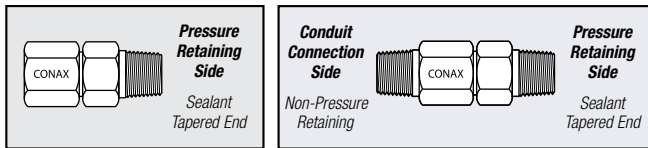


PG Single element sealing

Conax Technologies Model PG Fittings, also known as packing glands, provide pressure/vacuum sealing for tubes, probes, pipe, cable or any single element assembly (not electrically isolating), including thermocouples, RTDs, thermometers, thermistor probes, capillary tubes, tubewells, multi-pair cables and analyzer sample tubes. PG Fittings seal against gases and liquids and resist element movement under pressure.

PG Fitting bodies with NPT threads or SAE threads are constructed from 303 SST standard. Weld neck style fitting bodies are constructed from 316L SST standard. Followers for all styles are constructed from 303 SST standard. Many optional materials are also available, including 316L SST, MONEL™ 405, HASTELLOY™ C276, INCONEL™ and more. For information on alternative materials, see page 9. Cap Style A offers a mounting thread only. Cap Style B provides threading on both ends for attachment to conduit or terminal heads.



Type A cap has mounting thread only.

Type B has cap end threaded. B Cap NPT matches the standard mounting NPT.

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

- Temperature Range: -400 °F to +1600 °F (-240 °C to +870 °C), depending on sealant used. See page 10 for details.
- Pressure Range: Vacuum to 10,000 PSIG (690 bar)—see Pressure Ratings in Specification Charts.

Accessories

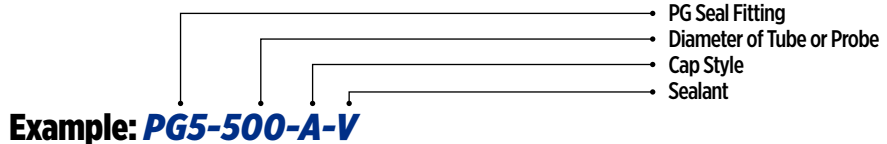
The replaceable sealant permits repeated use of the same fitting. Assembly is simple and may be done in the field. Simply insert the element and torque the cap. To replace the sealant and/or element, simply loosen the cap, replace the necessary items, relubricate and retorque the cap.

Fittings are supplied factory lubricated. When reused, the fittings should be relubricated to maintain published torque and pressure ratings. If fittings are cleaned prior to assembly, they should be relubricated. On weld mount models, the heat from the welding process will destroy the lubricant. These models must also be relubricated prior to use. See page 107 for information on our lubrication kit.

To order Replacement Sealant, order RS - (Fitting) - (Diameter) - (Sealant).

Example: RS-MPG-125-V

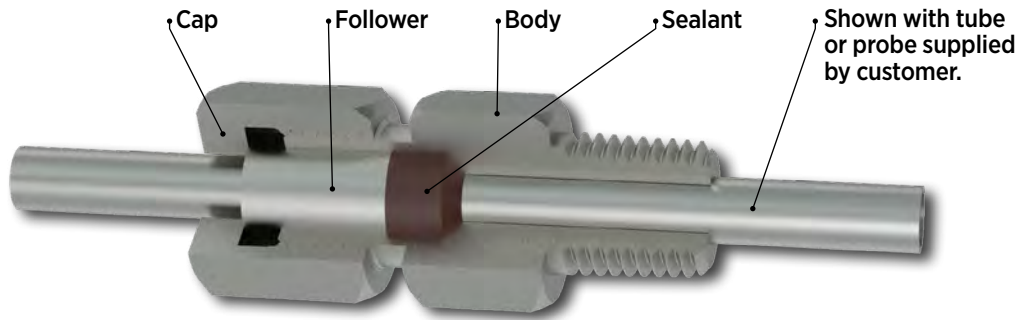
Catalog Numbering System



PG Seal Fitting	Diameter of Tube or Probe			Cap Style	Sealant
MIC 0.040 to 0.062 bore sizes	(in thousandths of an inch)	(in metric bore)	(in pipe size)	A Has mounting thread only	V Viton™
MPG 0.039 to 0.187 bore sizes	Blank	039 1 mm	12P 1/8" pipe	B Has cap end threaded	N Neoprene
PG2 0.118 to 0.250 bore sizes	040	118 3 mm	25P 1/4" pipe		T Teflon™
PG4 0.187 to 0.375 bore sizes	062	236 6 mm	37P 3/8" pipe		L Lava
PG5 0.375 to 0.750 bore sizes	093	Custom bore sizes also available. Blanks are provided with no hole in the body, follower and sealant.			G GraFoil™
	125				Other sealant materials also available.
	187				
	250				
	312				
	375				
	500				
	625				
	750				

Note: These seal fittings are available with flanges. See pages 85-107 for flange options.
MIC not available in Neoprene or Teflon™.

Modifiers are added in parentheses to indicate optional mounting methods. See pages 9-11. See Specification Charts for the proper modifiers.



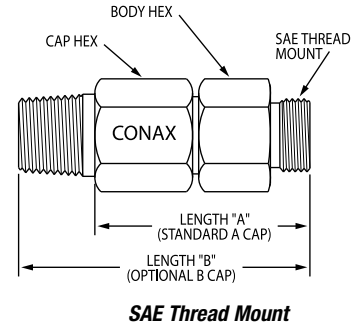
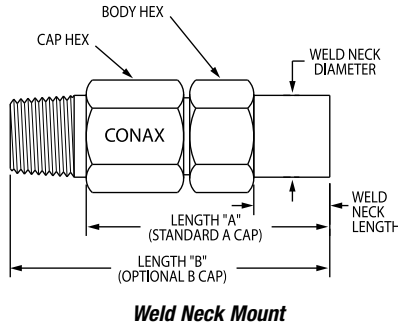
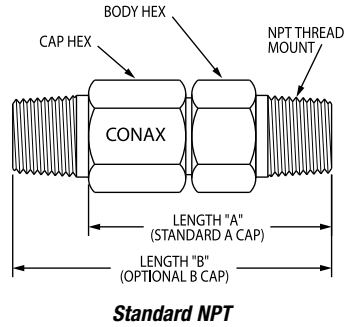
PG Selection Guide		Bore Diameter (thousands of an inch)																		
Model	NPT Size*	BLANK	039	040	062	093	118	125	187	236	250	312	375	12P	500	25P	625	37P	750	
MIC	1/16"			X	X															
MPG	1/8"	X	X	X	X	X	X	X	X											
PG2	1/4"	X					X	X	X	X	X									
PG4	1/2"	X							X	X	X	X	X	X						
PG5	3/4"	X											X	X	X	X	X	X	X	X

*These are the standard mounting ports for these models. Optional reduced mounting ports may also be available. See the Specification Charts on the subsequent pages for details.

PG Series Sealant Selection Guide	
Material	Temperature Range
Lava (L)	-300 °F to +1600 °F (-185 °C to +870 °C)
Teflon™ (T)	-300 °F to +450 °F (-185 °C to +232 °C)
Neoprene (N)	-40 °F to +200 °F (-40 °C to +93 °C)
Viton™ (V)	-10 °F to +450 °F (-12 °C to +232 °C)
GraFoil™ (G)	-400 °F to +925 °F in air, +3000 °F in inert or reducing atm. (-240 °C to +495 °C in air, +1650 °C in inert or reducing atm.)



Specifications



PG Series Catalog Number	Tube/Probe		Length				Hex Size				Pressure Rating									
	IN	MM	IN	MM	IN	MM	Body IN	Cap IN	Body MM	Cap MM	Neoprene PSIG	Neoprene BAR	Viton™ PSIG	Viton™ BAR	Teflon™ PSIG	Teflon™ BAR	Lava PSIG	Lava BAR	GraFoil™ PSIG	GraFoil™ BAR
Bore Sizes 0.040 to 0.062 – Model MIC																				
Standard 1/16" NPT																				
MIC-040	0.040	1.02	0.94	23.8	N/A	N/A	0.375	0.343	9.5	8.7	N/A	N/A	N/A	N/A	3,200	220	8,000	551	N/A	N/A
MIC-062	0.062	1.57	0.94	23.8	N/A	N/A	0.375	0.343	9.5	8.7	N/A	N/A	N/A	N/A	3,200	220	8,000	551	10,000	689
Bore Sizes 0.039 to 0.187 – Model MPG																				
Standard 1/8" NPT																				
MPG-BLANK	N/A	N/A	1.19	30.2	1.56	39.7	0.500	0.500	12.7	12.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MPG-039	0.039	0.99	1.19	30.2	1.56	39.7	0.500	0.500	12.7	12.7	2,000	138	1,600	110	1,600	110	2,800	193	1,600	110
MPG-040	0.040	1.02	1.19	30.2	1.56	39.7	0.500	0.500	12.7	12.7	2,000	138	1,600	110	1,600	110	2,800	193	1,600	110
MPG-062	0.062	1.57	1.19	30.2	1.56	39.7	0.500	0.500	12.7	12.7	1,600	110	2,800	193	1,600	110	3,200	220	2,000	138
MPG-093	0.093	2.36	1.19	30.2	1.56	39.7	0.500	0.500	12.7	12.7	1,200	83	1,200	83	800	55	2,000	138	2,400	165
MPG-118	0.118	3.00	1.19	30.2	1.56	39.7	0.500	0.500	12.7	12.7	1,200	83	1,200	83	800	55	2,000	138	2,400	165
MPG-125	0.125	3.18	1.19	30.2	1.56	39.7	0.500	0.500	12.7	12.7	1,200	83	1,200	83	800	55	2,000	138	2,400	165
MPG-187	0.187	4.75	1.19	30.2	1.56	39.7	0.500	0.500	12.7	12.7	1,200	83	1,500	103	1,500	103	2,000	138	800	55
Weld Neck Mount (Weld Neck Length 0.39", Diameter 0.405")*																				
MPG(SWM1/S316L)-BLANK	N/A	N/A	1.19	30.2	1.56	39.7	0.500	0.500	12.7	12.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MPG(SWM1/S316L)-039	0.039	0.99	1.19	30.2	1.56	39.7	0.500	0.500	12.7	12.7	2,000	138	1,600	110	1,600	110	2,800	193	1,600	110
MPG(SWM1/S316L)-040	0.040	1.02	1.19	30.2	1.56	39.7	0.500	0.500	12.7	12.7	2,000	138	1,600	110	1,600	110	2,800	193	1,600	110
MPG(SWM1/S316L)-062	0.062	1.57	1.19	30.2	1.56	39.7	0.500	0.500	12.7	12.7	1,600	110	2,800	193	1,600	110	3,200	220	2,000	138
MPG(SWM1/S316L)-093	0.093	2.36	1.19	30.2	1.56	39.7	0.500	0.500	12.7	12.7	1,200	83	1,200	83	800	55	2,000	138	2,400	165
MPG(SWM1/S316L)-118	0.118	3.00	1.19	30.2	1.56	39.7	0.500	0.500	12.7	12.7	1,200	83	1,200	83	800	55	2,000	138	2,400	165
MPG(SWM1/S316L)-125	0.125	3.18	1.19	30.2	1.56	39.7	0.500	0.500	12.7	12.7	1,200	83	1,200	83	800	55	2,000	138	2,400	165
MPG(SWM1/S316L)-187	0.187	4.75	1.19	30.2	1.56	39.7	0.500	0.500	12.7	12.7	1,200	83	1,500	103	1,500	103	2,000	138	800	55
SAE 3/8-24 Thread Mount (formerly MS)																				
MPG(MSE3/-)-BLANK	N/A	N/A	1.19	30.2	1.56	39.7	0.625	0.500	15.9	12.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MPG(MSE3/-)-040	0.040	1.02	1.19	30.2	1.56	39.7	0.625	0.500	15.9	12.7	2,000	138	1,600	110	1,600	110	2,800	193	1,600	110
MPG(MSE3/-)-062	0.062	1.57	1.19	30.2	1.56	39.7	0.625	0.500	15.9	12.7	1,600	110	2,800	193	1,600	110	3,200	220	2,000	138
SAE 7/16-20 Thread Mount (formerly MS)																				
MPG(MSE4/-)-BLANK	N/A	N/A	1.25	31.8	1.63	41.3	0.688	0.500	17.5	12.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MPG(MSE4/-)-093	0.093	2.36	1.25	31.8	1.63	41.3	0.688	0.500	17.5	12.7	1,200	83	1,200	83	800	55	2,000	138	2,400	165
MPG(MSE4/-)-125	0.125	3.18	1.25	31.8	1.63	41.3	0.688	0.500	17.5	12.7	1,200	83	1,200	83	800	55	2,000	138	2,400	165
SAE 1/2-20 Thread Mount (formerly MS)																				
MPG(MSE5/-)-BLANK	N/A	N/A	1.25	31.8	1.63	41.3	0.750	0.500	19.1	12.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MPG(MSE5/-)-187	0.187	4.75	1.25	31.8	1.63	41.3	0.750	0.500	19.1	12.7	1,200	83	1,500	103	1,500	103	2,000	138	800	55

Note: The pressure and torque ratings provided in this catalog apply only when bores are drilled by Conax Technologies. Custom bore sizes and/or a blank body, follower and/or sealant may be provided. Consult factory.

*Weld neck models require lubrication prior to use.
N/A = Not Applicable.

PG Series Catalog Number	Tube/Probe		Length				Hex Size				Pressure Rating									
	Diameter		Length A		Length B		Body		Cap		Neoprene		Viton™		Teflon™		Lava		GraFoil™	
	IN	MM	IN	MM	IN	MM	IN	IN	MM	MM	PSIG	BAR	PSIG	BAR	PSIG	BAR	PSIG	BAR	PSIG	BAR
Bore Sizes 0.118 to 0.250 – Model PG2																				
Standard 1/4" NPT																				
PG2-BLANK	N/A	N/A	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PG2-118	0.118	3.00	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	2,800	193	2,800	193	1,600	110	9,000	620	8,000	551
PG2-125	0.125	3.18	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	2,800	193	2,800	193	1,600	110	9,000	620	8,000	551
PG2-187	0.187	4.75	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	2,000	138	4,500	310	1,600	110	8,800	606	4,000	276
PG2-236	0.236	5.99	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	1,800	124	3,000	207	1,200	83	7,500	517	4,000	276
PG2-250	0.250	6.35	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	1,600	110	2,000	138	800	55	7,500	517	4,000	276
PG2 with Optional 1/8" NPT																				
PG2(PTM1)-118	0.118	3.00	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	2,800	193	2,800	193	1,600	110	9,000	620	8,000	551
PG2(PTM1)-125	0.125	3.18	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	2,800	193	2,800	193	1,600	110	9,000	620	8,000	551
PG2(PTM1)-187	0.187	4.75	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	2,000	138	4,500	310	1,600	110	8,800	606	4,000	276
PG2(PTM1)-236	0.236	5.99	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	1,800	124	3,000	207	1,200	83	7,500	517	4,000	276
PG2(PTM1)-250	0.250	6.35	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	1,600	110	2,000	138	800	55	7,500	517	4,000	276
PG2 with Optional 3/8" NPT																				
PG2(PTM3)-118	0.118	3.00	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	2,800	193	2,800	193	1,600	110	9,000	620	8,000	551
PG2(PTM3)-125	0.125	3.18	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	2,800	193	2,800	193	1,600	110	9,000	620	8,000	551
PG2(PTM3)-187	0.187	4.75	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	2,000	138	4,500	310	1,600	110	8,800	606	4,000	276
PG2(PTM3)-236	0.236	5.99	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	1,800	124	3,000	207	1,200	83	7,500	517	4,000	276
PG2(PTM3)-250	0.250	6.35	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	1,600	110	2,000	138	800	55	7,500	517	4,000	276
Weld Neck Mount (Weld Neck Length 0.59", Diameter 0.540")*																				
PG2(SWM2/S316L)-BLANK	N/A	N/A	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PG2(SWM2/S316L)-118	0.118	3.00	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	2,800	193	2,800	193	1,600	110	9,000	620	8,000	551
PG2(SWM2/S316L)-125	0.125	3.18	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	2,800	193	2,800	193	1,600	110	9,000	620	8,000	551
PG2(SWM2/S316L)-187	0.187	4.75	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	2,000	138	4,500	310	1,600	110	8,800	606	4,000	276
PG2(SWM2/S316L)-236	0.236	5.99	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	1,800	124	3,000	207	1,200	83	7,500	517	4,000	276
PG2(SWM2/S316L)-250	0.250	6.35	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	1,600	110	2,000	138	800	55	7,500	517	4,000	276
SAE 7/16-20 Thread Mount (formerly MS)																				
PG2(MSE4)-BLANK	N/A	N/A	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PG2(MSE4)-125	0.125	3.18	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	2,800	193	2,800	193	1,600	110	9,000	620	8,000	551
SAE 1/2-20 Thread Mount (formerly MS)																				
PG2(MSE5)-BLANK	N/A	N/A	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PG2(MSE5)-187	0.187	4.75	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	2,000	138	4,500	310	1,600	110	8,800	606	4,000	276
SAE 9/16-18 Thread Mount (formerly MS)																				
PG2(MSE6)-BLANK	N/A	N/A	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PG2(MSE6)-250	0.250	6.35	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	1,600	110	2,000	138	800	55	7,500	517	4,000	276
Bore Sizes 0.187 to 0.375 (1/8 Pipe) – Model PG4																				
Standard 1/2" NPT																				
PG4-BLANK	N/A	N/A	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PG4-187	0.187	4.75	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,500	103	1,500	103	2,400	165	10,000	689	8,000	551
PG4-236	0.236	5.99	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,500	103	1,500	103	1,600	110	10,000	689	7,500	517
PG4-250	0.250	6.35	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,500	103	1,500	103	1,600	110	10,000	689	7,500	517
PG4-312	0.312	7.92	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,200	83	1,200	83	2,000	138	10,000	689	7,000	482
PG4-375	0.375	9.53	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,200	83	500	34	1,400	96	7,500	517	4,500	310
PG4-12P	0.405	10.29	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F

Note: The pressure and torque ratings provided in this catalog apply only when bores are drilled by Conax Technologies. Custom bore sizes and/or a blank body, follower and/or sealant may be provided. Consult factory.

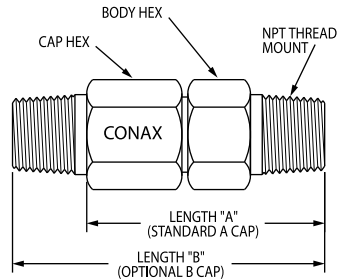
* Weld neck models require lubrication prior to use.

C/F = Consult Factory. N/A = Not Applicable.

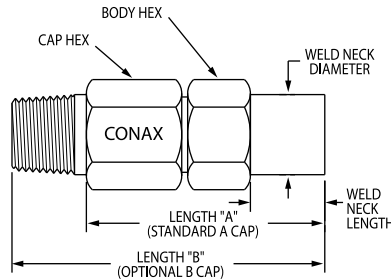
All pressure and torque ratings were determined at 68 °F (20 °C) using stainless steel rod as the element. Pressure ratings may degrade at higher temperatures. Pressure rating guide values are provided for fittings with elements restrained by the compressed sealant. Higher pressure may be attained with additional element restraints. Tolerance of tube or probe diameter is ±0.005 (±0.003 for diameters ≤ 0.040). Deviation from the nominal may affect pressure ratings. Standard OD tolerance of pipe is +0.015/-0.031". Consult factory for details.

CAUTION: When sealing on soft, fragile or crushable elements, catalog torques may not apply. When catalog torques are applied, compressed sealants generate considerable forces on the element to be sealed. These forces could result in damaging soft or fragile elements such as coax cables or thin-wall materials. Consult factory for these types of applications.

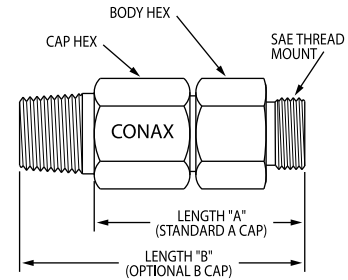
PG/HPG SERIES—SINGLE ELEMENT SEALING



Standard NPT



Weld Neck Mount



SAE Thread Mount

PG Series Catalog Number	Tube/Probe		Length				Hex Size				Pressure Rating										
	IN	MM	Length A		Length B		Body	Cap	Body	Cap	Neoprene		Viton™		Teflon™		Lava		GraFoil™		
			IN	MM	IN	MM	IN	IN	MM	MM	PSIG	BAR	PSIG	BAR	PSIG	BAR	PSIG	BAR	PSIG	BAR	
Bore Sizes 0.187" to 0.375" (1/8" Pipe) – Model PG4																					
PG4 with Optional 1/4" NPT																					
PG4(PTM2)-187	0.187	4.75	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,500	103	1,500	103	2,400	165	10,000	689	8,000	551	
PG4(PTM2)-236	0.236	5.99	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,500	103	1,500	103	1,600	110	10,000	689	7,500	517	
PG4(PTM2)-250	0.250	6.35	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,500	103	1,500	103	1,600	110	10,000	689	7,500	517	
PG4(PTM2)-312	0.312	7.92	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,200	83	1,200	83	2,000	138	10,000	689	7,000	482	
PG4(PTM2)-375	0.375	9.53	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,200	83	500	34	1,400	96	7,500	517	4,500	310	
PG4 with Optional 3/8" NPT																					
PG4(PTM3)-187	0.187	4.75	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,500	103	1,500	103	2,400	165	10,000	689	8,000	551	
PG4(PTM3)-236	0.236	5.99	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,500	103	1,500	103	1,600	110	10,000	689	7,500	517	
PG4(PTM3)-250	0.250	6.35	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,500	103	1,500	103	1,600	110	10,000	689	7,500	517	
PG4(PTM3)-312	0.312	7.92	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,200	83	1,200	83	2,000	138	10,000	689	7,000	482	
PG4(PTM3)-375	0.375	9.53	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,200	83	500	34	1,400	96	7,500	517	4,500	310	
PG4 with Optional 3/4" NPT																					
PG4(PTM5)-187	0.187	4.75	2.56	65.0	3.31	84.1	1.250	1.000	31.8	25.4	1,500	103	1,500	103	2,400	165	10,000	689	8,000	551	
PG4(PTM5)-236	0.236	5.99	2.56	65.0	3.31	84.1	1.250	1.000	31.8	25.4	1,500	103	1,500	103	1,600	110	10,000	689	7,500	517	
PG4(PTM5)-250	0.250	6.35	2.56	65.0	3.31	84.1	1.250	1.000	31.8	25.4	1,500	103	1,500	103	1,600	110	10,000	689	7,500	517	
PG4(PTM5)-312	0.312	7.92	2.56	65.0	3.31	84.1	1.250	1.000	31.8	25.4	1,200	83	1,200	83	2,000	138	10,000	689	7,000	482	
PG4(PTM5)-375	0.375	9.53	2.56	65.0	3.31	84.1	1.250	1.000	31.8	25.4	1,200	83	500	34	1,400	96	7,500	517	4,500	310	
Weld Neck Mount (Weld Neck Length 0.78", Diameter 0.84")*																					
PG4(SWM4/S316L)-BLANK	N/A	N/A	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
PG4(SWM4/S316L)-187	0.187	4.75	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,500	103	1,500	103	2,400	165	10,000	689	8,000	551	
PG4(SWM4/S316L)-236	0.236	5.99	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,500	103	1,500	103	1,600	110	10,000	689	7,500	517	
PG4(SWM4/S316L)-250	0.250	6.35	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,500	103	1,500	103	1,600	110	10,000	689	7,500	517	
PG4(SWM4/S316L)-312	0.312	7.92	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,200	83	1,200	83	2,000	138	10,000	689	7,000	482	
PG4(SWM4/S316L)-375	0.375	9.53	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,200	83	500	34	1,400	96	7,500	517	4,500	310	
PG4(SWM4/S316L)-12P	0.405	10.29	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F	
SAE 1/2-20 Thread Mount (formerly MS)																					
PG4(MSE5)-BLANK	N/A	N/A	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
PG4(MSE5)-187	0.187	4.75	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,500	103	1,500	103	2,400	165	9,138	630	8,000	551	
SAE 9/16-18 Thread Mount (formerly MS)																					
PG4(MSE6)-BLANK	N/A	N/A	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
PG4(MSE6)-250	0.250	6.35	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,500	103	1,500	103	1,600	110	9,138	630	7,500	517	
SAE 3/4-16 Thread Mount (formerly MS)																					
PG4(MSE8)-BLANK	N/A	N/A	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
PG4(MSE8)-312	0.312	7.92	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,200	83	1,200	83	2,000	138	9,138	630	7,000	482	
PG4(MSE8)-375	0.375	9.53	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	1,200	83	500	34	1,400	96	7,500	517	4,500	310	

Note: The pressure and torque ratings provided in this catalog apply only when bores are drilled by Conax Technologies. Custom bore sizes and/or a blank body, follower and/or sealant may be provided. Consult factory.

*Weld neck models require lubrication prior to use.
C/F = Consult Factory. N/A = Not Applicable.

PG Series Catalog Number	Tube/Probe		Length				Hex Size				Pressure Rating									
	Diameter		Length A		Length B		Body		Cap		Neoprene		Viton™		Teflon™		Lava		GraFoil™	
	IN	MM	IN	MM	IN	MM	IN	IN	MM	MM	PSIG	BAR	PSIG	BAR	PSIG	BAR	PSIG	BAR	PSIG	BAR
Bore Sizes 0.375" to 0.75" (1/8" TO 3/8" Pipe) – Model PG5																				
Standard 3/4" NPT																				
PG5-BLANK	N/A	N/A	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PG5-250	0.250	6.35	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	400	28	2,400	165	800	55	2,800	193	4,000	276
PG5-375	0.375	9.53	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	400	28	2,400	165	800	55	2,800	193	3,600	248
PG5-12P	0.405	10.29	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F
PG5-500	0.500	12.70	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	800	55	1,200	83	800	55	2,000	138	3,500	241
PG5-25P	0.540	13.72	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F
PG5-625	0.625	15.88	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	400	28	400	28	800	55	3,600	248	2,500	172
PG5-37P	0.675	17.15	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F
PG5-750	0.750	19.05	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	400	28	400	28	400	28	2,800	193	2,000	138
PG5 with Optional 1/2" NPT																				
PG5(PTM4)-250	0.250	6.35	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	400	28	2,400	165	800	55	2,800	193	1,200	83
PG5(PTM4)-375	0.375	9.53	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	400	28	2,400	165	800	55	2,800	193	1,200	83
PG5(PTM4)-500	0.500	12.70	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	800	55	1,200	83	800	55	2,000	138	1,200	83
PG5(PTM4)-625	0.625	15.88	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	400	28	400	28	800	55	3,600	248	1,200	83
PG5 with Optional 1" NPT																				
PG5(PTM6)-250	0.250	6.35	3.12	79.2	3.87	98.3	1.500	1.500	38.1	38.1	400	28	2,400	165	800	55	2,800	193	1,200	83
PG5(PTM6)-375	0.375	9.53	3.12	79.2	3.87	98.3	1.500	1.500	38.1	38.1	400	28	2,400	165	800	55	2,800	193	1,200	83
PG5(PTM6)-500	0.500	12.70	3.12	79.2	3.87	98.3	1.500	1.500	38.1	38.1	800	55	1,200	83	800	55	2,000	138	1,200	83
PG5(PTM6)-625	0.625	15.88	3.12	79.2	3.87	98.3	1.500	1.500	38.1	38.1	400	28	400	28	800	55	3,600	248	1,200	83
PG5(PTM6)-750	0.750	19.05	3.12	79.2	3.87	98.3	1.500	1.500	38.1	38.1	400	28	400	28	400	28	2,800	193	1,200	83
Weld Neck Mount (Weld Neck Length 0.79", Diameter 1.050")*																				
PG5(SWM5/S316L)-BLANK	N/A	N/A	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PG5(SWM5/S316L)-250	0.250	6.35	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	400	28	2,400	165	800	55	2,800	193	1,200	83
PG5(SWM5/S316L)-375	0.375	9.53	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	400	28	2,400	165	800	55	2,800	193	1,200	83
PG5(SWM5/S316L)-12P	0.405	10.29	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F
PG5(SWM5/S316L)-500	0.500	12.70	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	800	55	1,200	83	800	55	2,000	138	1,200	83
PG5(SWM5/S316L)-25P	0.540	13.72	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F
PG5(SWM5/S316L)-625	0.625	15.88	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	400	28	400	28	800	55	3,600	248	1,200	83
PG5(SWM5/S316L)-37P	0.675	17.15	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F	C/F
PG5(SWM5/S316L)-750	0.750	19.05	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	400	28	400	28	400	28	2,800	193	1,200	83
SAE 9/16-18 Thread Mount (formerly MS)																				
PG5(MSE6)-BLANK	N/A	N/A	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PG5(MSE6)-250	0.250	6.35	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	400	28	2,400	165	800	55	2,800	193	1,200	83
SAE 3/4-16 Thread Mount (formerly MS)																				
PG5(MSE8)-BLANK	N/A	N/A	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PG5(MSE8)-375	0.375	9.53	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	400	28	2,400	165	800	55	2,800	193	1,200	83
SAE 1-1/16-12 Thread Mount (formerly MS)																				
PG5(MSE12)-BLANK	N/A	N/A	2.88	73.0	3.63	92.1	1.375	1.500	34.9	38.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PG5(MSE12)-500	0.500	12.70	2.88	73.0	3.63	92.1	1.375	1.500	34.9	38.1	800	55	1,200	83	800	55	2,000	138	1,200	83
SAE 1-5/16-12 Thread Mount (formerly MS)																				
PG5(MSE16)-BLANK	N/A	N/A	2.88	73.0	3.63	92.1	1.625	1.500	41.3	38.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PG5(MSE16)-625	0.625	15.88	2.88	73.0	3.63	92.1	1.625	1.500	41.3	38.1	400	28	400	28	800	55	3,600	248	1,200	83
PG5(MSE16)-750	0.750	19.05	2.88	73.0	3.63	92.1	1.625	1.500	41.3	38.1	400	28	400	28	400	28	2,800	193	1,200	83

Note: The pressure and torque ratings provided in this catalog apply only when bores are drilled by Conax Technologies. Custom bore sizes and/or a blank body, follower and/or sealant may be provided. Consult factory.

* Weld neck models require lubrication prior to use.

C/F = Consult Factory. N/A = Not Applicable.

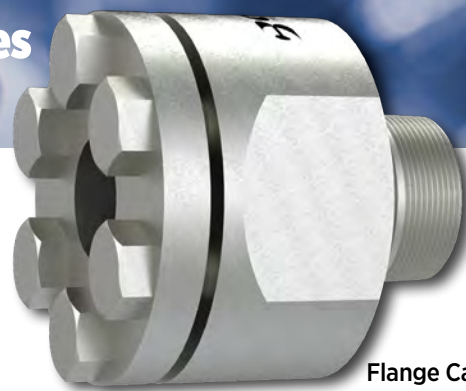
All pressure and torque ratings were determined at 68 °F (20 °C) using stainless steel rod as the element. Pressure ratings may degrade at higher temperatures. Pressure rating guide values are provided for fittings with elements restrained by the compressed sealant. Higher pressure may be attained with additional element restraints. Tolerance of tube or probe diameter is ±0.005 (±0.003 for diameters ≤0.040). Deviation from the nominal may affect pressure ratings. Standard OD tolerance of pipe is +0.015"/-0.031". Consult factory for details.

CAUTION: When sealing on soft, fragile or crushable elements, catalog torques may not apply. When catalog torques are applied, compressed sealants generate considerable forces on the element to be sealed. These forces could result in damaging soft or fragile elements such as coax cables or thin-wall materials. Consult factory for these types of applications.

PG Single element sealing—large bore sizes



Hex Cap Style



Flange Cap Style

Conax Technologies Large Bore PG Fittings were designed to seal on pipe, tubes or probes with diameters of 0.750" or greater. Originally designed for applications such as liquid or gas sampling, coupon insertion and securing of commercial pipe, these fittings generally operate at lower pressures than other PG Fittings. Their larger size and rugged design make them ideal for heavy duty industrial applications.

Model PG6 maintains the traditional hex style design. Model PG7 and up feature a flange cap design that provides ease of assembly and reduces the torque requirements that would be encountered with a hex design of that size. Threaded fitting bodies and followers are constructed from 303 SST standard. Bodies constructed of 316L SST are standard for the weld neck models and available as an option on threaded fittings.

Cap Style A offers a mounting thread only. Cap Style B provides threading on both ends for attachment to conduit or terminal heads.

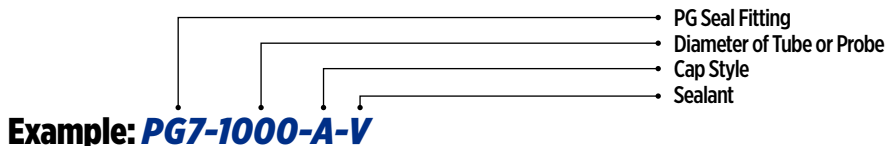
As always, custom materials, bore sizes and optional mounting configurations are available. Please consult a Conax Technologies sales engineer for custom needs.

Accessories

The replaceable sealant permits repeated use of the same fitting. Assembly is simple and may be done in the field. Simply insert the element and torque the cap or cap screws. Large bore fittings are offered with Viton™, Teflon™, Lava and GraFoil™ sealants. The Viton™ and Teflon™ sealants may be reused when the fitting is loosened and retorqued. GraFoil™ offers limited reusability. Due to its composition, Lava is not reusable in these applications.

Fittings are supplied factory lubricated. When reused, the fittings should be relubricated to maintain the published torque and pressure ratings. If fittings are cleaned prior to assembly, they should be relubricated. On weld mount models, the heat from the welding process will destroy the lubricant. These models must also be relubricated prior to use. See page 107 for information on our lubrication kit.

Catalog Numbering System

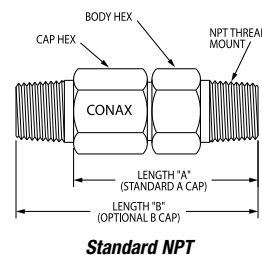


PG Seal Fitting	Diameter of Tube or Probe	Cap Style	Sealant
PG6 •0.750 to 1.000 bore sizes •1/2" pipe	(in thousandths of an inch) 750 875 1000 1250 1500 1750 2000 2250 2500 2750 3000	(in pipe size) 50P 1/2" pipe 75P 3/4" pipe 100P 1" pipe 125P 1-1/4" pipe 150P 1-1/2" pipe 200P 2" pipe 250P 2-1/2" pipe	V Viton™ T Teflon™ L Lava (not offered with PG6) G GraFoil™ (not offered with PG6)
PG7 •1.000 to 1.250 bore sizes •1/2" to 1" pipe		A Has mounting thread only B Has cap end threaded	
PG8 •1.250 to 1.500 bore sizes •1" pipe			
PG9 •1.500 to 1.750 bore sizes •1-1/4" to 1-1/2" pipe			
PG10 •1.750 to 3.000 bore sizes •1-1/2" to 2-1/2" pipe	Custom bore sizes also available.		

Modifiers are added in parentheses to indicate optional mounting methods. See Specification Charts for the proper modifiers.

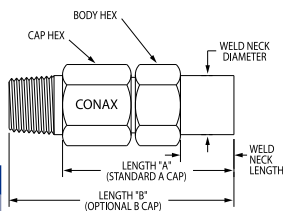
Specifications

PG Series Hex Style	Tube/Probe		Length				Hex Size				Pressure Rating								
	Diameter		Length A		Length B		Body		Cap		Viton™		Teflon™		Lava		GraFoil™		
	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	PSIG	BAR	PSIG	BAR	PSIG	BAR	PSIG	BAR	
Model PG6																			
Standard 1" NPT																			
PG6-750	0.750	19.05	3.50	88.9	4.50	114.3	1.750	2.000	44.5	50.8	1,000	69	400	28	N/A	N/A	C/F	C/F	
PG6-50P	0.840	21.34	3.50	88.9	4.50	114.3	1.750	2.000	44.5	50.8	1,000	69	400	28	N/A	N/A	C/F	C/F	
PG6-875	0.875	22.23	3.50	88.9	4.50	114.3	1.750	2.000	44.5	50.8	1,000	69	400	28	N/A	N/A	C/F	C/F	
PG6-1000	1.000	25.40	3.50	88.9	4.50	114.3	1.750	2.000	44.5	50.8	1,000	69	400	28	N/A	N/A	C/F	C/F	



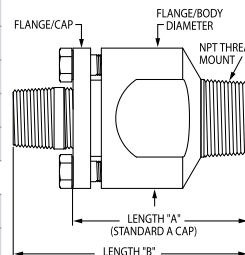
Standard NPT

Weld Neck Mount (Weld Neck Length 0.98", Diameter 1.315")*																			
PG6(SWM6/S316L)-750	0.750	19.05	3.50	88.9	4.50	114.3	1.750	2.000	44.5	50.8	1,000	69	400	28	N/A	N/A	C/F	C/F	
PG6(SWM6/S316L)-50P	0.840	21.34	3.50	88.9	4.50	114.3	1.750	2.000	44.5	50.8	1,000	69	400	28	N/A	N/A	C/F	C/F	
PG6(SWM6/S316L)-875	0.875	22.23	3.50	88.9	4.50	114.3	1.750	2.000	44.5	50.8	1,000	69	400	28	N/A	N/A	C/F	C/F	
PG6(SWM6/S316L)-1000	1.000	25.40	3.50	88.9	4.50	114.3	1.750	2.000	44.5	50.8	1,000	69	400	28	N/A	N/A	C/F	C/F	



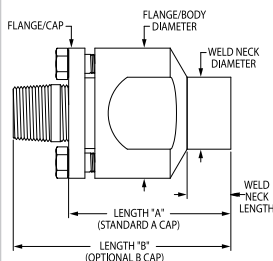
Weld Neck Mount

PG Series Flange Style	Tube/Probe		Length				Flange/Body		Pressure Rating										
	Diameter		Length A		Length B		Diameter		Viton™		Teflon™		Lava		GraFoil™				
	IN	MM	IN	MM	IN	MM	IN	MM	PSIG	BAR	PSIG	BAR	PSIG	BAR	PSIG	BAR			
Model PG7																			
Standard 1-1/4" NPT																			
PG7-50P	0.840	21.34	3.75	95.3	5.00	127.0	3.000	76.2	1,000	69	C/F	C/F	500	34	750	52			
PG7-1000	1.000	25.40	3.75	95.3	5.00	127.0	3.000	76.2	1,000	69	C/F	C/F	500	34	750	52			
PG7-75P	1.050	26.67	3.75	95.3	N/A	N/A	3.000	76.2	1,000	69	C/F	C/F	500	34	750	52			
PG7-1250	1.250	31.75	3.75	95.3	N/A	N/A	3.000	76.2	1,000	69	C/F	C/F	500	34	750	52			
PG7-100P	1.315	33.40	3.75	95.3	N/A	N/A	3.000	76.2	1,000	69	C/F	C/F	500	34	750	52			



Flange Style NPT

Weld Neck Mount (Weld Neck Length 1.01", Diameter 1.660")*																			
PG7(SWM7/S316L)-50P	0.840	21.34	3.75	95.3	5.00	127.0	3.000	76.2	1,000	69	C/F	C/F	500	34	750	52			
PG7(SWM7/S316L)-1000	1.000	25.40	3.75	95.3	5.00	127.0	3.000	76.2	1,000	69	C/F	C/F	500	34	750	52			
PG7(SWM7/S316L)-75P	1.050	26.67	3.75	95.3	N/A	N/A	3.000	76.2	1,000	69	C/F	C/F	500	34	750	52			
PG7(SWM7/S316L)-1250	1.250	31.75	3.75	95.3	N/A	N/A	3.000	76.2	1,000	69	C/F	C/F	500	34	750	52			
PG7(SWM7/S316L)-100P	1.315	33.40	3.75	95.3	N/A	N/A	3.000	76.2	1,000	69	C/F	C/F	500	34	750	52			



Flange Style Weld Neck Mount

Model PG8																			
Standard 1-1/2" NPT																			
PG8-1250	1.250	31.75	4.25	108.0	N/A	N/A	4.000	101.6											
PG8-100P	1.315	33.40	4.25	108.0	N/A	N/A	4.000	101.6											
PG8-1500	1.500	38.10	4.25	108.0	N/A	N/A	4.000	101.6											

Weld Neck Mount (Weld Neck Length 1.03", Diameter 1.900")*																			
PG8(SWM8/S316L)-1250	1.250	31.75	4.25	108.0	N/A	N/A	4.000	101.6											
PG8(SWM8/S316L)-100P	1.315	33.40	4.25	108.0	N/A	N/A	4.000	101.6											
PG8(SWM8/S316L)-1500	1.500	38.10	4.25	108.0	N/A	N/A	4.000	101.6											

Model PG9																			
Standard 2" NPT																			
PG9-1500	1.500	38.10	5.06	128.6	N/A	N/A	5.000	127.0											
PG9-125P	1.660	42.16	5.06	128.6	N/A	N/A	5.000	127.0											
PG9-1750	1.750	44.45	5.06	128.6	N/A	N/A	5.000	127.0											
PG9-150P	1.900	48.26	5.06	128.6	N/A	N/A	5.000	127.0											

Weld Neck Mount (Weld Neck Length 1.06", Diameter 2.375")*																			
PG9(SWM9/S316L)-1500	1.500	38.10	5.06	128.6	N/A	N/A	5.000	127.0											
PG9(SWM9/S316L)-125P	1.660	42.16	5.06	128.6	N/A	N/A	5.000	127.0											
PG9(SWM9/S316L)-1750	1.750	44.45	5.06	128.6	N/A	N/A	5.000	127.0											
PG9(SWM9/S316L)-150P	1.900	48.26	5.06	128.6	N/A	N/A	5.000	127.0											

Pressure ratings on large bore models may be influenced by numerous factors and are therefore application specific.

Please consult the factory for details.

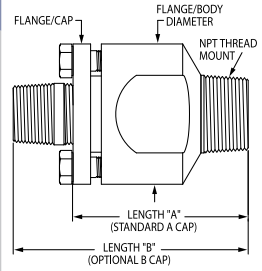
Note: The pressure and torque ratings provided in this catalog apply only when bores are drilled by Conax Technologies. Custom bore sizes and/or a blank body, follower and/or sealant may be provided. Consult factory.

* Weld neck models require lubrication prior to use.

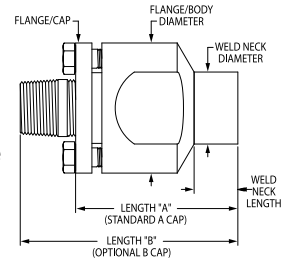
C/F = Consult Factory. N/A = Not Applicable.

All pressure and torque ratings were determined at 68 °F (20 °C) using stainless steel rod as the element. Pressure ratings may degrade at higher temperatures. Pressure rating guide values are provided for fittings with elements restrained by the compressed sealant. Higher pressure may be attained with additional element restraints. Tolerance of tube or probe diameter is ±0.005. Deviation from the nominal may affect pressure ratings. Standard OD tolerance of pipe is +0.015"/-0.031". Consult factory for details. For proper assembly of these seal fittings, see the Assembly Instructions provided on pages 112-126.

PG Series Flange Style	Tube/Probe		Length				Flange/Body		Pressure Rating							
	Diameter		Length A		Length B		Diameter		Viton™		Teflon™		Lava		GraFoil™	
	IN	MM	IN	MM	IN	MM	IN	MM	PSIG	BAR	PSIG	BAR	PSIG	BAR	PSIG	BAR
Model PG10																
Standard 3" NPT																
PG10-1750	1.750	44.45	6.80	172.7	N/A	N/A	6.000	152.4	<p>Pressure ratings on large bore models may be influenced by numerous factors and are therefore application specific.</p> <p>Please consult the factory for details.</p>							
PG10-2000	2.000	50.80	6.80	172.7	N/A	N/A	6.000	152.4								
PG10-2250	2.250	57.15	6.80	172.7	N/A	N/A	6.000	152.4								
PG10-200P	2.375	60.33	6.80	172.7	N/A	N/A	6.000	152.4								
PG10-2500	2.500	63.50	6.80	172.7	N/A	N/A	6.000	152.4								
PG10-2750	2.750	69.85	6.80	172.7	N/A	N/A	6.000	152.4								
PG10-250P	2.875	73.03	6.80	172.7	N/A	N/A	6.000	152.4								
PG10-3000	3.000	76.20	6.80	172.7	N/A	N/A	6.000	152.4								



Flange Style NPT



Flange Style Weld Neck Mount

Note: The pressure and torque ratings provided in this catalog apply only when bores are drilled by Conax Technologies. Custom bore sizes and/or a blank body, follower and/or sealant may be provided. Consult factory.

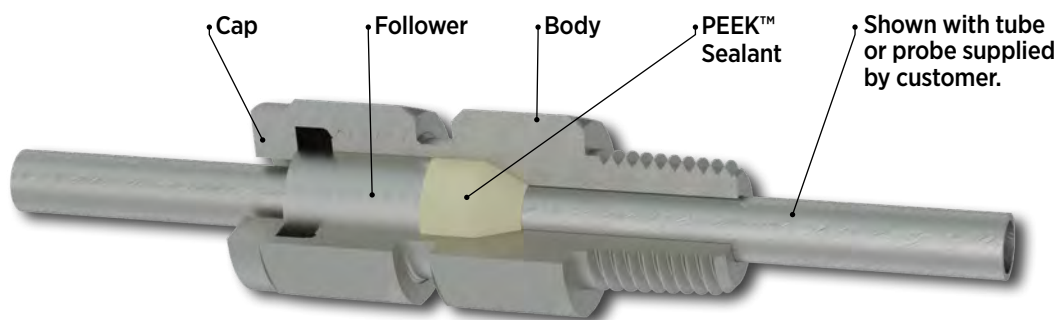
* Weld neck models require lubrication prior to use.

N/A = Not Applicable.

All pressure and torque ratings were determined at 68 °F (20 °C) using stainless steel rod as the element. Pressure ratings may degrade at higher temperatures. Pressure rating guide values are provided for fittings with elements restrained by the compressed sealant. Higher pressure may be attained with additional element restraints. Tolerance of tube or probe diameter is ±0.005. Deviation from the nominal may affect pressure ratings. Standard OD tolerance of pipe is +0.015"/-0.031". Consult factory for details. For proper assembly of these seal fittings, see the Assembly Instructions provided on pages 112-126.



HPG High-Performance PG Series



Employing PEEK™ as a sealant material, the HPG Fitting offers unique properties, such as chemical resistance rivaling Teflon™, higher operating temperatures, a lower expansion rate, and little to no cold flow. Optimizing the fitting design and using a PEEK™ sealant has resulted in an increase in pressure performance by as much as 1700% when compared to an equivalent conventional Conax PG Fitting with a Teflon™ sealant. A comparison table is included for reference. HPG Series bodies have special internal configuration for use with Conax PEEK™ sealants. Use of other parts or materials will result in lower to significantly lower pressure ratings.

The HPG Series Fitting is especially well suited to the unique

conditions found in furnaces, autoclaves, environmental chambers, oil and gas applications, and chemical and biochemical reactors; where process temperatures and pressures combine to create challenging environments.

In addition to the bore sizes listed, Conax can also provide fittings with metric or custom bore sizes. HPG Fittings are available with options similar to those available on our PG Fittings:

- Optional materials of construction, see page 9
- Optional mounting methods, see page 11

Fitting Example: HPG2-250-A-PK
To order a Replacement Sealant Example: RS-HPG2-250-PK

Specifications

HPG Series Hex Style	Tube/Probe		Length				Hex Size				Pressure Rating	
	Diameter		Length A		Length B		Body	Cap	Body	Cap	PEEK™	
	IN	MM	IN	MM	IN	MM	IN	IN	MM	MM	PSIG	BAR
HPG Models												
Standard 1/8" NPT												
HPG2(PTM1/-)-125	0.125	3.18	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	2,000	138
HPG2(PTM1/-)-187	0.187	4.75	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	5,600	386
Standard 1/4" NPT												
HPG2-125	0.125	3.18	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	2,000	138
HPG2-187	0.187	4.75	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	5,600	386
HPG2-250	0.250	6.35	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	5,600	386
Standard 3/8" NPT												
HPG2(PTM3/-)-125	0.125	3.18	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	2,000	138
HPG2(PTM3/-)-187	0.187	4.75	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	5,600	386
HPG2(PTM3/-)-250	0.250	6.35	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	5,600	386
HPG4(PTM3/-)-375	0.375	9.53	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	7,600	524
Standard 1/2" NPT												
HPG2(PTM4/-)-250	0.250	6.35	2.00	50.8	2.63	66.7	0.750	0.750	19.1	19.1	5,600	386
HPG4-375	0.375	9.53	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	7,600	524
HPG5(PTM4/-)-500	0.500	12.70	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	5,200	358
Standard 3/4" NPT												
HPG4(PTM5/-)-375	0.375	9.53	2.56	65.0	3.31	84.1	1.000	1.000	25.4	25.4	7,600	524
HPG5-500	0.500	12.70	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	5,200	358
HPG5-625	0.625	15.88	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	6,800	469
HPG5-750	0.750	19.05	2.88	73.0	3.63	92.1	1.250	1.500	31.8	38.1	7,200	496

Note: The pressure and torque ratings provided in this catalog apply only when bores are drilled by Conax Technologies. Custom bore sizes and/or a blank body, follower and/or sealant may be provided. Consult factory. All pressure and torque ratings were determined at 68 °F (20 °C) using stainless steel rod as the element. Pressure ratings may degrade at higher temperatures. Pressure rating guide values are provided for fittings with elements restrained by the compressed sealant. Higher pressure may be attained with additional element restraints. Tolerance of tube or probe diameter is ±0.005. Deviation from the nominal may affect pressure ratings. Standard OD tolerance of pipe is +0.015"/-0.031". Consult factory for details. For proper assembly of these sealing fittings, see the Assembly Instructions provided on pages 112-126.

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