

- Close unused baseplate ports
- Baseplate plugs designed to fit through 1 inch diameter ports on baseplates up to 1 inch thick



PART #	REFERENCE ID	A (in)	B (in)	O-RING	DESCRIPTION
2000025	FTB-075	1.50	0.74	2-216	Blank Stainless Steel Baseplate Plug w/0.75 in. Hole
2000026	FTB-100	1.50	0.99	2-216	Blank Stainless Steel Baseplate Plug w/1.00 in. Hole
2000027	FTB-125	1.75	1.24	2-220	Blank Stainless Steel Baseplate Plug w/1.25 in. Hole
2000028	FTB-150	2.00	1.49	2-223	Blank Stainless Steel Baseplate Plug w/1.50 in. Hole
2000029	FTB-175	2.25	1.74	2-225	Blank Stainless Steel Baseplate Plug w/1.75 in. Hole
2000010	FTB-100-AL	1.50	0.99	2-216	Blank Aluminum Baseplate Plug w/1.00 in. Hole

QF to Welch Pump Adapter

Materials:

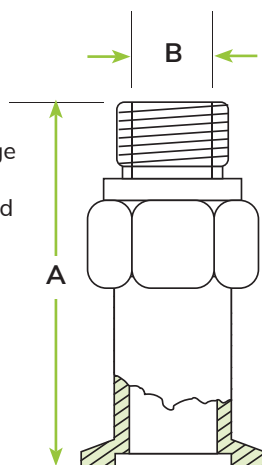
- 304 stainless steel

Product Notes:

- Adapts from ISO-QF flange to Welch Pump fitting
- Aluminum washer included

Options: Call for price and delivery

- Additional sizes



PART #	REFERENCE ID	FOR USE WITH WELCH PUMP NO.	A (in)	B (in)
4000380	QF16XWP1-075-1.77	1399, 1400, 1410	1.77	0.75
4000381	QF16XWP2-075-2.56	1405	2.56	0.58
4000382	QF25XWP1-075-2.76	1380, 1402, 1403, 8806, 8811, 8816, 8821	2.76	0.75
4000383	QF40XWP1-150-2.56	1373, 1376, 8831	2.56	1.50
4000384	QF40XWP2-150-2.57	1374, 1397, 8851	2.56	1.50

QF to Ball Socket Fitting

Materials:

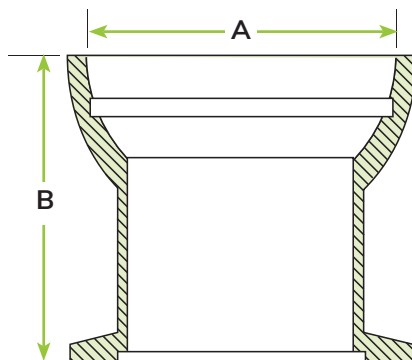
- 304 stainless steel

Product Notes:

- Adapts from ISO-QF flange to ball socket fitting
- Available with and without o-ring groove

Options: Call for price and delivery

- Additional sizes



Smooth Socket

PART #	REFERENCE ID	A (in)	B (in)
4000390	QF40X50/30BS	2.00	2.75
4000392	QF50X75/50BS	3.00	3.27

Socket with O-Ring Groove

PART #	REFERENCE ID	O-RING SIZE	A (in)	B (in)
4000391	QF40X50/30BSG	2-224	2.00	2.75
4000393	QF50X75/50BSG	2-232	3.00	3.27

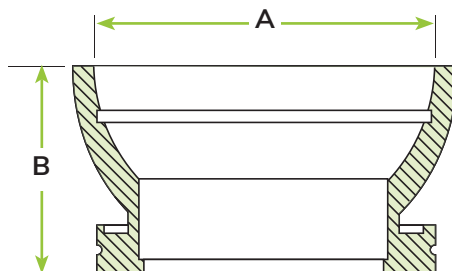
LF to Ball Socket Fitting

Materials:

- 304 stainless steel

Product Notes:

- Adapts from ISO-LF flange to ball socket fitting
- Available with and without o-ring groove



Smooth Socket

PART #	REFERENCE ID	A (in)	B (in)
4500201	LF63X102/75BS	3.98	2.25
4500202	LF80X102/75BS	3.98	2.25
4500203	LF100X102/75BS	3.98	2.25

Socket with O-Ring Groove

PART #	REFERENCE ID	O-RING SIZE	A (in)	B (in)
4500204	LF63X102/75BSG	2-240	3.98	2.25
4500205	LF80X102/75BSG	2-240	3.98	2.25
4500206	LF100X102/75BSG	2-240	3.98	2.25

Options: Call for price and delivery

- Additional sizes

4

QF/LF to Ball Socket Adapters

Up-to-Air Valves

Installation of an **ANCORP** up-to-air valve allows you to vent your chamber to atmosphere or backfill your chamber with the gas of your choice. Up-to-air valves are available in two mounting options: center or side mounting.

Center mounted valves are welded to the flange, side mounted valves are sealed to the side port of a double sided CF flange with an NPT fitting and allow in-line installation of the valve in your system.



Features:

- Valve type: 1/4 inch, bellows sealed
- Actuation: manual
- Temperature range:
CF flange mount: 60°C up to 315°C
ISO-QF flange mount: -20°C up to 150°C
- Helium leak rated less than 4×10^{-9} Std.cc/s

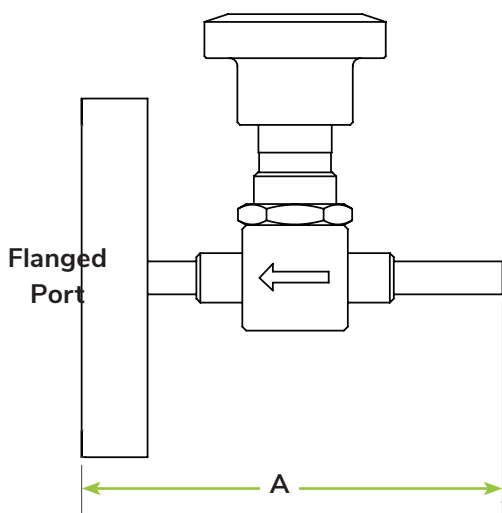
Product Notes:

- Vent or back fill your vacuum chamber

Options: call for price and availability

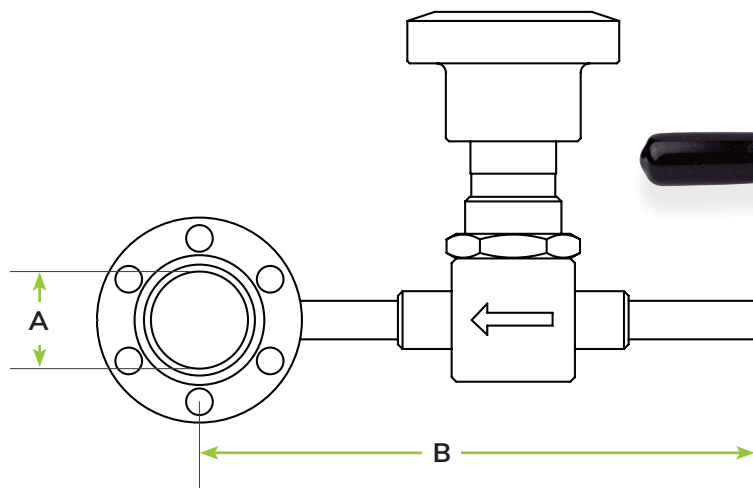
- Optional connections for valve port (VCR®, Swagelok®) standard is 1/4 inch tube end.
- Valves with side mounting to CF flanges can also be provided with a double port CF flange for the addition of a vacuum gauge.

Up-to-Air Valve with CF Flange Port Center Mount



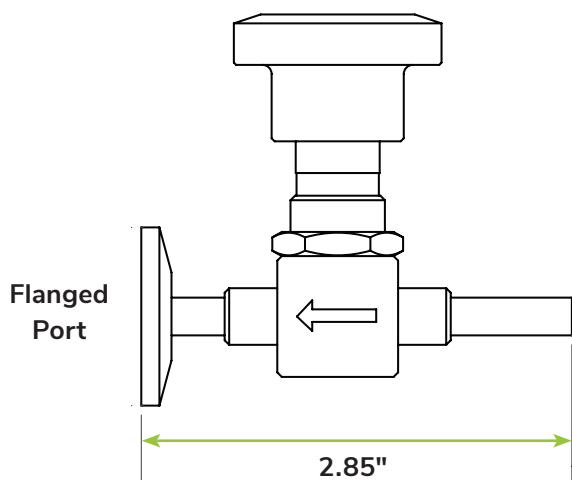
PART #	REFERENCE ID	FLANGED PORT	A (in)	DESCRIPTION
9100105	CF133-025-UTAV-3.00	CF133	3.00	Up-to-Air Valve with a CF133 Flange port
9100106	CF275-025-UTAV-3.19	CF275	3.19	Up-to-Air Valve with a CF275 Flange port

Up-to-Air Valve with Double-Sided CF Flange Port - Side Mount



PART #	REFERENCE ID	FLANGED PORT	A (in)	B (in)	DESCRIPTION
9100107	CF133XCF133-075-UTAV-3.60	CF133D	0.625	3.60	Up-to-Air Valve with a CF133 Flange
9100108	CF275XCF275-150-UTAV-4.00	CF275D	1.50	4.00	Up-to-Air Valve with a CF275 Flange

Up-to-Air Valve with ISO-QF Flange Port Center Mount



PART #	REFERENCE ID	FLANGED PORT	DESCRIPTION
9100101	QF16-025-UTAV-2.85	QF16	Up-to-Air Valve with a QF16 Flange port
9100102	QF25-025-UTAV-2.85	QF25	Up-to-Air Valve with a QF25 Flange port
9100103	QF40-025-UTAV-2.85	QF40	Up-to-Air Valve with a QF40 Flange port
9100104	QF50-025-UTAV-2.85	QF50	Up-to-Air Valve with a QF50 Flange port

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