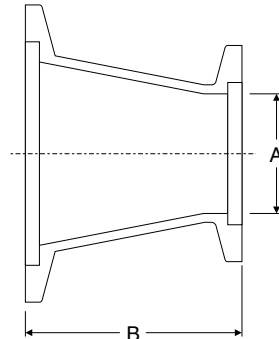
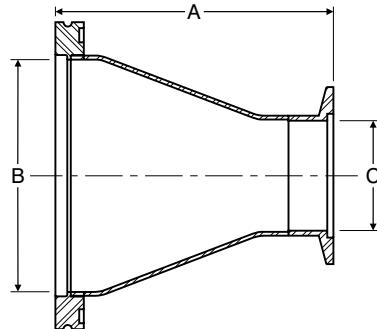
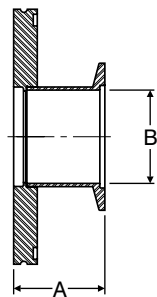


Conical Reducers, Aluminum						in/(mm)	
	Flange Size (ISO)	Flange Size (ISO)	A	B	Part Number	Price	
	NW 16	NW 25	0.62 (16)	1.57 (40)	100313511		
	NW 16	NW 40	0.62 (16)	1.57 (40)	100313512		
	NW 16	NW 50	0.62 (16)	1.57 (40)	100313513		
	NW 25	NW 40	0.87 (22)	1.57 (40)	100313514		
	NW 25	NW 50	0.87 (22)	1.57 (40)	100313515		
	NW 40	NW 50	1.34 (34)	1.57 (40)	100313516		

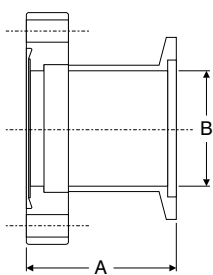
• Mates differing ISO-KF sizes

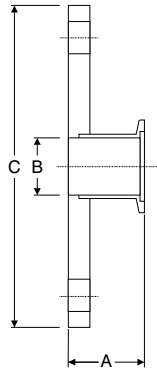
Conical Adapter, ISO-MF Flange to ISO-KF Flange						in/(mm)	
	Flange Size (ISO)	A	B	C	Part Number	Price	
	NW 63 to NW 40	3.39 (86)	2.37 (60)	1.37 (35)	100765006		
	NW 63 to NW 50	3.39 (86)	2.37 (60)	1.87 (47)	100765017		
	NW 80 to NW 40	4.64 (118)	2.87 (73)	1.37 (35)	100765016		
	NW 80 to NW 50	4.64 (118)	2.87 (73)	1.87 (47)	100765008		
	NW 100 to NW 50	4.64 (118)	3.83 (97)	1.87 (47)	100765018		

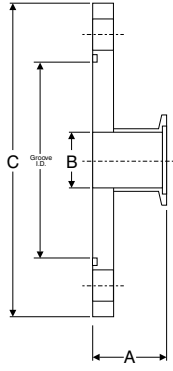
• Stainless steel type 304
• Special adapters available upon request
• High conductance adapter

Step Adapters, ISO-MF Flange to ISO-KF Flange						in/(mm)	
	Flange Size (ISO)	A	B	Part Number	Price		
	NW 63 to NW 40	1.77 (45)	1.37 (35)	100762606			
	NW 63 to NW 50	1.77 (45)	1.87 (47)	100762617			
	NW 80 to NW 40	1.77 (45)	1.87 (47)	100762616			
	NW 80 to NW 50	1.77 (45)	1.87 (47)	100762608			
	NW 100 to NW 50	1.77 (45)	1.87 (47)	100762618			

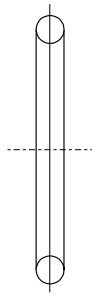
• Stainless Steel Type 304

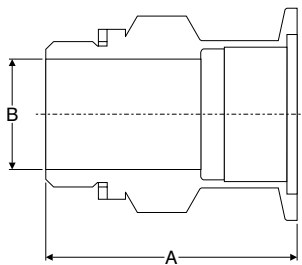
Adapter, ISO-KF to CF						in/(mm)	
	Flange Size (KF)	Flange Size (CF)	A	B	Part Number	Price	
	NW 16	Mini -1 $\frac{1}{3}$ "	2.08 (53)	0.62 (16)	100315601		
	NW 16	2 $\frac{3}{4}$ "	1.78 (45)	0.62 (16)	100315611		
	NW 25	2 $\frac{1}{8}$ "	1.89 (48)	0.87 (22)	100319812		
	NW 25	2 $\frac{3}{4}$ "	1.78 (45)	0.87 (22)	100315603		
	NW 40	2 $\frac{3}{4}$ "	1.78 (45)	1.33 (34)	100315605		
	NW 50	2 $\frac{3}{4}$ "	2.11 (54)	1.37 (35)	100319813		
	NW 50	4 $\frac{1}{2}$ "	1.95 (50)	1.83 (46)	100315606		
<ul style="list-style-type: none"> Stainless Steel type 304 							

Adapter, ISO-KF to ASA						in/(mm)	
	Flange Size (KF)	Flange Size (ASA)	A	B	C	Part Number	Price
	NW 40	1 $\frac{1}{2}$ "	1.81 (46)	1.33 (34)	5.00 (127)	100316755	
	NW 40	2"	1.81 (46)	1.33 (34)	6.00 (152)	100316705	
	NW 40	3"	1.81 (46)	1.33 (34)	7.50 (191)	100316715	
	NW 50	1 $\frac{1}{2}$ "	1.81 (46)	1.83 (46)	5.00 (127)	100316756	
	NW 50	2"	1.81 (46)	1.83 (46)	6.00 (152)	100316706	
	NW 50	3"	1.81 (46)	1.83 (46)	7.50 (191)	100316716	
<ul style="list-style-type: none"> Stainless Steel type 304 Without O-Ring groove 							

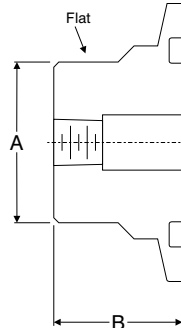
Adapter, ISO-KF to ASA						in/(mm)		
	Flange Size (KF)	Flange Size (ASA)	Groove ID (O-Ring)	A	B	C	Part Number	Price
	NW 40	1 $\frac{1}{2}$ "	2.66" (2-231)	1.81 (46)	1.33 (34)	5.00 (127)	100316775	
	NW 40	2"	3.42" (2-237)	1.81 (46)	1.33 (34)	6.00 (152)	100316725	
	NW 40	3"	4.69" (2-247)	1.81 (46)	1.33 (34)	7.50 (191)	100316735	
	NW 50	1 $\frac{1}{2}$ "	2.66" (2-231)	1.81 (46)	1.83 (46)	5.00 (127)	100316776	
	NW 50	2"	3.42" (2-237)	1.81 (46)	1.83 (46)	6.00 (152)	100316726	
	NW 50	3"	4.69" (2-247)	1.81 (46)	1.83 (46)	7.50 (191)	100316736	
<ul style="list-style-type: none"> Stainless Steel type 304 Standard with O-Ring groove 								



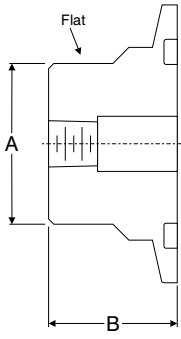
ASA O-Ring, Viton®						in/(mm)	
	Flange Size (ASA)	O-Ring				Part Number	Price
	1½"	2-231				100001380	
	2"	2-237				100006098	
	3"	2-247				100006099	

Adapter, ISO-KF to Welch Pump Connector						in/(mm)	
	Flange Size (KF)	Welch Pump Number	A	B		Part Number	Price
	NW 16	1399, 1400, 1410	1.77 (45)	0.47 (12)		100316601	
	NW 16	1405	2.56 (65)	0.56 (14)		100316621	
	NW 25	1380, 1402, 1403, 8806, 8811, 8816, 8821	2.76 (70)	0.75 (19)		100316603	
NW 40	1374, 1397, 8851	2.56 (65)	1.44 (37)		100316615		

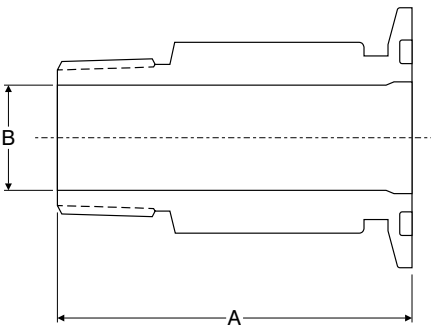
- Includes metal gasket
- Stainless Steel type 304

Adapter, ISO-KF to NPT-F Pipe, Stainless Steel						in/(mm)	
	Flange Size (KF)	Flange Size (NPT)	A	B		Part Number	Price
	NW 10	1/8"	0.62 (16)	0.75 (19)		100312100	
	NW 10	1/4"	0.62 (16)	0.75 (19)		100312300	
	NW 16	1/8"	0.62 (16)	0.75 (19)		100312101	
	NW 16	1/4"	0.62 (16)	0.75 (19)		100312301	
	NW 25	1/8"	0.88 (22)	0.75 (19)		100312103	
	NW 25	1/4"	0.88 (22)	0.75 (19)		100312303	
	NW 40	1/8"	1.25 (32)	1.00 (25)		100312105	
	NW 40	1/4"	1.25 (32)	1.00 (25)		100312305	
	NW 50	1/8"	1.75 (44)	1.00 (25)		100312106	
NW 50	1/4"	1.75 (44)	1.00 (25)		100312306		

- Teflon® tape recommended to seal
- Compatible with most TC and Pirani tubes

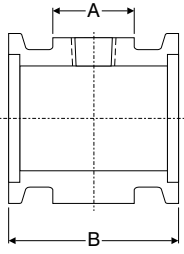
Adapter, ISO-KF to NPT-F Pipe, Aluminum						in/(mm)	
	Flange Size (KF)	Flange Size (NPT)	A	B		Part Number	Price
	NW 10	1/8"	0.62 (16)	0.75 (19)		100312000	
	NW 10	1/4"	0.62 (16)	0.75 (19)		100312200	
	NW 16	1/8"	0.62 (16)	0.75 (19)		100312001	
	NW 16	1/4"	0.62 (16)	0.75 (19)		100312201	
	NW 25	1/8"	0.88 (22)	0.75 (19)		100312003	
	NW 25	1/4"	0.88 (22)	0.75 (19)		100312203	
	NW 40	1/8"	1.25 (32)	1.00 (25)		100312005	
	NW 40	1/4"	1.25 (32)	1.00 (25)		100312205	
	NW 50	1/8"	1.75 (44)	1.00 (25)		100312006	
NW 50	1/4"	1.75 (44)	1.00 (25)		100312206		

- Compatible with most TC and Pirani tubes
- Teflon® tape recommended to seal

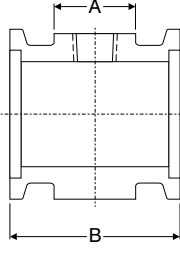
Adapter, ISO-KF to NPT-M Pipe						in/(mm)	
	Flange Size (KF)	Flange Size (NPT)	A	B		Part Number	Price
	NW 16	1/8"	1.57 (40)	0.19 (5)		100316801	
	NW 16	1/4"	1.97 (50)	0.26 (7)		100316811	
	NW 25	1/8"	1.57 (40)	0.19 (5)		100316803	
	NW 25	1/4"	1.97 (50)	0.26 (7)		100316813	
	NW 25	1/2"	2.95 (75)	0.45 (11)		100316823	
	NW 25	3/4"	2.95 (75)	0.78 (20)		100316833	
	NW 40	1/4"	1.97 (50)	0.26 (7)		100316805	
	NW 40	1/2"	2.95 (75)	0.45 (11)		100316815	
	NW 40	3/4"	2.95 (75)	0.78 (20)		100316825	
	NW 40	1"	2.95 (75)	0.88 (22)		100316835	
	NW 40	1 1/4"	2.00 (51)	1.12 (28)		100316844	
	NW 40	1 1/2"	2.00 (51)	1.34 (34)		100316845	
	NW 50	1/4"	1.97 (50)	0.26 (7)		100316806	
	NW 50	1/2"	2.95 (75)	0.45 (11)		100316816	
	NW 50	3/4"	2.95 (75)	0.78 (20)		100316826	
	NW 50	1"	2.95 (75)	0.88 (22)		100316836	
	NW 50	2"	2.00 (51)	1.87 (47)		100316846	

- Stainless Steel
- Hex shank
- Teflon® tape recommended to seal

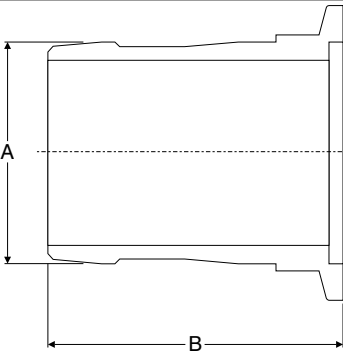


Adapter Tee, ISO-KF to NPT-F Pipe, Stainless Steel						in/(mm)	
	Flange Size (KF)	Flange Size (NPT)	A	B	Part Number	Price	
	NW 16	1/8" Tapped	0.76 (19)	1.57 (40)	100319401		
	NW 16	1/4" Tapped	0.76 (19)	1.57 (40)	100319601		
	NW 25	1/8" Tapped	0.76 (19)	1.57 (40)	100319403		
	NW 25	1/4" Tapped	0.76 (19)	1.57 (40)	100319603		
	NW 40	1/8" Tapped	0.76 (19)	1.57 (40)	100319405		
	NW 40	1/4" Tapped	0.76 (19)	1.57 (40)	100319605		
	NW 50	1/8" Tapped	0.76 (19)	1.57 (40)	100319406		
	NW 50	1/4" Tapped	0.76 (19)	1.57 (40)	100319606		

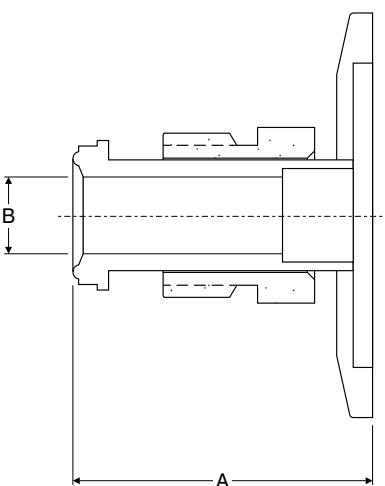
- Available with additional NPT holes
- Teflon® tape recommended to seal

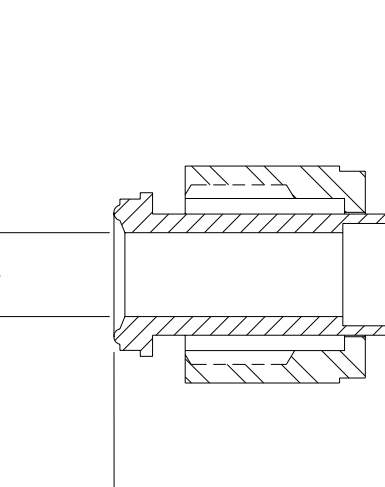
Adapter Tee, ISO-KF to NPT-F Pipe, Aluminum						in/(mm)	
	Flange Size (KF)	Flange Size (NPT)	A	B	Part Number	Price	
	NW 16	1/8" Tapped	0.76 (19)	1.57 (40)	100319301		
	NW 16	1/4" Tapped	0.76 (19)	1.57 (40)	100319501		
	NW 25	1/8" Tapped	0.76 (19)	1.57 (40)	100319303		
	NW 25	1/4" Tapped	0.76 (19)	1.57 (40)	100319503		
	NW 40	1/8" Tapped	0.76 (19)	1.57 (40)	100319305		
	NW 40	1/4" Tapped	0.76 (19)	1.57 (40)	100319505		
	NW 50	1/8" Tapped	0.76 (19)	1.57 (40)	100319306		
	NW 50	1/4" Tapped	0.76 (19)	1.57 (40)	100319506		

- Available with additional NPT holes
- Teflon® tape recommended to seal

Adapter, ISO-KF to Rubber Hose						in/(mm)	
	Flange Size (ISO)	Hose Size	A	B	Part Number	Price	
	NW 16	1/2" or 5/8"	0.63 (16)	1.65 (42)	100311811		
	NW 16	5/8" or 3/4"	0.75 (19)	1.65 (42)	100311801		
	NW 25	3/4" or 7/8"	0.88 (22)	1.73 (44)	100311803		
	NW 40	1 1/2" or 1 5/8"	1.63 (41)	2.17 (55)	100311805		
	NW 50	1 1/2" or 1 5/8"	1.63 (41)	2.17 (55)	100311806		

- Aluminum
- Compatible with standard vacuum hose bores

Adapter, ISO-KF to VCR®-M						in/(mm)	
	Flange Size (ISO)	Flange Size (VCR®)	A	B	VCR® Size	Part Number	Price
	NW 16	4 VCR®	1.40 (36)	0.19 (5)	1/4"	100319111	
	NW 16	8 VCR®	1.63 (41)	0.41 (10)	1/2"	100319121	
	NW 25	4 VCR®	1.40 (36)	0.19 (5)	1/4"	100319113	
	NW 25	8 VCR®	1.60 (41)	0.41 (10)	1/2"	100319123	
	NW 25	12 VCR®	2.14 (54)	0.62 (16)	3/4"	100319133	
	NW 40	4 VCR®	1.40 (36)	0.19 (5)	1/4"	100319115	
	NW 40	8 VCR®	1.60 (41)	0.41 (10)	1/2"	100319125	
	NW 40	12 VCR®	2.10 (53)	0.62 (16)	3/4"	100319135	
	NW 50	4 VCR®	1.40 (36)	0.19 (5)	1/4"	100319116	
	NW 50	8 VCR®	1.60 (41)	0.41 (10)	1/2"	100319126	
	NW 50	12 VCR®	2.10 (53)	0.62 (16)	3/4"	100319136	
<ul style="list-style-type: none"> • Stainless Steel 							

Adapter, ISO-KF to VCR®-F						in/(mm)	
	Flange Size (ISO)	Flange Size (VCR®)	A	B	VCR® Size	Part Number	Price
	NW 16	4 VCR®	1.40 (36)	0.19 (5)	1/4"	100319211	
	NW 16	8 VCR®	1.63 (41)	0.41 (10)	1/2"	100319221	
	NW 25	4 VCR®	1.40 (36)	0.19 (5)	1/4"	100319213	
	NW 25	8 VCR®	1.60 (41)	0.41 (10)	1/2"	100319223	
	NW 25	12 VCR®	2.14 (54)	0.62 (16)	3/4"	100319233	
	NW 40	4 VCR®	1.40 (36)	0.19 (5)	1/4"	100319215	
	NW 40	8 VCR®	1.60 (41)	0.41 (10)	1/2"	100319225	
	NW 40	12 VCR®	2.10 (53)	0.62 (16)	3/4"	100319235	
	NW 50	4 VCR®	1.40 (36)	0.19 (5)	1/4"	100319216	
	NW 50	8 VCR®	1.60 (41)	0.41 (10)	1/2"	100319226	
	NW 50	12 VCR®	2.10 (53)	0.62 (16)	3/4"	100319236	
<ul style="list-style-type: none"> • Stainless Steel 							



Adapter, ISO-KF to Pyrex® Tube						in/(mm)	
	Flange Size (ISO)		A	B		Part Number	Price
	NW 16		5.25 (133)	0.50 (13)		100318501	
	NW 16		5.25 (133)	0.75 (19)		100318511	
	NW 25		5.25 (133)	1.00 (25)		100318503	
	NW 40		5.50 (140)	1.50 (38)		100318505	

• Stainless Steel Type 304

Adapter, ISO-KF to Compression Fitting						in/(mm)	
	Flange Size (ISO)	For Tubing O.D.	A	B	C	Part Number	Price
	NW 10	1/2"	0.41 (10)	2.1 (53)	1.6 (40)	100316910	
	NW 16	1/4"	0.19 (5)	1.4 (36)	1.3 (33)	100316911	
	NW 16	1/2"	0.41 (10)	2.4 (61)	1.6 (40)	100316921	
	NW 16	3/4"	0.62 (16)	2.4 (61)	1.8 (46)	100316931	
	NW 25	1/2"	0.41 (10)	2.4 (61)	1.6 (40)	100316903	
	NW 25	3/4"	0.62 (16)	2.5 (64)	1.8 (46)	100316913	
	NW 25	1"	0.88 (22)	2.4 (62)	1.8 (46)	100316923	
	NW 40	1/2"	0.41 (10)	2.6 (66)	1.6 (40)	100316905	
	NW 40	3/4"	0.62 (16)	2.8 (71)	1.8 (46)	100316915	
	NW 40	1"	0.88 (22)	2.8 (71)	1.8 (46)	100316925	
	NW 40	1 1/8"	1.14 (29)	2.9 (74)	1.9 (49)	100316945	
	NW 40	1 1/2"	1.25 (32)	2.9 (74)	2.0 (51)	100316935	
	NW 50	3/4"	0.62 (16)	2.8 (71)	1.8 (46)	100316926	
	NW 50	1"	0.88 (22)	2.8 (71)	1.8 (46)	100316936	
	NW 50	1 1/8"	1.14 (29)	2.9 (74)	1.9 (49)	100316946	
	NW 50	1 1/2"	1.25 (32)	3.0 (76)	2.0 (51)	100316906	
NW 50	2"	2.01 (51)	3.4 (87)	2.6 (66)	100316916		

• Stainless Steel
 • Viton® O-Ring
 • Compression fitting tightened by hand
 • Compression connect for tube insertion

Adapter, ISO-KF to PVC Hose						in/(mm)	
	Flange Size (ISO)	Hose Size	A	B	C	Part Number	Price
	NW 10	1/2"	0.50 (13)	1.26 (32)	0.79 (20)	100316400	
	NW 16	1/2"	0.50 (13)	1.26 (32)	0.79 (20)	100316411	
	NW 16	3/4"	0.75 (19)	1.26 (32)	0.79 (20)	100316401	
	NW 25	1"	1.00 (25)	1.50 (38)	1.02 (26)	100316403	
	NW 40	1 1/2"	1.50 (38)	1.97 (50)	1.50 (38)	100316405	
NW 50	2"	2.00 (51)	2.17 (55)	1.61 (41)	100316406		
<ul style="list-style-type: none"> • Stainless Steel type 304 • Recommend the use of hose clamps 							

Adapter, ISO-KF to Ball Socket						in/(mm)	
	Flange Size (ISO)	Coupling Size	A	B		Part Number	Price
	NW 40	50/30	2.00 (50)	2.75 (70)		100318205	
	NW 50	75/50	3.00 (75)	3.25 (83)		100318206	
<ul style="list-style-type: none"> • Stainless Steel type 304 • Without O-Ring groove • Mates to standard quartz ball coupling 							

Adapter, ISO-KF to Ball Socket						in/(mm)	
	Flange Size (ISO)	Coupling Size	A	B	O-Ring Size	Part Number	Price
	NW 40	50/30	2.00 (50)	2.75 (70)	(2-224)	100318215	
	NW 50	75/50	3.00 (75)	3.25 (83)	(2-232)	100318216	
<ul style="list-style-type: none"> • Stainless Steel type 304 • With Viton® O-Ring in groove • Mates to standard quartz ball coupling 							

