Conax Technologies provides four flange styles to accompany its compression seal fittings. All flanges are constructed of 304SST, 316SST or carbon steel. Alternate materials and grades are available – consult with the factory on your requirements.

KF (ISO) Vacuum Flange Mounts

KF Vacuum Flange Mounts offer fast assembly and disassembly. They mate to Varian Klamp-Flange®, MDC Kwik-Flange® and similar vacuum flanges. This mounting style is ideal for roughing and high vacuum applications requiring frequent changeover, including sintering furnaces, vacuum furnaces, and semiconductor and powder metal fabrication processes. See pages 81-85 for details.

CF (NW) Vacuum Flange Mounts

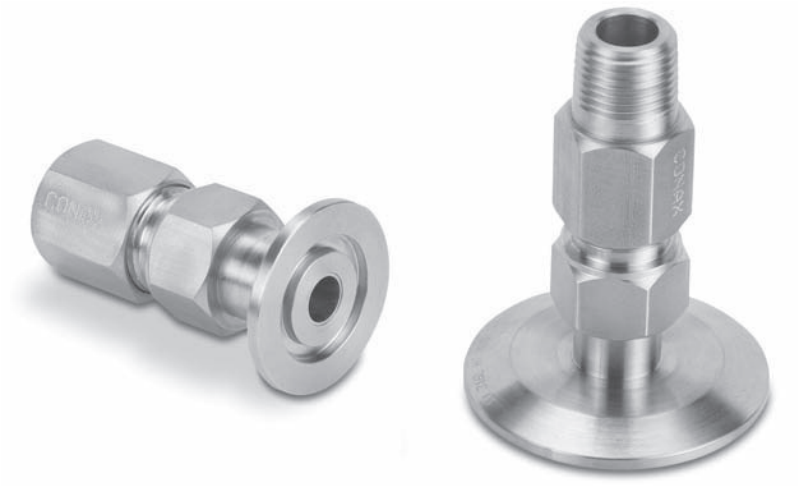
Designed to mate with Varian Con-Flat®, MDC Del-Seal® or similar vacuum flanges, the Conax Technologies CF Vacuum Flange Mount provides high performance and reliable sealing in all types of vacuum applications. See pages 86-90 for details.

SFA Sanitary Flange Mounts

SFA Flange Mounts are designed to mount to Tri-Clover 16 AMP sanitary flanges and equivalent. These mounts provide pressure/vacuum sealing against gases and liquids in pharmaceutical, food and dairy processing. See pages 91-99 for details.

ASME/ANSI Flange Mounts

Conax Technologies sealing glands can be welded or threaded to ASME B16.5 flanges to create a rugged mounting for environmental sealing and/or securing the position of instrumentation sensor probes. Use of flanges eliminates the need to weld mounting adapters to the pipe or vessel. Common applications include petrochemical processing and distribution, industrial furnaces, bulk cargo carriers, gas sampling coupons and gas storage silos. See pages 100-101 for details.



KF Vacuum Flange Mounts offer fast assembly and disassembly. They mate to Varian Klamp-Flange®, MDC Kwik-Flange® and similar vacuum flanges. This mounting style is ideal for roughing and high vacuum applications requiring frequent changeover, including sintering furnaces, vacuum furnaces, and semiconductor and powder metal fabrication processes.

Conax Technologies' KF flanges are constructed from 304SST. The glands use 316LSST bodies with 303SST caps and followers.

For those who would prefer a non-welded assembly, a threaded female adapter is available for mating to a male NPT gland – see below.

Alternative sealant materials and custom bore sizes are available. Please consult a Conax Technologies sales engineer for custom needs.

Available accessories include hinged aluminum clamps, replacement Viton O-rings, centering rings (with Viton O-rings), and replacement sealants.

For accessories, see page 104.

- Vacuum Rating at 68˚ F (20˚ C): 5 x 10^{-6} Torr
- Operating Temperature Range: -10˚ F to +300˚ F (-23˚ C to +150˚ C)
- Helium Leak Rate at 68˚ F (20˚ C): 1 x 10^{-6} scc/sec typical

Catalog Numbering System Incorporating a Flange: PG Gland Example

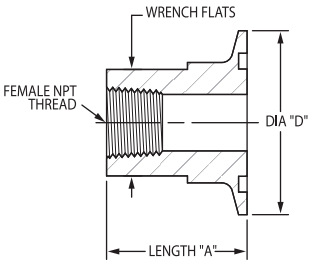
Conax Technologies incorporates a flange into it's catalog numbering system by adding a parenthesis after the gland type. Inside the parenthesis is the information describing the flange (highlighted in grey).

PG5	(	KF8W	/	S316L	)	–	500	–	A	–	V
PG Gland		*Flange Style*		*Gland Body Material of Construction*			*Diameter of Tube or Probe*		*Cap Style*		*Sealant*

Female Pipe Adapter (Thermometer Cap)

For use with male NPT thread mount on compression seal fittings (sold separately).

Part Number	NPT	D Diameter	A Length	Wrench Flats
KF6T-250	1/4	1.58 (40.1)	1.04 (26.4)	0.75 (19.1)
KF8T-250	1/4	2.17 (55.1)	1.04 (26.4)	0.75 (19.1)
KF8T-500	1/2	2.17 (55.1)	1.65 (41.9)	1.13 (28.7)
KF8T-750	3/4	2.17 (55.1)	1.65 (41.9)	1.25 (31.8)
KF9T-250	1/4	2.95 (74.9)	1.04 (26.4)	0.75 (19.1)
KF9T-500	1/2	2.95 (74.9)	1.65 (41.9)	1.13 (28.7)
KF9T-750	3/4	2.95 (74.9)	1.65 (41.9)	1.25 (31.8)
KF9T-1000	1	2.95 (74.9)	1.65 (41.9)	1.56 (39.6)

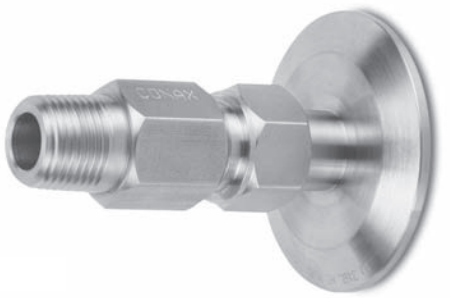


Conax Technologies recommends the use of PTFE tape as a thread sealant during assembly.
If you wish to purchase the glands pre-assembled, please contact the factory.

PG GLANDS

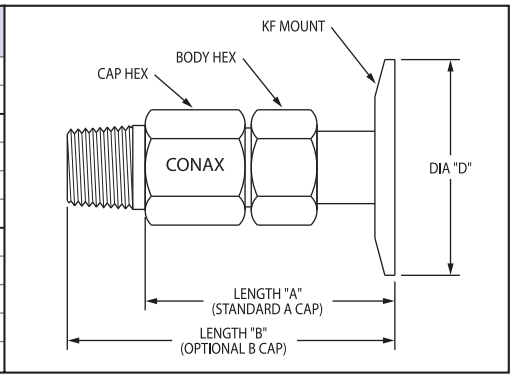
Flange Selection Guide

	Conax Flange Style/ISO Equivalent		
	KF6W/NW25	KF8W/NW40	KF9W/NW50
MPG	X	X	X
PG2	X	X	X
PG4		X	X
PG5		X	X
PG6			X



Dimensions – Inches (mm)

Flange	Gland Type	D Diameter	Overall Length A-Cap	Overall Length B-Cap
KF6W	MPG	1.58 (40.1)	1.19 (30.2)	1.56 (39.7)
	PG2	1.58 (40.1)	2.00 (50.8)	2.63 (66.8)
KF8W	MPG	2.17 (55.1)	1.19 (30.2)	1.56 (39.7)
	PG2	2.17 (55.1)	2.00 (50.8)	2.63 (66.8)
	PG4	2.17 (55.1)	2.50 (63.5)	3.25 (82.6)
	PG5	2.17 (55.1)	2.88 (73.0)	3.63 (92.1)
KF9W	MPG	2.95 (74.9)	1.19 (30.2)	1.56 (39.7)
	PG2	2.95 (74.9)	2.00 (50.8)	2.63 (66.8)
	PG4	2.95 (74.9)	2.50 (63.5)	3.25 (82.6)
	PG5	2.95 (74.9)	2.88 (73.0)	3.63 (92.1)
	PG6	2.95 (74.9)	3.50 (88.9)	4.50 (114.3)



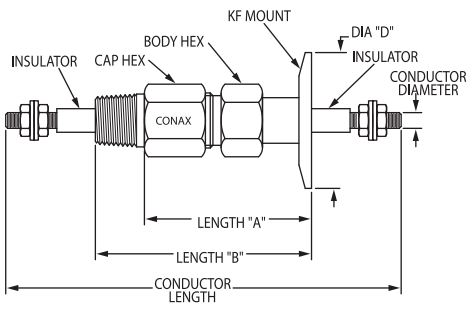
EG GLANDS

Flange Selection Guide

	Conax Flange Style/ISO Equivalent		
	KF6W/NW25	KF8W/NW40	KF9W/NW50
EG-093	X	X	X
EG-125	X	X	X
EG-187	X	X	X
EG-250		X	X
EG-312		X	X
EG-375		X	X
EG-500		X	X
EG-750			X

Dimensions – Inches (mm)

Flange	Gland Type	D Diameter	Overall Length A-Cap	Overall Length B-Cap
KF6W	EG-093	1.58 (40.1)	1.38 (35.1)	1.75 (44.4)
	EG-125/187	1.58 (40.1)	2.00 (50.8)	2.63 (66.8)
KF8W	EG-093	2.17 (55.1)	1.38 (35.1)	1.75 (44.4)
	EG-125/187	2.17 (55.1)	2.00 (50.8)	2.63 (66.8)
	EG-250/312	2.17 (55.1)	2.56 (64.5)	3.38 (85.9)
	EG-375/500	2.17 (55.1)	3.31 (84.1)	4.06 (103.1)
KF9W	EG-093	2.95 (74.9)	1.38 (35.1)	1.75 (44.4)
	EG-125/187	2.95 (74.9)	2.00 (50.8)	2.63 (66.8)
	EG-250/312	2.95 (74.9)	2.56 (64.5)	3.38 (85.9)
	EG-375/500	2.95 (74.9)	3.31 (84.1)	4.06 (103.1)
	EG-750	2.95 (74.9)	5.00 (127.0)	Not Offered



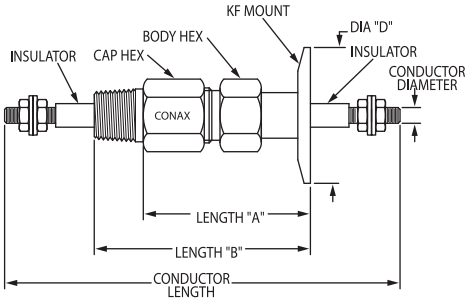
EGT GLANDS

Flange Selection Guide

	Conax Flange Style/ISO Equivalent		
	KF6W/NW25	KF8W/NW40	KF9W/NW50
EGT-093	X	X	X
EGT-125	X	X	X
EGT-187		X	X
EGT-250		X	X
EGT-375		X	X
EGT-500		X	X
EGT-750			X

Dimensions – Inches (mm)

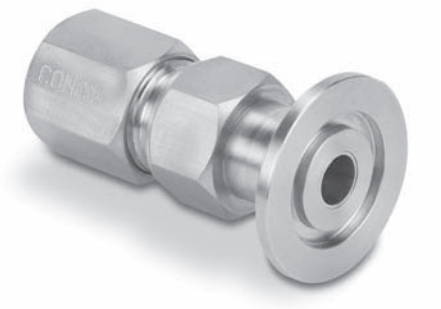
Flange	Gland Type	D Diameter	Overall Length A-Cap	Overall Length B-Cap
KF6W	EGT-093	1.58 (40.1)	1.19 (30.2)	1.56 (39.7)
	EGT-125	1.58 (40.1)	2.00 (50.8)	2.63 (66.8)
KF8W	EGT-093	2.17 (55.1)	1.19 (30.2)	1.56 (39.7)
	EGT-125	2.17 (55.1)	2.00 (50.8)	2.63 (66.8)
	EGT-187/250	2.17 (55.1)	2.50 (63.5)	3.25 (82.6)
	EGT-375/500	2.17 (55.1)	2.88 (73.0)	3.63 (92.1)
KF9W	EGT-093	2.95 (74.9)	1.19 (30.2)	1.56 (39.7)
	EGT-125	2.95 (74.9)	2.00 (50.8)	2.63 (66.8)
	EGT-187/250	2.95 (74.9)	2.50 (63.5)	3.25 (82.6)
	EGT-375/500	2.95 (74.9)	2.88 (73.0)	3.63 (92.1)
	EGT-750	2.95 (74.9)	3.50 (88.9)	4.50 (114.3)



MHC GLANDS

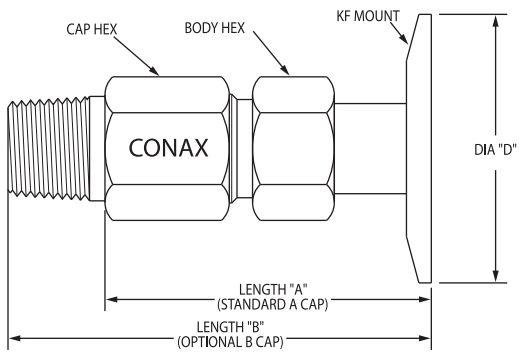
Flange Selection Guide

	Conax Flange Style/ISO Equivalent		
	KF6W/NW25	KF8W/NW40	KF9W/NW50
MHC1	X	X	X
MHC2	X	X	X
MHC4		X	X
MHC5		X	X



Dimensions – Inches (mm)

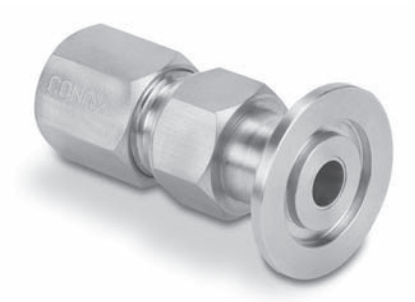
Flange	Gland Type Type	Number of Holes	D Diameter	Overall Length A-Cap	Overall Length B-Cap
KF6W	MHC1-020/032	2,4	1.58 (40.1)	1.38 (35.1)	1.75 (44.4)
	MHC1-062	1	1.58 (40.1)	1.38 (35.1)	1.75 (44.4)
	MHC2-020/032	2,4	1.58 (40.1)	2.00 (50.8)	2.63 (66.8)
	MHC2-062	1	1.58 (40.1)	2.00 (50.8)	2.63 (66.8)
KF8W	MHC1-020/032	2,4	2.17 (55.1)	1.38 (35.1)	1.75 (44.4)
	MHC1-062	1	2.17 (55.1)	1.38 (35.1)	1.75 (44.4)
	MHC2-020/032	2,4	2.17 (55.1)	2.00 (50.8)	2.63 (66.8)
	MHC2-062	1	2.17 (55.1)	2.00 (50.8)	2.63 (66.8)
	MHC4-032/040	6,8	2.17 (55.1)	2.63 (66.8)	3.38 (85.9)
	MHC4-062	2,3,4	2.17 (55.1)	2.63 (66.8)	3.38 (85.9)
	MHC5-032	16	2.17 (55.1)	2.88 (73.2)	3.63 (92.2)
	MHC5-062	6,8	2.17 (55.1)	2.88 (73.2)	3.63 (92.2)
	MHC5-125	2	2.17 (55.1)	2.88 (73.2)	3.63 (92.2)
KF9W	MHC1-020/032	2,4	2.95 (74.9)	1.38 (35.1)	1.75 (44.4)
	MHC1-062	1	2.95 (74.9)	1.38 (35.1)	1.75 (44.4)
	MHC2-020/032	2,4	2.95 (74.9)	2.00 (50.8)	2.63 (66.8)
	MHC2-062	1	2.95 (74.9)	2.00 (50.8)	2.63 (66.8)
	MHC4-032/040	6,8	2.95 (74.9)	2.63 (66.8)	3.38 (85.9)
	MHC4-062	2,3,4	2.95 (74.9)	2.63 (66.8)	3.38 (85.9)
	MHC5-032	16	2.95 (74.9)	2.88 (73.2)	3.63 (92.2)
	MHC5-062	6,8	2.95 (74.9)	2.88 (73.2)	3.63 (92.2)
	MHC5-125	2	2.95 (74.9)	2.88 (73.2)	3.63 (92.2)



MHM GLANDS

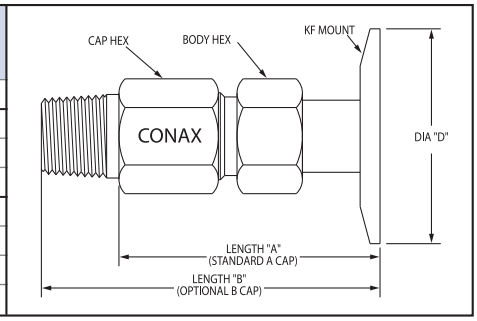
Flange Selection Guide

	Conax Flange Style/ISO Equivalent		
	KF6W/NW25	KF8W/NW40	KF9W/NW50
MHM2	X	X	X
MHM4		X	X
MHM5		X	X
MHM6			X



Dimensions – Inches (mm)

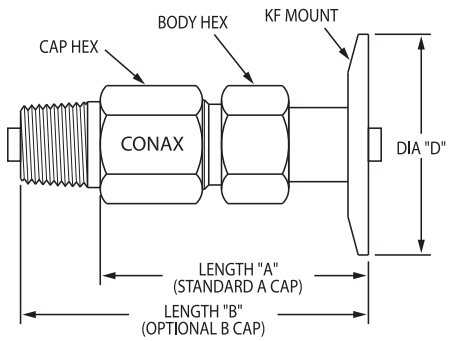
Flange	Gland Type	D Diameter	Overall Length A-Cap	Overall Length B-Cap
KF6W	MHM2	1.58 (40.1)	2.00 (50.8)	2.63 (66.8)
KF8W	MHM2	2.17 (55.1)	2.00 (50.8)	2.63 (66.8)
	MHM4	2.17 (55.1)	2.56 (65.0)	3.38 (85.9)
	MHM5	2.17 (55.1)	3.31 (84.1)	4.06 (103.1)
KF9W	MHM2	2.95 (74.9)	2.00 (50.8)	2.63 (66.8)
	MHM4	2.95 (74.9)	2.56 (65.0)	3.38 (85.9)
	MHM5	2.95 (74.9)	3.31 (84.1)	4.06 (103.1)
	MHM6	2.95 (74.9)	3.80 (96.5)	5.00 (127.0)



PL GLANDS

Flange Selection Guide

	Number of Holes	Conax Flange Style/ISO Equivalent		
		KF6W/NW25	KF8W/NW40	KF9W/NW50
PL-20	2-18		X	X
PL-18	1	X	X	X
PL-18	2-12		X	X
PL-16	2-12		X	X
PL-14	1	X	X	X
PL-14	2-12		X	X
PL-12	2-6		X	X
PL-10	2-4		X	X
PL-8	2,3		X	X



Dimensions – Inches (mm)

Flange	Gland Type	Number of Holes	D Diameter	Overall Length A-Cap	Overall Length B-Cap
KF6W	PL-18/14	1	1.58 (40.1)	1.38 (35.1)	1.75 (44.5)
KF8W	PL-18/14	1	2.17 (55.1)	1.38 (35.1)	1.75 (44.5)
	PL-20/18/16	2,3,4	2.17 (55.1)	2.63 (66.8)	3.38 (85.9)
	PL-14	2	2.17 (55.1)	2.63 (66.8)	3.38 (85.9)
	PL-14	3,4	2.17 (55.1)	2.88 (73.2)	3.63 (92.2)
	PL-20/18/16/14	6,8	2.17 (55.1)	2.88 (73.2)	3.63 (92.2)
	PL-20	18	2.17 (55.1)	2.88 (73.2)	3.63 (92.2)
	PL-18/16/14	10,12	2.17 (55.1)	2.88 (73.2)	3.63 (92.2)
	PL-12	2,3,4,6	2.17 (55.1)	2.88 (73.2)	3.63 (92.2)
	PL-10	2,3,4	2.17 (55.1)	2.88 (73.2)	3.63 (92.2)
	PL-8	2	2.17 (55.1)	2.88 (73.2)	3.63 (92.2)
	PL-8	3	2.17 (55.1)	2.88 (73.2)	3.63 (92.2)
KF9W	PL-18/14	1	2.95 (74.9)	1.47 (37.3)	1.84 (46.7)
	PL-20/18/16	2,3,4	2.17 (55.1)	2.63 (66.8)	3.38 (85.9)
	PL-14	2	2.95 (74.9)	2.63 (66.8)	3.38 (85.9)
	PL-14	3,4	2.95 (74.9)	2.88 (73.2)	3.63 (92.2)
	PL-20/18/16/14	6,8	2.95 (74.9)	2.88 (73.2)	3.63 (92.2)
	PL-20	18	2.95 (74.9)	2.88 (73.2)	3.63 (92.2)
	PL-18/16/14	10,12	2.95 (74.9)	2.88 (73.2)	3.63 (92.2)
	PL-12	2,3,4,6	2.95 (74.9)	2.88 (73.2)	3.63 (92.2)
	PL-10	2,3,4	2.95 (74.9)	2.88 (73.2)	3.63 (92.2)
	PL-8	2	2.95 (74.9)	2.88 (73.2)	3.63 (92.2)
	PL-8	3	2.95 (74.9)	2.88 (73.2)	3.63 (92.2)

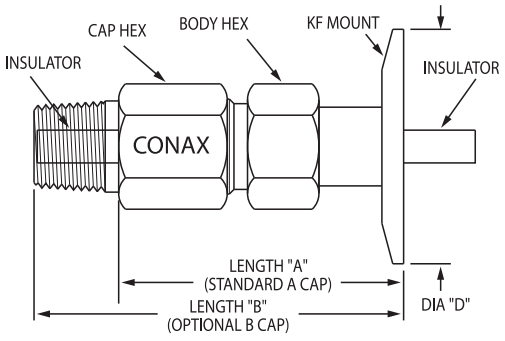
TG GLANDS

Flange Selection Guide

	Number of Holes	Conax Flange Style/ISO Equivalent KF6W/NW25	KF8W/NW40	KF9W/NW50
MTG-24	2,4	X	X	X
MTG-20	2,4	X	X	X
MTG-14	1	X	X	X
TG-24	2,4	X	X	X
TG-20	2,4	X	X	X
TG-20	6,8		X	X
TG-20	16		X	X
TG-18	6,8		X	X
TG-14	1	X	X	X
TG-14	2,3,4		X	X
TG-14	6,8		X	X
TG-8	2		X	X

Dimensions – Inches (mm)

Flange	Gland Type	Number of Holes	D Diameter	Overall Length A-Cap	Overall Length B-Cap
KF6W	MTG-24/20	2,4	1.58 (40.1)	1.38 (35.1)	1.75 (44.4)
	MTG-14	1	1.58 (40.1)	1.38 (35.1)	1.75 (44.4)
	TG-24/20	2,4	1.58 (40.1)	2.00 (50.8)	2.63 (66.8)
	TG-14	1	1.58 (40.1)	2.00 (50.8)	2.63 (66.8)
KF8W	MTG-24/20	2,4	2.17 (55.1)	1.38 (35.1)	1.75 (44.4)
	MTG-14	1	2.17 (55.1)	1.38 (35.1)	1.75 (44.4)
	TG-24/20	2,4	2.17 (55.1)	2.00 (50.8)	2.63 (66.8)
	TG-14	1	2.17 (55.1)	2.00 (50.8)	2.63 (66.8)
	TG-20/18	6,8	2.17 (55.1)	2.63 (66.8)	3.38 (85.9)
	TG-14	2,3,4	2.17 (55.1)	2.63 (66.8)	3.38 (85.9)
	TG-20	16	2.17 (55.1)	2.88 (73.2)	3.63 (92.2)
	TG-14	6,8	2.17 (55.1)	2.88 (73.2)	3.63 (92.2)
	TG-8	2	2.17 (55.1)	2.88 (73.2)	3.63 (92.2)
KF9W	MTG-24/20	2,4	2.95 (74.9)	1.38 (35.1)	1.75 (44.4)
	MTG-14	1	2.95 (74.9)	1.38 (35.1)	1.75 (44.4)
	TG-24/20	2,4	2.95 (74.9)	2.00 (50.8)	2.63 (66.8)
	TG-14	1	2.95 (74.9)	2.00 (50.8)	2.63 (66.8)
	TG-20/18	6,8	2.95 (74.9)	2.63 (66.8)	3.38 (85.9)
	TG-14	2,3,4	2.95 (74.9)	2.63 (66.8)	3.38 (85.9)
	TG-20	16	2.95 (74.9)	2.88 (73.2)	3.63 (92.2)
	TG-14	6,8	2.95 (74.9)	2.88 (73.2)	3.63 (92.2)
	TG-8	2	2.95 (74.9)	2.88 (73.2)	3.63 (92.2)



FLANGES ■ CF (NW) VACUUM FLANGE MOUNT

Designed to mate with Varian Con-Flat®, MDC Del-Seal® or similar vacuum flanges, the Conax Technologies Gland with CF Vacuum Flange Mount provides high performance and reliable sealing in all types of vacuum applications.

A non-rotatable 304LSST flange with non-tapped throughholes is welded to a 316LSST gland body. Caps and followers are 303SST. The flange is available with an oxygen-free copper gasket or a Viton gasket for unbaked applications. The gland is available with a Viton or Grafoil sealant.

Alternative sealant materials and custom bore sizes are available. Please consult a Conax Technologies sales engineer for custom needs.

- Vacuum Rating at 68˚ F (20˚ C): 5 x 10^{-6} Torr
- Temperature Range: -328˚ F to +842˚ F (-200˚ C to +450˚ C) with metal gasket
- Temperature Range: -4˚ F to +302˚ F (-20˚ C to +150˚ C) with Viton gasket
- Helium Leak Rate at 68˚ F (20˚ C): 1 x 10^{-6} scc/sec typical

See pages 102-105 for accessories.

Catalog Numbering System Incorporating a Flange: PG Gland Example

Conax Technologies incorporates a flange into it's catalog numbering system by adding a parenthesis after the gland type. Inside the parenthesis is the information describing the flange (highlighted in grey).

PG5	(	CFNC4W	/	S316L	)	–	500	–	A	–	V
PG Gland		Flange Style		Gland Body Material of Construction			Diameter of Tube or Probe		Cap Style		Sealant

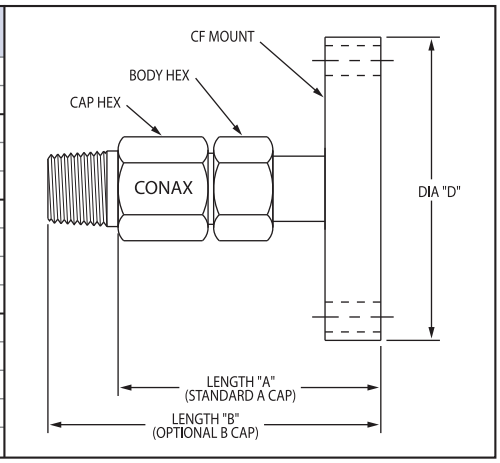
PG GLANDS

Flange Selection Guide

	Conax Flange Style/Comparable to			
	CFNC1/NW16CF	CFNC2/NW25CF	CFNC3/NW35CF	CFNC4/NW50CF
MPG	X	X	X	X
PG2	X	X	X	X
PG4		X	X	X
PG5			X	X
PG6				X

Dimensions – Inches (mm)

Flange	Gland Type	D Diameter	Overall Length A-Cap	Overall Length B-Cap
CFNC1W	MPG	1.33 (33.8)	1.27 (32.3)	1.64 (41.7)
	PG2	1.33 (33.8)	2.08 (52.8)	2.71 (68.8)
CFNC2W	MPG	2.13 (56.3)	1.40 (35.6)	1.77 (45.0)
	PG2	2.13 (56.3)	2.21 (56.1)	2.84 (72.1)
	PG4	2.13 (56.3)	2.77 (70.4)	3.52 (89.4)
CFNC3W	MPG	2.75 (69.9)	1.40 (35.6)	1.77 (45.0)
	PG2	2.75 (69.9)	2.21 (56.1)	2.84 (72.1)
	PG4	2.75 (69.9)	2.77 (70.4)	3.52 (89.4)
	PG5	2.75 (69.9)	3.09 (78.5)	3.84 (97.5)
CFNC4W	MPG	3.38 (85.7)	1.42 (36.1)	1.79 (45.5)
	PG2	3.38 (85.7)	2.23 (56.6)	2.86 (72.6)
	PG4	3.38 (85.7)	2.79 (70.9)	3.55 (90.2)
	PG5	3.38 (85.7)	3.11 (80.0)	3.86 (98.0)
	PG6	3.38 (85.7)	3.73 (94.7)	4.73 (120.1)



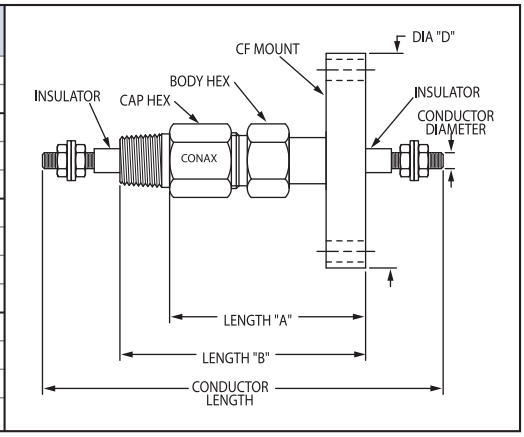
EG GLANDS

Flange Selection Guide

	Conax Flange Style/Comparable to			
	CFNC1/NW16CF	CFNC2/NW25CF	CFNC3/NW35CF	CFNC4/NW50CF
EG-093	X	X	X	X
EG-125	X	X	X	X
EG-187	X	X	X	X
EG-250		X	X	X
EG-312		X	X	X
EG-375			X	X
EG-500			X	X

Dimensions – Inches (mm)

Flange	Gland Type	D Diameter	Overall Length A-Cap	Overall Length B-Cap
CFNC1	EG-093	1.33 (33.8)	1.46 (37.1)	1.83 (46.5)
	EG-125/187	1.33 (33.8)	2.08 (52.8)	2.71 (68.8)
CFNC2	EG-093	2.13 (56.3)	1.59 (40.4)	1.96 (49.8)
	EG-125/187	2.13 (56.3)	2.21 (56.1)	2.84 (72.1)
	EG-250/312	2.13 (56.3)	2.77 (70.4)	3.51 (89.2)
CFNC3	EG-093	2.75 (69.9)	1.59 (40.4)	1.96 (49.8)
	EG-125/187	2.75 (69.9)	2.21 (56.1)	2.84 (72.1)
	EG-250/312	2.75 (69.9)	2.77 (70.4)	3.51 (89.2)
	EG-375/500	2.75 (69.9)	3.52 (89.4)	4.27 (108.5)
CFNC4	EG-093	3.38 (85.7)	1.61 (40.9)	1.98 (50.3)
	EG-125/187	3.38 (85.7)	2.21 (56.1)	2.86 (72.6)
	EG-250/312	3.38 (85.7)	2.79 (70.9)	3.61 (91.7)
	EG-375/500	3.38 (85.7)	3.55 (90.2)	4.29 (109.0)



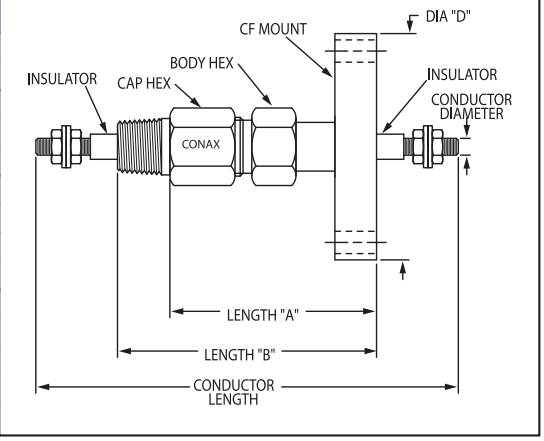
EGT GLANDS

Flange Selection Guide

	Conax Flange Style/Comparable to			
	CFNC1/NW16CF	CFNC2/NW25CF	CFNC3/NW35CF	CFNC4/NW50CF
EGT-093	X	X	X	X
EGT-125	X	X	X	X
EGT-187		X	X	X
EGT-250		X	X	X
EGT-375			X	X
EGT-500			X	X
EGT-750				X

Dimensions – Inches (mm)

Flange	Gland Type	D Diameter	Overall Length A-Cap	Overall Length B-Cap
CFNC1	EGT-093	1.33 (33.8)	1.27 (32.3)	1.64 (41.7)
	EGT-125	1.33 (33.8)	2.08 (52.8)	2.71 (68.8)
CFNC2	EGT-093	2.13 (56.3)	1.40 (35.6)	1.77 (45.0)
	EGT-125	2.13 (56.3)	2.21 (56.1)	2.84 (72.1)
	EGT-187/250	2.13 (56.3)	2.77 (70.4)	3.52 (89.4)
CFNC3	EGT-093	2.75 (69.9)	1.40 (35.6)	1.77 (45.0)
	EGT-125	2.75 (69.9)	2.21 (56.1)	2.84 (72.1)
	EGT-187/250	2.75 (69.9)	2.77 (70.4)	3.52 (89.4)
	EGT-375/500	2.75 (69.9)	3.09 (78.5)	3.84 (97.5)
CFNC4	EGT-093	3.38 (85.7)	1.42 (36.1)	1.79 (45.5)
	EGT-125	3.38 (85.7)	2.23 (56.6)	2.86 (72.6)
	EGT-187/250	3.38 (85.7)	2.79 (70.9)	3.55 (90.2)
	EGT-375/500	3.38 (85.7)	3.11 (79.0)	3.86 (98.0)
	EGT-750	3.38 (85.7)	3.73 (94.7)	4.73 (120.1)



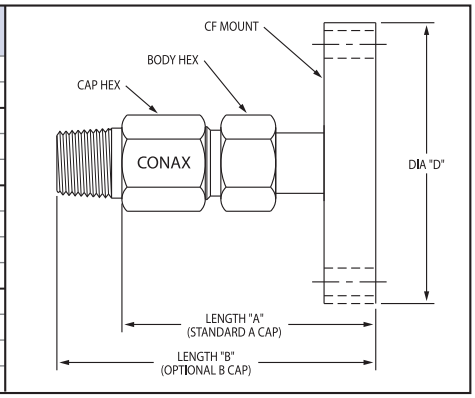
MHC GLANDS

Flange Selection Guide

	Number of Holes	Conax Flange Style/Comparable To CFNC1/NW16CF	CFNC2/NW25CF	CFNC3/NW35CF	CFNC4/NW50CF
MHC1	2,4	X	X	X	X
MHC2	2,4	X	X	X	X
MHC4	6,8		X	X	X
MHC5	16			X	X

Dimensions – Inches (mm)

Flange	Gland Type	Number of Holes	D Diameter	Overall Length A-Cap	Overall Length B-Cap
CFNC1	MHC1	2,4	1.33 (33.8)	1.46 (37.1)	1.83 (46.5)
	MHC2	2,4	1.33 (33.8)	2.08 (52.8)	2.71 (68.8)
CFNC2	MHC1	2,4	2.13 (56.3)	1.59 (40.4)	1.96 (49.8)
	MHC2	2,4	2.13 (56.3)	2.21 (56.1)	2.84 (72.1)
	MHC4	6,8	2.13 (56.3)	2.84 (72.1)	3.59 (91.2)
CFNC3	MHC1	2,4	2.75 (69.9)	1.59 (40.4)	1.96 (49.8)
	MHC2	2,4	2.75 (69.9)	2.21 (56.1)	2.84 (72.1)
	MHC4	6,8	2.75 (69.9)	2.84 (72.1)	3.59 (91.2)
	MHC5	16	2.75 (69.9)	3.09 (78.5)	3.84 (97.5)
CFNC4	MHC1	2,4	3.38 (85.7)	1.71 (43.4)	2.08 (52.8)
	MHC2	2,4	3.38 (85.7)	2.23 (56.6)	2.86 (72.6)
	MHC4	6,8	3.38 (85.7)	2.86 (72.6)	3.61 (91.7)
	MHC5	16	3.38 (85.7)	3.11 (79.0)	3.86 (98.0)



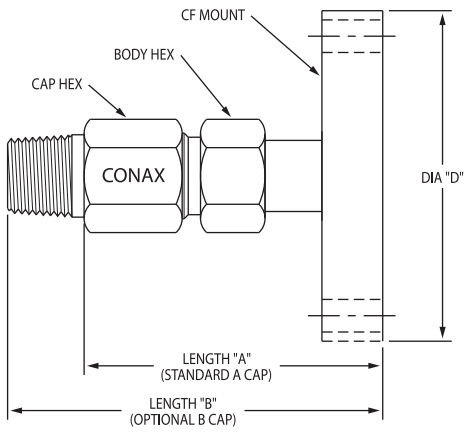
MHM GLANDS

Flange Selection Guide

	Conax Flange Style/Comparable to CFNC1/NW16CF	CFNC2/NW25CF	CFNC3/NW35CF	CFNC4/NW50CF	CFNC5/NW63CF
MHM2	X	X	X	X	
MHM4		X	X	X	
MHM5			X	X	
MHM6					X

Dimensions – Inches (mm)

Flange	Gland Type	D Diameter	Overall Length A-Cap	Overall Length B-Cap
CFNC1	MHM2	1.33 (33.8)	2.08 (52.8)	2.71 (68.8)
CFNC2	MHM2	2.13 (56.3)	2.21 (56.1)	2.84 (72.1)
	MHM4	2.13 (56.3)	2.77 (70.4)	3.59 (91.2)
CFNC3	MHM2	2.75 (69.9)	2.21 (56.1)	2.84 (72.1)
	MHM4	2.75 (69.9)	2.77 (70.4)	3.59 (91.2)
	MHM5	2.75 (69.9)	3.52 (89.4)	4.27 (108.5)
CFNC4	MHM2	3.38 (85.7)	2.23 (56.6)	2.86 (72.6)
	MHM4	3.38 (85.7)	2.79 (70.1)	3.61 (91.7)
	MHM5	3.38 (85.7)	3.55 (90.2)	4.29 (109.0)
CFNC5	MHM6	4.47 (113.5)	4.03 (102.4)	5.25 (133.0)



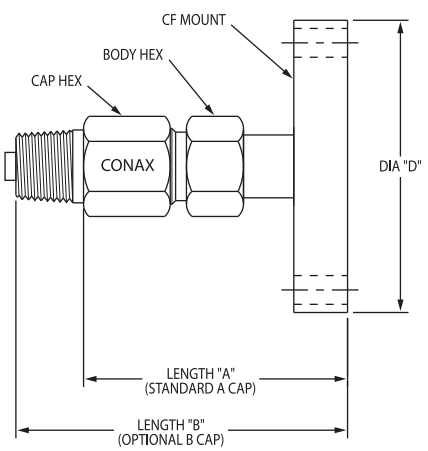
PL GLANDS

Flange Selection Guide

	Number of Holes	Conax Flange Style/Comparable To CFNC1/NW16CF	CFNC2/NW25CF	CFNC3/NW35CF	CFNC4/NW50CF
PL-18	1	X	X	X	X
PL-14	1	X	X	X	X
PL-20	2,3,4		X	X	X
PL-18	2,3,4		X	X	X
PL-16	2,3,4		X	X	X
PL-14	2		X	X	X
PL-14	3,4			X	X
PL-20	6-18			X	X
PL-18	6-12			X	X
PL-16	6-12			X	X
PL-14	6-12			X	X
PL-12	2,3,4,6			X	X
PL-10	2,3,4			X	X
PL-8	2,3			X	X

Dimensions – Inches (mm)

Flange	Gland Type	Number of Holes	D Diameter	Overall Length A-Cap	Overall Length B-Cap
CFNC1	PL-18/14	1	1.33 (33.8)	1.46 (37.1)	1.83 (46.5)
CFNC2	PL-18/14	1	2.13 (56.3)	1.59 (40.4)	1.96 (49.8)
	PL-20/18/16	2,3,4	2.13 (56.3)	2.84 (72.1)	3.59 (91.2)
	PL-14	2	2.13 (56.3)	2.84 (72.1)	3.59 (91.2)
CFNC3	PL-18/14	1	2.75 (69.9)	1.59 (40.4)	1.96 (49.8)
	PL-20/18/16	2,3,4	2.75 (69.9)	2.84 (72.1)	3.59 (91.2)
	PL-14	2	2.75 (69.9)	2.84 (72.1)	3.59 (91.2)
	PL-14	3,4	2.75 (69.9)	3.09 (78.5)	3.84 (97.5)
	PL-20/18/16	6,8	2.75 (69.9)	3.09 (78.5)	3.84 (97.5)
	PL-20	18	2.75 (69.9)	3.09 (78.5)	3.84 (97.5)
	PL-18/16/14	10,12	2.75 (69.9)	3.09 (78.5)	3.84 (97.5)
	PL-12	2,3,4,6	2.75 (69.9)	3.09 (78.5)	3.84 (97.5)
	PL-10	2,3,4	2.75 (69.9)	3.09 (78.5)	3.84 (97.5)
	PL-8	2	2.75 (69.9)	3.09 (78.5)	3.84 (97.5)
	PL-8	3	2.75 (69.9)	3.09 (78.5)	3.84 (97.5)
CFNC4	PL-18/14	1	3.38 (85.7)	1.71 (43.4)	2.08 (52.8)
	PL-20/18/16	2,3,4	3.38 (85.7)	2.86 (72.6)	3.61 (91.7)
	PL-14	2	3.38 (85.7)	2.86 (72.6)	3.61 (91.7)
	PL-14	3,4	3.38 (85.7)	3.11 (79.0)	3.86 (98.0)
	PL-20/18/16/14	6,8	3.38 (85.7)	3.11 (79.0)	3.86 (98.0)
	PL-20	18	3.38 (85.7)	3.11 (79.0)	3.86 (98.0)
	PL-18/16/14	10,12	3.38 (85.7)	3.11 (79.0)	3.86 (98.0)
	PL-12	2,3,4,6	3.38 (85.7)	3.11 (79.0)	3.86 (98.0)
	PL-10	2,3,4	3.38 (85.7)	3.11 (79.0)	3.86 (98.0)
	PL-8	2	3.38 (85.7)	3.11 (79.0)	3.86 (98.0)
	PL-8	3	3.38 (85.7)	3.11 (79.0)	3.86 (98.0)



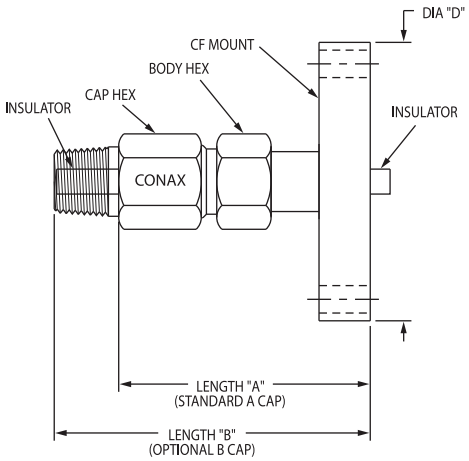
TG GLANDS

Flange Selection Guide

	Number of Holes	Conax Flange Style/Comparable To CFNC1/NW16CF	CFNC2/NW25CF	CFNC3/NW35CF	CFNC4/NW50CF
MTG-24	2,4	X	X	X	X
MTG-20	2,4	X	X	X	X
MTG-14	1	X	X	X	X
TG-24	2,4	X	X	X	X
TG-20	2,4	X	X	X	X
TG-20	6,8		X	X	X
TG-20	16			X	X
TG-18	6,8		X	X	X
TG-14	1	X	X	X	X
TG-14	2,3,4		X	X	X
TG-14	6,8			X	X
TG-8	2			X	X

Dimensions – Inches (mm)

Flange	Gland Type	Number of Holes	D Diameter	Overall Length A-Cap	Overall Length B-Cap
CFNC1	MTG-24/20	2,4	1.33 (33.8)	1.46 (37.1)	1.83 (46.5)
	MTG-14	1	1.33 (33.8)	1.46 (37.1)	1.83 (46.5)
	TG-24/20	2,4	1.33 (33.8)	2.08 (52.8)	2.71 (68.8)
	TG-14	1	1.33 (33.8)	2.08 (52.8)	2.71 (68.8)
CFNC2	MTG-24/20	2,4	2.13 (56.3)	1.59 (40.4)	1.96 (49.8)
	MTG-14	1	2.13 (56.3)	1.59 (40.4)	1.96 (49.8)
	TG-24/20	2,4	2.13 (56.3)	2.21 (56.1)	2.84 (72.1)
	TG-14	1	2.13 (56.3)	2.21 (56.1)	2.84 (72.1)
	TG-20/18	6,8	2.13 (56.3)	2.84 (72.1)	3.59 (91.2)
	TG-14	2,3,4	2.13 (56.3)	2.84 (72.1)	3.59 (91.2)
CFNC3	MTG-24/20	2,4	2.75 (69.9)	1.59 (40.4)	1.96 (49.8)
	MTG-14	1	2.75 (69.9)	1.59 (40.4)	1.96 (49.8)
	TG-24/20	2,4	2.75 (69.9)	2.21 (56.1)	2.84 (72.1)
	TG-14	1	2.75 (69.9)	2.21 (56.1)	2.84 (72.1)
	TG-20/18	6,8	2.75 (69.9)	2.84 (72.1)	3.59 (91.2)
	TG-14	2,3,4	2.75 (69.9)	2.84 (72.1)	3.59 (91.2)
	TG-20	16	2.75 (69.9)	3.09 (78.5)	3.84 (97.5)
	TG-14	6,8	2.75 (69.9)	3.09 (78.5)	3.84 (97.5)
	TG-8	2	2.75 (69.9)	3.09 (78.5)	3.84 (97.5)
CFNC4	MTG-24/20	2,4	3.38 (85.7)	1.71 (43.4)	2.08 (52.8)
	MTG-14	1	3.38 (85.7)	1.71 (43.4)	2.08 (52.8)
	TG-24/20	2,4	3.38 (85.7)	2.23 (56.6)	2.86 (72.6)
	TG-14	1	3.38 (85.7)	2.23 (56.6)	2.86 (72.6)
	TG-20/18	6,8	3.38 (85.7)	2.86 (72.6)	3.61 (91.7)
	TG-14	2,3,4	3.38 (85.7)	2.86 (72.6)	3.61 (91.7)
	TG-20	16	3.38 (85.7)	3.11 (79.0)	3.86 (98.0)
	TG-14	6,8	3.38 (85.7)	3.11 (79.0)	3.86 (98.0)
	TG-8	2	3.38 (85.7)	3.11 (79.0)	3.86 (98.0)



SFA Flange Mounts are designed to mount to Tri-Clover® 16 AMP sanitary flanges and equivalent. These mounts provide pressure/vacuum sealing against gases and liquids in pharmaceutical, food and dairy processing.

Conax Technologies SFA flanges are constructed from 316LSST. The glands use 316LSST bodies with 303SST caps and followers. Standard finish on the flange face is 32 Ra. Optional 16 Ra finish is also available. Viton and PTFE sealants are offered.

For those who would prefer a non-welded assembly, a threaded female adapter is available for mating to a male NPT PG gland (see below). PTFE tape is standard as the thread sealant.

Alternative sealant materials and custom bore sizes are available. Please consult a Conax Technologies sales engineer for custom needs.

- Vacuum Rating at 68˚ F (20˚ C): 5 x 10^{-6} Torr
- Assembly Pressure Rating is determined by the lowest of the following: clamp rating, gland rating or 500 psig
- Operating Temperature Range: -10˚ F to +400˚ F (+23˚ C to +204˚ C)
- Helium Leak Rate at 68˚ F (20˚ C): 1 x 10^{-6} scc/sec typical

See pages 102-105 for accessories.

Catalog Numbering System Incorporating a Flange: PG Gland Example

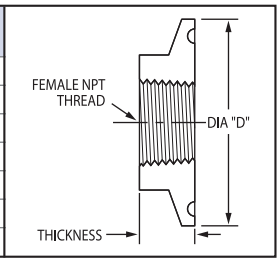
Conax Technologies incorporates a flange into it's catalog numbering system by adding a parenthesis after the gland type. Inside the parenthesis is the information describing the flange (highlighted in grey).

PG5	(	SFA20W	/	S316L	)	–	500	–	A	–	V
PG Gland		Flange Style		Gland Body Material of Construction			Diameter of Tube or Probe		Cap Style		Sealant

Female Pipe Adapter (Thermometer Cap)

For use with male NPT thread mounts on compression seal fittings (sold separately)

Part Number	Tube O.D.	Thickness	D Diameter	Female NPT
318820-007	1/2 & 3/4	0.63 (16.0)	0.98 (25.4)	1/4
318820-006	1	0.63 (16.0)	1.98 (50.3)	1/2
318820-001	1-1/2	0.63 (16.0)	1.98 (50.3)	3/4
318820-002	2	0.63 (16.0)	2.52 (64.0)	3/4
318820-003	2-1/2	0.63 (16.0)	3.05 (77.5)	3/4
318820-004	3	0.63 (16.0)	3.58 (90.0)	3/4
318820-005	4	0.63 (16.0)	4.68 (119.0)	3/4



Conax Technologies recommends the use of PTFE tape as a thread sealant during assembly.
If you wish to purchase the glands pre-assembled, please contact the factory.

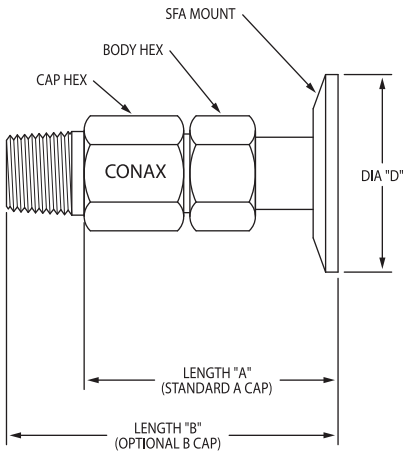
PG GLANDS

Flange Selection Guide

Conax Flange Style: Tube O.D.	SFA05 1/2 & 3/4	SFA10 1 & 1-1/2	SFA20 2	SFA25 2-1/2	SFA30 3	SFA40 4
MPG	X	X	X	X	X	X
PG2		X	X	X	X	X
PG4		X	X	X	X	X
PG5		X	X	X	X	X
PG6			X	X	X	X

Dimensions – Inches (mm)

Flange	Gland Type	Tube O.D.	Diameter "D"	Overall Length A-Cap	Overall Length B-Cap
SFA05W	MPG	1/2 & 3/4	0.98 (24.9)	1.19 (30.2)	1.56 (39.7)
SFA10W	MPG	1 & 1-1/2	1.98 (50.3)	1.19 (30.2)	1.56 (39.7)
	PG2	1 & 1-1/2	1.98 (50.3)	2.00 (50.8)	2.63 (66.8)
	PG4	1 & 1-1/2	1.98 (50.3)	2.50 (63.5)	3.25 (82.6)
	PG5	1 & 1-1/2	1.98 (50.3)	2.88 (73.0)	3.63 (92.1)
SFA20W	MPG	2	2.52 (64.0)	1.19 (30.2)	1.56 (39.7)
	PG2	2	2.52 (64.0)	2.00 (50.8)	2.63 (66.8)
	PG4	2	2.52 (64.0)	2.56 (65.0)	3.31 (84.1)
	PG5	2	2.52 (64.0)	2.88 (73.0)	3.63 (92.1)
	PG6	2	2.52 (64.0)	3.50 (88.9)	4.50 (114.3)
SFA25W	MPG	2-1/2	3.05 (77.5)	1.19 (30.2)	1.56 (39.7)
	PG2	2-1/2	3.05 (77.5)	2.00 (50.8)	2.63 (66.8)
	PG4	2-1/2	3.05 (77.5)	2.56 (65.0)	3.31 (84.1)
	PG5	2-1/2	3.05 (77.5)	2.88 (73.0)	3.63 (92.1)
	PG6	2-1/2	3.05 (77.5)	3.50 (88.9)	4.50 (114.3)
SFA30W	MPG	3	3.58 (90.9)	1.19 (30.2)	1.56 (39.7)
	PG2	3	3.58 (90.9)	2.00 (50.8)	2.63 (66.8)
	PG4	3	3.58 (90.9)	2.56 (65.0)	3.31 (84.1)
	PG5	3	3.58 (90.9)	2.88 (73.0)	3.63 (92.1)
	PG6	3	3.58 (90.9)	3.50 (88.9)	4.50 (114.3)
SFA40W	MPG	4	4.68 (119.0)	1.19 (30.2)	1.56 (39.7)
	PG2	4	4.68 (119.0)	2.00 (50.8)	2.63 (66.8)
	PG4	4	4.68 (119.0)	2.56 (65.0)	3.31 (84.1)
	PG5	4	4.68 (119.0)	2.88 (73.0)	3.63 (92.1)
	PG6	4	4.68 (119.0)	3.50 (88.9)	4.50 (114.3)



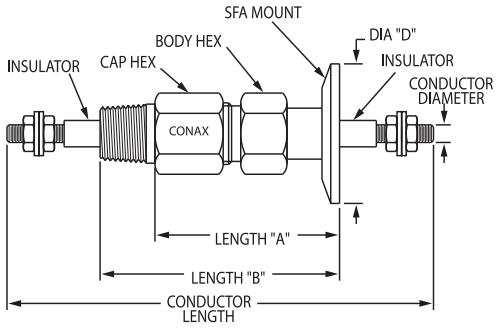
EG GLANDS

Flange Selection Guide

Part Number: Tube O.D.	SFA05 1/2 & 3/4	SFA10 1 & 1-1/2	SFA20 2	SFA25 2-1/2	SFA30 3	SFA40 4
EG-093	X	X	X	X	X	X
EG-125		X	X	X	X	X
EG-187		X	X	X	X	X
EG-250		X	X	X	X	X
EG-312		X	X	X	X	X
EG-375		X	X	X	X	X
EG-500		X	X	X	X	X
EG-750			X	X	X	X

Dimensions – Inches (mm)

iFlange	Gland Type	Tube O.D.	Thickness	D Diameter	Overall Length A-Cap	Overall Length B-Cap
SFA05	EG-093	1/2 & 3/4	0.19 (4.7)	0.98 (24.9)	1.38 (35.1)	1.75 (44.4)
SFA10	EG-093	1 & 1-1/2	0.25 (6.4)	1.98 (50.3)	1.38 (35.1)	1.75 (44.4)
	EG-125/187	1 & 1-1/2	0.25 (6.4)	1.98 (50.3)	2.00 (50.8)	2.63 (66.8)
	EG-250/312	1 & 1-1/2	0.25 (6.4)	1.98 (50.3)	2.56 (64.5)	3.38 (85.9)
	EG-375/500	1 & 1-1/2	0.25 (6.4)	1.98 (50.3)	3.31 (84.1)	4.06 (103.1)
SFA20	EG-093	2	0.25 (6.4)	2.52 (64.0)	1.38 (35.1)	1.75 (44.4)
	EG-125/187	2	0.25 (6.4)	2.52 (64.0)	2.00 (50.8)	2.63 (66.8)
	EG-250/312	2	0.25 (6.4)	2.52 (64.0)	2.56 (64.5)	3.38 (85.9)
	EG-375/500	2	0.25 (6.4)	2.52 (64.0)	3.31 (84.1)	4.06 (103.1)
	EG-750	2	0.25 (6.4)	2.52 (64.0)	5.00 (127.0)	N/O
SFA25	EG-093	2-1/2	0.25 (6.4)	3.05 (77.5)	1.38 (35.1)	1.75 (44.4)
	EG-125/187	2-1/2	0.25 (6.4)	3.05 (77.5)	2.00 (50.8)	2.63 (66.8)
	EG-250/312	2-1/2	0.25 (6.4)	3.05 (77.5)	2.56 (64.5)	3.38 (85.9)
	EG-375/500	2-1/2	0.25 (6.4)	3.05 (77.5)	3.31 (84.1)	4.06 (103.1)
	EG-750	2-1/2	0.25 (6.4)	3.05 (77.5)	5.00 (127.0)	N/O
SFA30	EG-093	3	0.25 (6.4)	3.58 (90.9)	1.38 (35.1)	1.75 (44.4)
	EG-125/187	3	0.25 (6.4)	3.58 (90.9)	2.00 (50.8)	2.63 (66.8)
	EG-250/312	3	0.25 (6.4)	3.58 (90.9)	2.56 (64.5)	3.38 (85.9)
	EG-375/500	3	0.25 (6.4)	3.58 (90.9)	3.31 (84.1)	4.06 (103.1)
	EG-750	3	0.25 (6.4)	3.58 (90.9)	5.00 (127.0)	N/O
SFA40	EG-093	4	0.25 (6.4)	4.68 (119.0)	1.38 (35.1)	1.75 (44.4)
	EG-125/187	4	0.25 (6.4)	4.68 (119.0)	2.00 (50.8)	2.63 (66.8)
	EG-250/312	4	0.25 (6.4)	4.68 (119.0)	2.56 (64.5)	3.38 (85.9)
	EG-375/500	4	0.25 (6.4)	4.68 (119.0)	3.31 (84.1)	4.06 (103.1)
	EG-750	4	0.25 (6.4)	4.68 (119.0)	5.00 (127.0)	N/O



EGT GLANDS

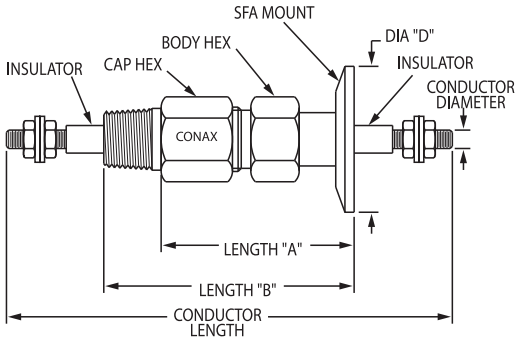
Flange Selection Guide

Flange Style: Tube O.D.	SFA05 1/2 & 3/4	SFA10 1 & 1-1/2	SFA20 2	SFA25 2-1/2	SFA30 3	SFA40 4
EGT-093	X	X	X	X	X	X
EGT-125		X	X	X	X	X
EGT-187		X	X	X	X	X
EGT-250		X	X	X	X	X
EGT-375		X	X	X	X	X
EGT-500		X	X	X	X	X
EGT-750			X	X	X	X

Note: EGT-1000 is not offered with SFA flange mount.

Dimensions – Inches

Flange	Gland Type	Tube O.D.	D Diameter	Overall Length A-Cap	Overall Length B-Cap
SFA05	EGT-093	1/2 & 3/4	0.98 (24.9)	1.19 (30.2)	1.56 (39.7)
SFA10	EGT-093	1 & 1-1/2	1.98 (50.3)	1.19 (30.2)	1.56 (39.7)
	EGT-125	1 & 1-1/2	1.98 (50.3)	2.00 (50.8)	2.63 (66.8)
	EGT-187/250	1 & 1-1/2	1.98 (50.3)	2.56 (64.5)	3.31 (84.1)
	EGT-375/500	1 & 1-1/2	1.98 (50.3)	2.88 (73.0)	3.63 (92.1)
SFA20	EGT-093	2	2.52 (64.0)	1.19 (30.2)	1.56 (39.7)
	EGT-125	2	2.52 (64.0)	2.00 (50.8)	2.63 (66.8)
	EGT-187/250	2	2.52 (64.0)	2.56 (64.5)	3.31 (84.1)
	EGT-375/500	2	2.52 (64.0)	2.88 (73.0)	3.63 (92.1)
	EGT-750	2	2.52 (64.0)	3.50 (88.9)	4.50 (114.3)
SFA25	EGT-093	2-1/2	3.05 (77.5)	1.19 (30.2)	1.56 (39.7)
	EGT-125	2-1/2	3.05 (77.5)	2.00 (50.8)	2.63 (66.8)
	EGT-187/250	2-1/2	3.05 (77.5)	2.56 (64.5)	3.31 (84.1)
	EGT-375/500	2-1/2	3.05 (77.5)	2.88 (73.0)	3.63 (92.1)
	EGT-750	2-1/2	3.05 (77.5)	3.50 (88.9)	4.50 (114.3)
SFA30	EGT-093	3	3.58 (90.9)	1.19 (30.2)	1.56 (39.7)
	EGT-125	3	3.58 (90.9)	2.00 (50.8)	2.63 (66.8)
	EGT-187/250	3	3.58 (90.9)	2.56 (64.5)	3.31 (84.1)
	EGT-375/500	3	3.58 (90.9)	2.88 (73.0)	3.63 (92.1)
	EGT-750	3	3.58 (90.9)	3.50 (88.9)	4.50 (114.3)
SFA40	EGT-093	4	4.68 (119.0)	1.19 (30.2)	1.56 (39.7)
	EGT-125	4	4.68 (119.0)	2.00 (50.8)	2.63 (66.8)
	EGT-187/250	4	4.68 (119.0)	2.56 (64.5)	3.31 (84.1)
	EGT-375/500	4	4.68 (119.0)	2.88 (73.0)	3.63 (92.1)
	EGT-750	4	4.68 (119.0)	3.50 (88.9)	4.50 (114.3)



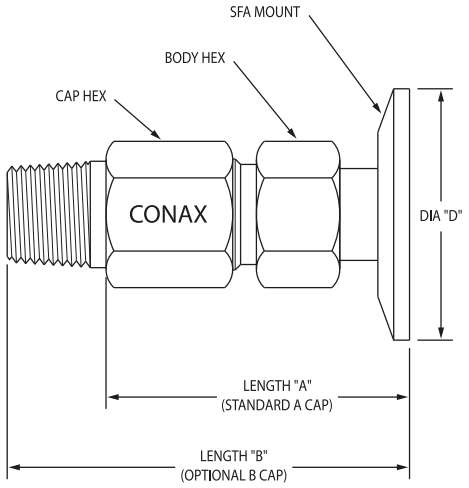
MHC GLANDS

Flange Selection Guide

Conax Flange Style: Tube O.D.:	SFA05 1/2 & 3/4	SFA10 1 & 1-1/2	SFA20 2	SFA25 2-1/2	SFA30 3	SFA40 4
MHC1	X	X	X	X	X	X
MHC2		X	X	X	X	X
MHC4		X	X	X	X	X
MHC5		X	X	X	X	X

Dimensions – Inches (mm)

Flange	Gland Type	Number of Holes	Size Tube O.D.	D Diameter	Overall Length A-Cap	Overall Length B-Cap
SFA05	MHC1-020/032	2,4	1/2 & 3/4	0.98 (24.9)	1.38 (35.1)	1.75 (44.4)
	MHC1-062	1	1/2 & 3/4	0.98 (24.9)	1.38 (35.1)	1.75 (44.4)
SFA10	MHC1-020/032	2,4	1 & 1-1/2	1.98 (50.3)	1.38 (35.1)	1.75 (44.4)
	MHC1-062	1	1 & 1-1/2	1.98 (50.3)	1.38 (35.1)	1.75 (44.4)
	MHC2-020/032	2,4	1 & 1-1/2	1.98 (50.3)	2.00 (50.8)	2.63 (66.8)
	MHC2-062	1	1 & 1-1/2	1.98 (50.3)	2.00 (50.8)	2.63 (66.8)
	MHC4-032/040	6,8	1 & 1-1/2	1.98 (50.3)	2.63 (66.8)	3.38 (85.9)
	MHC4-062	2,3,4	1 & 1-1/2	1.98 (50.3)	2.63 (66.8)	3.38 (85.9)
	MHC5-032	16	1 & 1-1/2	1.98 (50.3)	2.88 (73.2)	3.63 (92.2)
	MHC5-062	6,8	1 & 1-1/2	1.98 (50.3)	2.88 (73.2)	3.63 (92.2)
	MHC5-125	2	1 & 1-1/2	1.98 (50.3)	2.88 (73.2)	3.63 (92.2)
SFA20	MHC1-020/032	2,4	2	2.52 (64.0)	1.38 (35.1)	1.75 (44.4)
	MHC1-062	1	2	2.52 (64.0)	1.38 (35.1)	1.75 (44.4)
	MHC2-020/032	2,4	2	2.52 (64.0)	2.00 (50.8)	2.63 (66.8)
	MHC2-062	1	2	2.52 (64.0)	2.00 (50.8)	2.63 (66.8)
	MHC4-032/040	6,8	2	2.52 (64.0)	2.63 (66.8)	3.38 (85.9)
	MHC4-062	2,3,4	2	2.52 (64.0)	2.63 (66.8)	3.38 (85.9)
	MHC5-032	16	2	2.52 (64.0)	2.88 (73.2)	3.63 (92.2)
	MHC5-062	6,8	2	2.52 (64.0)	2.88 (73.2)	3.63 (92.2)
	MHC5-125	2	2	2.52 (64.0)	2.88 (73.2)	3.63 (92.2)
SFA25	MHC1-020/032	2,4	2-1/2	3.05 (77.5)	1.38 (35.1)	1.75 (44.4)
	MHC1-062	1	2-1/2	3.05 (77.5)	1.38 (35.1)	1.75 (44.4)
	MHC2-020/032	2,4	2-1/2	3.05 (77.5)	2.00 (50.8)	2.63 (66.8)
	MHC2-062	1	2-1/2	3.05 (77.5)	2.00 (50.8)	2.63 (66.8)
	MHC4-032/040	6,8	2-1/2	3.05 (77.5)	2.63 (66.8)	3.38 (85.9)
	MHC4-062	2,3,4	2-1/2	3.05 (77.5)	2.63 (66.8)	3.38 (85.9)
	MHC5-032	16	2-1/2	3.05 (77.5)	2.88 (73.2)	3.63 (92.2)
	MHC5-062	6,8	2-1/2	3.05 (77.5)	2.88 (73.2)	3.63 (92.2)
	MHC5-125	2	2-1/2	3.05 (77.5)	2.88 (73.2)	3.63 (92.2)
SFA30	MHC1-020/032	2,4	3	3.58 (90.9)	1.38 (35.1)	1.75 (44.4)
	MHC1-062	1	3	3.58 (90.9)	1.38 (35.1)	1.75 (44.4)
	MHC2-020/032	2,4	3	3.58 (90.9)	2.00 (50.8)	2.63 (66.8)
	MHC2-062	1	3	3.58 (90.9)	2.00 (50.8)	2.63 (66.8)
	MHC4-032/040	6,8	3	3.58 (90.9)	2.63 (66.8)	3.38 (85.9)
	MHC4-062	2,3,4	3	3.58 (90.9)	2.63 (66.8)	3.38 (85.9)
	MHC5-032	16	3	3.58 (90.9)	2.88 (73.2)	3.63 (92.2)
	MHC5-062	6,8	3	3.58 (90.9)	2.88 (73.2)	3.63 (92.2)
	MHC5-125	2	3	3.58 (90.9)	2.88 (73.2)	3.63 (92.2)
SFA40	MHC1-020/032	2,4	4	4.68 (119.0)	1.38 (35.1)	1.75 (44.4)
	MHC1-062	1	4	4.68 (119.0)	1.38 (35.1)	1.75 (44.4)
	MHC2-020/032	2,4	4	4.68 (119.0)	2.00 (50.8)	2.63 (66.8)
	MHC2-062	1	4	4.68 (119.0)	2.00 (50.8)	2.63 (66.8)
	MHC4-032/040	6,8	4	4.68 (119.0)	2.63 (66.8)	3.38 (85.9)
	MHC4-062	2,3,4	4	4.68 (119.0)	2.63 (66.8)	3.38 (85.9)
	MHC5-032	16	4	4.68 (119.0)	2.88 (73.2)	3.63 (92.2)
	MHC5-062	6,8	4	4.68 (119.0)	2.88 (73.2)	3.63 (92.2)
	MHC5-125	2	4	4.68 (119.0)	2.88 (73.2)	3.63 (92.2)



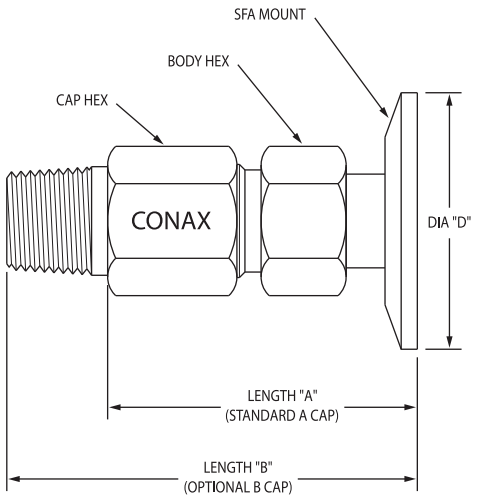
MHM GLANDS

Flange Selection Guide

Flange Style Tube O.D.	SFA10 1 & 1-1/2	SFA20 2	SFA25 2-1/2	SFA30 3	SFA40 4
MHM2	X	X	X	X	X
MHM4	X	X	X	X	X
MHM5	X	X	X	X	X
MHM6		X	X	X	X

Dimensions – Inches (mm)

Flange	Gland Type	Tube O.D.	Diameter "D"	Length A-Cap	Overall Length B-Cap
SFA10	MHM2	1 & 1-1/2	1.98 (50.3)	2.00 (50.8)	2.63 (66.8)
	MHM4	1 & 1-1/2	1.98 (50.3)	2.56 (65.0)	3.38 (85.6)
	MHM5	1 & 1-1/2	1.98 (50.3)	3.31 (84.1)	4.19 (106.0)
SFA20	MHM2	2	2.52 (64.0)	2.00 (50.8)	2.63 (66.8)
	MHM4	2	2.52 (64.0)	2.56 (65.0)	3.38 (85.6)
	MHM5	2	2.52 (64.0)	3.31 (84.1)	4.19 (106.0)
	MHM6	2	2.52 (64.0)	3.75 (95.3)	5.00 (127.0)
SFA25	MHM2	2-1/2	3.05 (77.5)	2.00 (50.8)	2.63 (66.8)
	MHM4	2-1/2	3.05 (77.5)	2.56 (65.0)	3.38 (85.6)
	MHM5	2-1/2	3.05 (77.5)	3.31 (84.1)	4.19 (106.0)
	MHM6	2-1/2	3.05 (77.5)	3.75 (95.3)	5.00 (127.0)
SFA30	MHM2	3	3.58 (90.9)	2.00 (50.8)	2.63 (66.8)
	MHM4	3	3.58 (90.9)	2.56 (65.0)	3.38 (85.6)
	MHM5	3	3.58 (90.9)	3.31 (84.1)	4.19 (106.0)
	MHM6	3	3.58 (90.9)	3.75 (95.3)	5.00 (127.0)
SFA40	MHM2	4	4.68 (119.0)	2.00 (50.8)	2.63 (66.8)
	MHM4	4	4.68 (119.0)	2.56 (65.0)	3.38 (85.6)
	MHM5	4	4.68 (119.0)	3.31 (84.1)	4.19 (106.0)
	MHM6	4	4.68 (119.0)	3.75 (95.3)	5.00 (127.0)



PL GLANDS

Flange Selection Guide

Conax Flange Style: Tube O.D.:	Number of Wires	SFA05 1/2 & 3/4	SFA10 1 & 1-1/2	SFA20 2	SFA25 2-1/2	SFA30 3	SFA40 4
PL-20	2-18		X	X	X	X	X
PL-18	1	X	X	X	X	X	X
PL-18	2-12		X	X	X	X	X
PL-16	2-12		X	X	X	X	X
PL-14	1	X	X	X	X	X	X
PL-14	2-12		X	X	X	X	X
PL-12	2-6		X	X	X	X	X
PL-10	2-4		X	X	X	X	X
PL-8	2,3		X	X	X	X	X

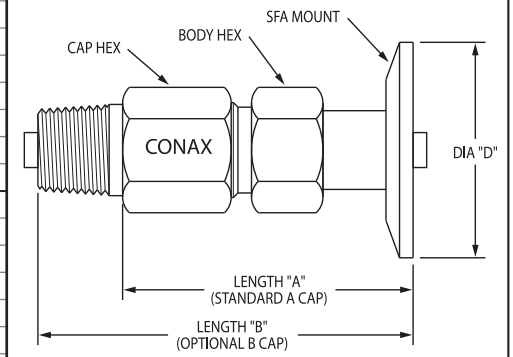
Dimensions – Inches (mm)

Flange	Gland Type	Number of Holes	Size Tube O.D.	D Diameter	Overall Length A-Cap	Overall Length B-Cap
SFA05	PL-18/14	1	1/2 & 3/4	0.98 (24.9)	1.38 (35.1)	1.75 (44.5)
SFA10	PL-18/14	1	1 & 1-1/2	1.98 (50.3)	1.38 (35.1)	1.75 (44.5)
	PL-20/18/16	2,3,4	1 & 1-1/2	1.98 (50.3)	2.63 (66.8)	3.38 (85.9)
	PL-14	2	1 & 1-1/2	1.98 (50.3)	2.63 (66.8)	3.38 (85.9)
	PL-14	3,4	1 & 1-1/2	1.98 (50.3)	2.88 (73.2)	3.63 (92.2)
	PL-20/18/16/14	6,8	1 & 1-1/2	1.98 (50.3)	2.88 (73.2)	3.63 (92.2)
	PL-20	18	1 & 1-1/2	1.98 (50.3)	2.88 (73.2)	3.63 (92.2)
	PL-18/16/14	10,12	1 & 1-1/2	1.98 (50.3)	2.88 (73.2)	3.63 (92.2)
	PL-12	2,3,4,6	1 & 1-1/2	1.98 (50.3)	2.88 (73.2)	3.63 (92.2)
	PL-10	2,3,4	1 & 1-1/2	1.98 (50.3)	2.88 (73.2)	3.63 (92.2)
	PL-8	2	1 & 1-1/2	1.98 (50.3)	2.88 (73.2)	3.63 (92.2)
	PL-8	3	1 & 1-1/2	1.98 (50.3)	2.88 (73.2)	3.63 (92.2)
SFA20	PL-18/14	1	2	2.52 (64.0)	1.38 (35.1)	1.75 (44.5)
	PL-20/18/16	2,3,4	2	2.52 (64.0)	2.63 (66.8)	3.38 (85.9)
	PL-14	2	2	2.52 (64.0)	2.63 (66.8)	3.38 (85.9)
	PL-14	3,4	2	2.52 (64.0)	2.88 (73.2)	3.63 (92.2)
	PL-20/18/16/14	6,8	2	2.52 (64.0)	2.88 (73.2)	3.63 (92.2)
	PL-20	18	2	2.52 (64.0)	2.88 (73.2)	3.63 (92.2)
	PL-18/16/14	10,12	2	2.52 (64.0)	2.88 (73.2)	3.63 (92.2)
	PL-12	2,3,4,6	2	2.52 (64.0)	2.88 (73.2)	3.63 (92.2)
	PL-10	2,3,4	2	2.52 (64.0)	2.88 (73.2)	3.63 (92.2)
	PL-8	2	2	2.52 (64.0)	2.88 (73.2)	3.63 (92.2)
	PL-8	3	2	2.52 (64.0)	2.88 (73.2)	3.63 (92.2)
SFA25	PL-18/14	1	2-1/2	3.05 (77.5)	1.38 (35.1)	1.75 (44.5)
	PL-20/18/16	2,3,4	2-1/2	3.05 (77.5)	2.63 (66.8)	3.38 (85.9)
	PL-14	2	2-1/2	3.05 (77.5)	2.63 (66.8)	3.38 (85.9)
	PL-14	3,4	2-1/2	3.05 (77.5)	2.88 (73.2)	3.63 (92.2)
	PL-20/18/16/14	6,8	2-1/2	3.05 (77.5)	2.88 (73.2)	3.63 (92.2)
	PL-20	18	2-1/2	3.05 (77.5)	2.88 (73.2)	3.63 (92.2)
	PL-18/16/14	10,12	2-1/2	3.05 (77.5)	2.88 (73.2)	3.63 (92.2)
	PL-12	2,3,4,6	2-1/2	3.05 (77.5)	2.88 (73.2)	3.63 (92.2)
	PL-10	2,3,4	2-1/2	3.05 (77.5)	2.88 (73.2)	3.63 (92.2)
	PL-8	2	2-1/2	3.05 (77.5)	2.88 (73.2)	3.63 (92.2)
	PL-8	3	2-1/2	3.05 (77.5)	2.88 (73.2)	3.63 (92.2)

PL GLANDS (cont.)

Dimensions – Inches (mm)

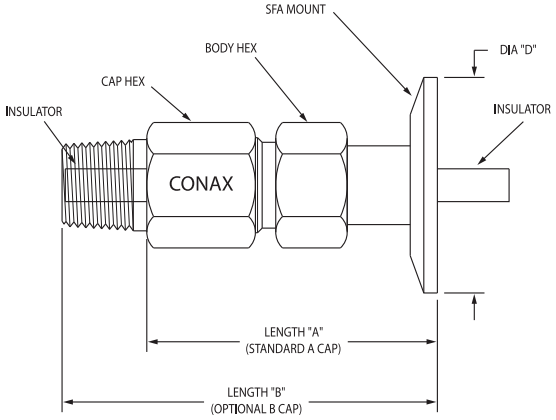
Flange	Gland Type	Number of Holes	Size Tube O.D.	D Diameter	Overall Length A-Cap	Overall Length B-Cap
SFA30	PL-18/14	1	3	3.58 (90.9)	1.38 (35.1)	1.75 (44.5)
	PL-20/18/16	2,3,4	3	3.58 (90.9)	2.63 (66.8)	3.38 (85.9)
	PL-14	2	3	3.58 (90.9)	2.63 (66.8)	3.38 (85.9)
	PL-14	3,4	3	3.58 (90.9)	2.88 (73.2)	3.63 (92.2)
	PL-20/18/16/14	6,8	3	3.58 (90.9)	2.88 (73.2)	3.63 (92.2)
	PL-20	18	3	3.58 (90.9)	2.88 (73.2)	3.63 (92.2)
	PL-18/16/14	10,12	3	3.58 (90.9)	2.88 (73.2)	3.63 (92.2)
	PL-12	2,3,4,6	3	3.58 (90.9)	2.88 (73.2)	3.63 (92.2)
	PL-10	2,3,4	3	3.58 (90.9)	2.88 (73.2)	3.63 (92.2)
	PL-8	2	3	3.58 (90.9)	2.88 (73.2)	3.63 (92.2)
	PL-8	3	3	3.58 (90.9)	2.88 (73.2)	3.63 (92.2)
SFA40	PL-18/14	1	4	4.68 (119.0)	1.38 (35.1)	1.75 (44.5)
	PL-20/18/16	2,3,4	4	4.68 (119.0)	2.63 (66.8)	3.38 (85.9)
	PL-14	2	4	4.68 (119.0)	2.63 (66.8)	3.38 (85.9)
	PL-14	3,4	4	4.68 (119.0)	2.88 (73.2)	3.63 (92.2)
	PL-20/18/16/14	6,8	4	4.68 (119.0)	2.88 (73.2)	3.63 (92.2)
	PL-20	18	4	4.68 (119.0)	2.88 (73.2)	3.63 (92.2)
	PL-18/16/14	10,12	4	4.68 (119.0)	2.88 (73.2)	3.63 (92.2)
	PL-12	2,3,4,6	4	4.68 (119.0)	2.88 (73.2)	3.63 (92.2)
	PL-10	2,3,4	4	4.68 (119.0)	2.88 (73.2)	3.63 (92.2)
	PL-8	2	4	4.68 (119.0)	2.88 (73.2)	3.63 (92.2)
	PL-8	3	4	4.68 (119.0)	2.88 (73.2)	3.63 (92.2)



TG GLANDS

Flange Selection Guide

Flange Style: Tube O.D.:	Number of Holes	SFA05 1/2 & 3/4	SFA10 1 & 1-1/2	SFA20 2	SFA25 2-1/2	SFA30 3	SFA40 4
MTG-24	2,4	X	X	X	X	X	X
MTG-20	2,4	X	X	X	X	X	X
MTG-14	1	X	X	X	X	X	X
TG-24	2,4		X	X	X	X	X
TG-20	2,4		X	X	X	X	X
TG-20	6,8		X	X	X	X	X
TG-20	16		X	X	X	X	X
TG-18	6,8		X	X	X	X	X
TG-14	1		X	X	X	X	X
TG-14	2,3,4		X	X	X	X	X
TG-14	6,8		X	X	X	X	X
TG-8	2		X	X	X	X	X



TG GLANDS (cont.)

Dimensions – Inches (mm)

Flange	Gland Type	Number of Holes	Size Tube O.D.	D Diameter	Overall Length A-Cap	Overall Length B-Cap
SFA05	MTG-24/20	2,4	1/2 & 3/4	0.98 (24.9)	1.38 (35.1)	1.75 (44.4)
	MTG-14	1	1/2 & 3/4	0.98 (24.9)	1.38 (35.1)	1.75 (44.4)
SFA10	MTG-24/20	2,4	1 & 1-1/2	1.98 (50.3)	1.38 (35.1)	1.75 (44.4)
	MTG-14	1	1 & 1-1/2	1.98 (50.3)	1.38 (35.1)	1.75 (44.4)
	TG-24/20	2,4	1 & 1-1/2	1.98 (50.3)	2.00 (50.8)	2.63 (66.8)
	TG-14	1	1 & 1-1/2	1.98 (50.3)	2.00 (50.8)	2.63 (66.8)
	TG-20/18	6,8	1 & 1-1/2	1.98 (50.3)	2.63 (66.8)	3.38 (85.9)
	TG-14	2,3,4	1 & 1-1/2	1.98 (50.3)	2.63 (66.8)	3.38 (85.9)
	TG-20	16	1 & 1-1/2	1.98 (50.3)	2.88 (73.2)	3.63 (92.2)
	TG-14	6,8	1 & 1-1/2	1.98 (50.3)	2.88 (73.2)	3.63 (92.2)
	TG-8	2	1 & 1-1/2	1.98 (50.3)	2.88 (73.2)	3.63 (92.2)
SFA20	MTG-24/20	2,4	2	2.52 (64.0)	1.38 (35.1)	1.75 (44.4)
	MTG-14	1	2	2.52 (64.0)	1.38 (35.1)	1.75 (44.4)
	TG-24/20	2,4	2	2.52 (64.0)	2.00 (50.8)	2.63 (66.8)
	TG-14	1	2	2.52 (64.0)	2.00 (50.8)	2.63 (66.8)
	TG-20/18	6,8	2	2.52 (64.0)	2.63 (66.8)	3.38 (85.9)
	TG-14	2,3,4	2	2.52 (64.0)	2.63 (66.8)	3.38 (85.9)
	TG-20	16	2	2.52 (64.0)	2.88 (73.2)	3.63 (92.2)
	TG-14	6,8	2	2.52 (64.0)	2.88 (73.2)	3.63 (92.2)
	TG-8	2	2	2.52 (64.0)	2.88 (73.2)	3.63 (92.2)
SFA25	MTG-24/20	2,4	2-1/2	3.05 (77.5)	1.38 (35.1)	1.75 (44.4)
	MTG-14	1	2-1/2	3.05 (77.5)	1.38 (35.1)	1.75 (44.4)
	TG-24/20	2,4	2-1/2	3.05 (77.5)	2.00 (50.8)	2.63 (66.8)
	TG-14	1	2-1/2	3.05 (77.5)	2.00 (50.8)	2.63 (66.8)
	TG-20/18	6,8	2-1/2	3.05 (77.5)	2.63 (66.8)	3.38 (85.9)
	TG-14	2,3,4	2-1/2	3.05 (77.5)	2.63 (66.8)	3.38 (85.9)
	TG-20	16	2-1/2	3.05 (77.5)	2.88 (73.2)	3.63 (92.2)
	TG-14	6,8	2-1/2	3.05 (77.5)	2.88 (73.2)	3.63 (92.2)
	TG-8	2	2-1/2	3.05 (77.5)	2.88 (73.2)	3.63 (92.2)
SFA30	MTG-24/20	2,4	3	3.58 (90.9)	1.38 (35.1)	1.75 (44.4)
	MTG-14	1	3	3.58 (90.9)	1.38 (35.1)	1.75 (44.4)
	TG-24/20	2,4	3	3.58 (90.9)	2.00 (50.8)	2.63 (66.8)
	TG-14	1	3	3.58 (90.9)	2.00 (50.8)	2.63 (66.8)
	TG-20/18	6,8	3	3.58 (90.9)	2.63 (66.8)	3.38 (85.9)
	TG-14	2,3,4	3	3.58 (90.9)	2.63 (66.8)	3.38 (85.9)
	TG-20	16	3	3.58 (90.9)	2.88 (73.2)	3.63 (92.2)
	TG-14	6,8	3	3.58 (90.9)	2.88 (73.2)	3.63 (92.2)
	TG-8	2	3	3.58 (90.9)	2.88 (73.2)	3.63 (92.2)
SFA40	MTG-24/20	2,4	4	4.68 (119.0)	1.38 (35.1)	1.75 (44.4)
	MTG-14	1	4	4.68 (119.0)	1.38 (35.1)	1.75 (44.4)
	TG-24/20	2,4	4	4.68 (119.0)	2.00 (50.8)	2.63 (66.8)
	TG-14	1	4	4.68 (119.0)	2.00 (50.8)	2.63 (66.8)
	TG-20/18	6,8	4	4.68 (119.0)	2.63 (66.8)	3.38 (85.9)
	TG-14	2,3,4	4	4.68 (119.0)	2.63 (66.8)	3.38 (85.9)
	TG-20	16	4	4.68 (119.0)	2.88 (73.2)	3.63 (92.2)
	TG-14	6,8	4	4.68 (119.0)	2.88 (73.2)	3.63 (92.2)
	TG-8	2	4	4.68 (119.0)	2.88 (73.2)	3.63 (92.2)

FLANGES ■ ASME/ANSI RAISED FACE FLANGE MOUNT

Conax Technologies' sealing glands can be welded or threaded to ASME B16.5 flanges to create a rugged mounting for environmental sealing and/or securing the position of instrumentation sensor probes. Use of flanges eliminates the need to weld mounting adapters to the pipe or vessel. Common applications include petrochemical processing and distribution, industrial furnaces, bulk cargo carriers, gas sampling coupons and gas storage silos.

Conax Technologies' ASME/ANSI flanges are constructed from 304SST, 316SST or carbon steel. Alternate materials and grades are available. Consult factory. Bodies are constructed from 316LSST standard for welded assemblies or 303SST standard for threaded glands (316LSST is available as an option on threaded assemblies). Caps and followers are constructed from 303SST standard. Optional materials are available. See page 9 for details.

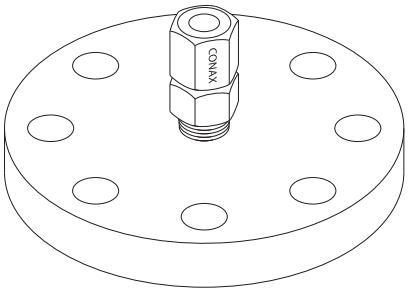
Single or multiple glands may be attached to the flange. Multiple glands may consist of multiple glands of the same type or a combination of various Conax Technologies sealing gland types.

- Specifications are shown here for Class 150 and Class 300 flanges. Class 600 – Class 2500 flanges are also available. Please consult factory.
- Pressure ratings for flange/gland combinations are determined by the lowest-rated element in the assembly (flange or gland). Flange pressure ratings may decrease when assembled with multiple sealing assemblies.
- Flat faced flanges are also available. Please consult factory.

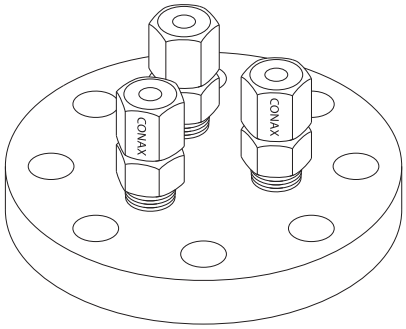
Catalog Numbering System Incorporating a Flange: PG Gland Example

Conax Technologies incorporates a flange into it's catalog numbering system by adding a parenthesis after the gland type. Inside the parenthesis is the information describing the flange (highlighted in grey).

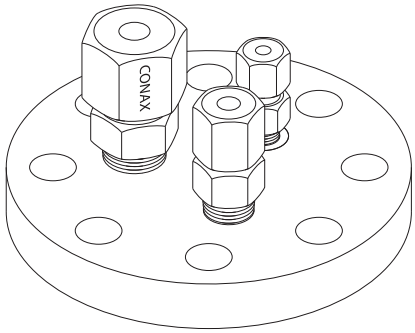
PG5	(	RF	1	15	T	CS	/	S303	)	500	A	V
PG Gland		*Flange Designator*	*Flange Class*	*Flange Pipe Size*	*Attachment Style*	*Flange Material of Construction*		*Gland Material of Construction*		*Diameter of Tube or Probe*	*Cap Style*	*Sealant*



ASME/ANSI Flange with Single Gland



ASME/ANSI Flange with Multiple Glands (Same Size)



ASME/ANSI Flange with Multiple Glands (Different Sizes)

Note: Flange pressure ratings may decrease when assembled with multiple sealing assemblies.

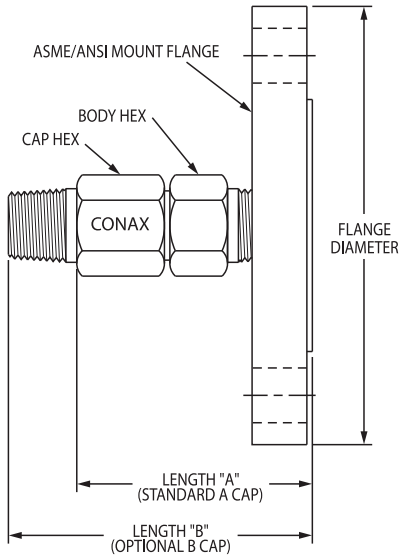
Threaded Flange Selection Guide

PART NUMBER	FLANGE SIZE	FLANGE THICKNESS IN	FLANGE THICKNESS MM	FLANGE DIAMETER IN	FLANGE DIAMETER MM	1/8 NPT	1/4 NPT	1/2 NPT	3/4 NPT	1 NPT	1-1/4 NPT	1-1/2 NPT	2 NPT
RF14	1/2 - 150#	0.438	11.1	3.500	88.9	X		X					
RF15	3/4 - 150#	0.500	12.7	3.875	98.4	X			X				
RF16	1 - 150#	0.563	14.3	4.250	108.0	X	X			X			
RF18	1-1/2 - 150#	0.688	17.5	5.000	127.0	X	X	X	X			X	
RF19	2 - 150#	0.750	19.1	6.000	152.4	X	X	X	X				X
RF111	3 - 150#	0.938	23.8	7.500	190.5	X	X	X	X	X			
RF113	4 - 150#	0.938	23.8	9.000	228.6	X	X	X	X	X	X		
RF114	5 - 150#	0.938	23.8	10.000	254.0	X	X	X	X	X	X	X	
RF115	6 - 150#	1.000	25.4	11.000	279.4	X	X	X	X	X	X	X	X
RF24	1/2 - 300#	0.563	14.3	3.750	95.3	X	X	X					
RF25	3/4 - 300#	0.625	15.9	4.625	117.5	X	X		X				
RF26	1 - 300#	0.688	17.5	4.875	123.8	X	X	X	X	X			
RF28	1-1/2 - 300#	0.813	20.7	6.125	155.6	X	X	X	X	X		X	
RF29	2 - 300#	0.875	22.2	6.500	165.1	X	X	X	X	X			X
RF211	3 - 300#	1.125	28.6	8.250	209.6	X	X	X	X	X			
RF213	4 - 300#	1.250	31.8	10.000	254.0	X	X	X	X	X	X		
RF214	5 - 300#	1.375	34.9	11.000	279.4	X	X	X	X	X	X	X	
RF215	6 - 300#	1.438	36.5	12.500	317.5	X	X	X	X	X	X	X	X

Important! Determining the Length of an Assembly

Calculate the overall length of a compression seal joined to a flange by using this formula and the length of the thread engagement from the chart below.

Length 'A' or 'B' = Gland Length + Flange Thickness – Thread Engagement



Example: PG Gland with ASME/ANSI Raised Flange

Thread Engagement Chart

NPT	IN	MM
1/16"	0.27	6.4
1/8"	0.27	6.4
1/4"	0.39	9.9
1/2"	0.53	13.5
3/4"	0.55	14.0
1"	0.66	16.8
1-1/4"	0.68	17.3
1-1/2"	0.68	17.3
2"	0.70	17.8

Replacement Sealants

The replaceable sealant used in Conax Technologies sealing assemblies allows repeated use of the same fitting. Replacement sealants are available in Neoprene, Viton, PTFE, Lava or Grafoil, depending on the sealing assembly type. Instructions on how to order replacement sealants are provided in the catalog section for the appropriate gland series.

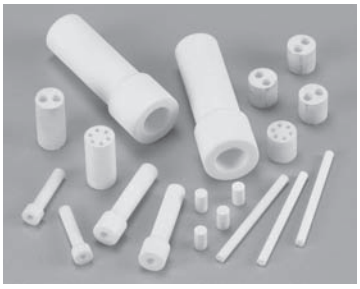
Replacement Packing Sets

Replacement Packing Sets for MHC, TG, PL and EG series assemblies consist of one replacement sealant with the appropriate number of ceramic insulators for that specific assembly.

Replacement Packing Sets for MHM, SPG, DSPG and PGS series assemblies consist of one replacement sealant with a seat and follower.

Replacement sealants provided in the packing sets are available in Neoprene, Viton, PTFE , Lava or Grafoil, depending on the sealing assembly type. Instructions on how to order replacement packing sets are provided in the catalog section for the appropriate gland series.

Replacement Insulators



In addition to Replacement Packing Sets, Conax Technologies can supply individual Alumina (AL_2O_3) Ceramic Insulators appropriate for use with copper wire, thermocouple wire for thermocouple calibrations J, K E, T, R, S, B and C, or electrodes.

To order replacement insulators, order
Insulator, (Gland) – (Wire Gauge) – (Number of Holes)

Example: Insulator, TG-20-2

Please specify if the insulators are to be used with Grafoil sealants.

Replacement Conductors/Electrodes

Conax Technologies supplies conductors/electrodes for Conax EG and EGT assemblies in stainless steel, copper or nickel and in sizes from 0.093" to 1.00". Each set is supplied with 4 nuts and 4 washers.

To order replacement electrode, order Conductor, (Gland) – (Diameter) – (Material)

Example: Conductor, EGT-093-CU

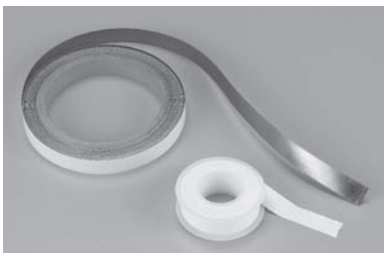
Electrode	Amperage Rating	Nuts/Washers
Copper	20 to 525 amps	Brass
Nickel	8 to 240 amps	Stainless Steel
Stainless Steel	3 to 72 amps	Stainless Steel

Power Lead/Insulated Wire

Conax Technologies can supply bulk Kapton-insulated, solid conductor power lead wire, rated to 600 volts, in wire gauges from 20 to 8. Minimum order is 50 ft.

Part Number	Gauge
44-0098-020-CU	20
44-0098-018-CU	18
44-0098-016-CU	16
44-0098-014-CU	14
44-0098-012-CU	12
44-0098-010-CU	10
44-0098-008-CU	8

Thread Seal Materials



Use of mounting thread environmental seal materials maximizes the efficiency of the NPT seal. Conax Technologies recommends PTFE tape for use up to 450˚ F (232˚ C) and Grafoil tape for use between 450˚ F (232˚ C) and 900˚ F (482˚ C).

Part Number	Material	Width	Length of Roll	Temperature Range
44-0135-001	PTFE	0.5"	40 ft.	-300˚ F to +450˚ F (-184˚ C to +232˚ C)
47-0040-001	Grafoil	0.5"	25 ft.	-400˚ F to +925˚ F (-240˚ C to +496˚ C)

Torque Wrenches and Adaptors

For the convenience of our customers, Conax Technologies offers Stanley® PROTO® Micrometer Ratchet Head "Click" Style Torque Wrenches and associated socket adaptors. When the desired torque is reached, the wrench produces an audible click and a "feel impulse" and the wrench automatically resets.

- Retains calibration for 30,000 cycles under normal use
- Clockwise and counter-clockwise torque capability
- Ratchet wheels are made from tool steel for strength and durability
- Bimaterial grip handles for non-slip grip
- Positive locking mechanism – dial and lock in the desired torque
- Dual scale
- Calibrated to ±3% of torque reading clockwise and ±6% counter-clockwise at 20% to 100% of full scale.

Wrenches

Part Number	Torque Range English	Torque Range Metric	Drive Size	Length (inches)
CV-0105-1	40-200 in.-lbs.	58-242 cmkg	1/4	11-3/8
CV-0105-2	20-100 ft.-lbs.	3.5-14.5 mkg	3/8	16-7/16
CV-0105-3	30-150 ft.-lbs.	4.8-21.4 mkg	1/2	20-3/4
CV-0105-4	60-300 ft.-lbs.	10.4-43.6 mkg	3/4	32-11/16
CV-0105-5	90-600 ft.-lbs.	14.5-85.0 mkg	3/4	41-1/2

Socket Adaptors

Part Number	Female to Male Drive
CV-0106-1	1/4F to 3/8M
CV-0106-2	1/2F to 3/8M

Standard offering 150 PSI (10 BAR).
Higher pressures available, consult the factory.

Hex Reducer Bushings

Conax Technologies supplies stainless steel reducer bushings used to reduce large NPT sizes to smaller NPT sizes.

Part Number	Size
6812-01	1/8 NPT x 1/4 NPT
6812-02	1/8 NPT x 1/2 NPT
6812-03	1/8 NPT x 3/4 NPT
6812-04	1/4 NPT x 1/2 NPT
6812-05	1/4 NPT x 3/4 NPT
6812-06	1/2 NPT x 3/4 NPT
6812-07	1/2 NPT x 1" NPT
6812-08	3/4 NPT x 1" NPT

Hex Reducer Adaptors

Conax Technologies supplies stainless steel reducer adaptors used to reduce large NPT sizes to smaller NPT sizes.

Part Number	Size
319006-001	1/4 NPT x 1/16 NPT
319006-005	1/2 NPT x 1/8 NPT
319006-006	1/2 NPT x 1/4 NPT
319006-007	1/2 NPT x 3/8 NPT
319006-009	3/4 NPT x 3/8 NPT
319006-010	3/4 NPT x 1/2 NPT

Sealing Gland Lubrication Kit

Conax Technologies sealing assemblies are supplied factory lubricated. This lubricant is used on the internal cap threads and followers to reduce friction at metal-to-metal contact points and to ensure maximum transfer of torque for sealant compression when screwing the assembly together. If cleaned before assembly or any time the gland is loosened and retorqued, the assembly should be relubricated. The same lubricant used by the factory can be purchased in small, one-application disposable packages with the applicator included. The use of this convenient kit ensures consistent sealing performance without the need to purchase and store large quantities of lubricant.

Part Number 19-0001-001

KF Flange Accessories

Blank Flange

Stainless steel blanks (304SST) are provided to cap off KF flange mounts when not in use.

Flange Style	ISO Equivalent	Part Number
KF6W	NW25	318921-002
KF8W	NW40	318921-003
KF9W	NW50	318921-004

O-Rings

Conax Technologies offers Viton replacement O-rings for KF Flanges. Buna-N O-rings are also available. Please consult factory.

Flange Style	ISO Equivalent	Part Number
KF6W	NW25	47-0067-003-VTN
KF8W	NW40	47-0067-004-VTN
KF9W	NW50	47-0067-005-VTN

Centering Ring/O-Ring Assemblies

Conax Technologies offers stainless steel centering ring assemblies with Viton O-ring included. Buna-N O-rings are also available. Please consult factory.

Flange Style	ISO Equivalent	Part Number
KF6W	NW25	47-0066-003-VTN
KF8W	NW40	47-0066-004-VTN
KF9W	NW50	47-0066-005-VTN

Clamps

KF Quick Clamps feature all-aluminum construction and wing nut closure.

Flange Style	ISO Equivalent	Part Number
KF6W	NW25	48-0071-002
KF8W	NW40	48-0071-003
KF9W	NW50	48-0071-004

CF Flange Accessories

Blank Flange

Conax Technologies provides non-rotatable blanks with clearance holes to cap off CF flange mounts when not in use.

Flange Style	Equivalent	Part Number
CFNC1	NW16F	318743-001
CFNC2	NW25F	318744-001
CFNC3	NW35F	310218-001
CFNC4	NW50F	41-0019-001
CFNC5	NW63F	41-0020-001

Gaskets

Oxygen-free copper and Viton gaskets are available for use with CF flanges.

Gasket Material	Flange Style	Equivalent	Part Number
Copper	CFNC1	NW16F	47-0068-001-CU
Copper	CFNC2	NW25F	47-0068-002-CU
Copper	CFNC3	NW35F	47-0068-003-CU
Copper	CFNC4	NW50F	47-0068-004-CU
Copper	CFNC5	NW63F	47-0068-005-CU
Viton	CFNC1	NW16F	47-0068-001-VTN
Viton	CFNC2	NW25F	47-0068-002-VTN
Viton	CFNC3	NW35F	47-0068-003-VTN
Viton	CFNC4	NW50F	47-0068-004-VTN
Viton	CFNC5	NW63F	47-0068-005-VTN

Sanitary Flange Assemblies

Blank Flange

Conax Technologies offers 16AMP solid end caps in 316LSST or 304SST to cap off SFA flange mounts when not in use.

Flange Style	Tube O.D IN	Tube O.D MM	Part Number (316LSST)	Part Number (304SST)
SFA05	1/2 & 3/4	12.7 & 19.5	313131-003	313131-012
SFA10	1 & 1-1/2	25.4 & 19.1	313131-004	313131-013
SFA20	2	50.80	313131-001	313131-010
SFA25	2-1/2	63.50	313131-005	313131-014
SFA30	3	76.20	313131-002	313131-011
SFA40	4	101.60	313131-006	313131-015

Clamps for Sanitary (SFA) Flanges

Conax Technologies offers two types of clamps for sanitary flange assemblies. The high pressure clamp is constructed from 304SST and incorporates a twin bolt design. A heavy weight clamp for lower pressures is also available.

High Pressure Clamp

Flange Style	Tube OD IN	Tube OD MM	Pressure Rating at 70º F (21º C) PSIG	at 70º F (21º C) BAR	at 250º F (121ºC) PSIG	at 250º F (121ºC) BAR	Part Number
SFA10	1 & 1.5	25.4 & 38.1	1,500	103	1,200	83	48-0069-001
SFA20	2.00	50.8	1,000	69	800	55	48-0069-002
SFA25	2.50	63.5	1,000	69	800	55	48-0069-003
SFA30	3.00	76.2	1,000	69	800	55	48-0069-004
SFA40	4.00	101.6	800	55	600	41	48-0069-005

**Bolts tightened to 20 ft-lbs torque.*

Heavy Weight Clamp

Flange Style	Tube OD IN	Tube OD MM	Pressure Rating at 70º F (21º C) PSIG	at 70º F (21º C) BAR	at 250º F (121ºC) PSIG	at 250º F (121ºC) BAR	Part Number
SFA10	1 & 1.5	25.4 & 38.1	500	34	300	21	48-0070-001
SFA20	2.00	50.8	450	31	300	21	48-0070-002
SFA25	2.50	63.5	400	28	200	14	48-0070-003
SFA30	3.00	76.2	350	24	195	13	48-0070-004
SFA40	4.00	101.6	250	17	150	10	48-0070-005

**Wing nut tightened to 25-in-lbs.*

Clamp Gaskets for Sanitary Flange Clamps

Clamp gaskets for high pressure sanitary flange clamps are offered in Viton and Buna-N. Other available materials include PTFE, silicone rubber and EP rubber (EPDM). Please consult the factory for information on gaskets made from these materials.

Flange Style	Tube O.D. IN	Tube O.D. MM	Part Number (Buna-N)	Part Number (Viton)
SFA10	1 & 1-1/2	25.4 & 38.1	47-0065-001-NBR	47-0065-001-VTN
SFA20	2	50.80	47-0065-002-NBR	47-0065-002-VTN
SFA25	2-1/2	63.50	47-0065-003-NBR	47-0065-003-VTN
SFA30	3	76.20	47-0065-004-NBR	47-0065-004-VTN
SFA40	4	101.60	47-0065-005-NBR	47-0065-005-VTN

ASSEMBLY INSTRUCTIONS