

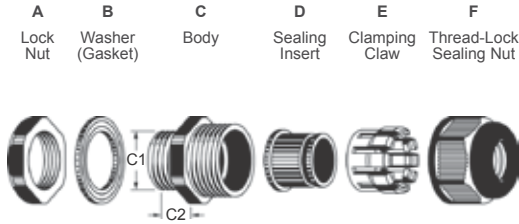
210-5020

Heat & Oil Resistant Cable Glands (A-Type)

PATENTED

Metric

PG



Viton®
fluoroelastomer

- Thread Type : Metric and PG.
- Material Data : Special heat resistance & high performance polyamide (Flammability UL 94V-2) for A.C.E.F parts ; Special heat & weather & oil & chemical resistance **Viton®** rubbers for B.D parts.
- IP Protection : IP68 - 5 bar.
- Working Temp. : - 20 °C to 150 °C (- 4 °F to 302 °F) ; intermittent to approx. 180 °C (356 °F).
- Application : The special body for this cable gland is made of high-performance & heat-resistance polyamide material to provide highest mechanical properties at high temperatures and an excellent resistance to wear and friction. Due to its very high material crystallinity, the polymer body is extremely good in durability and the resistances to both engine oil and diesel fuel, and has a light weight character to replace the metal cable gland. The gaskets are specially made of **Viton®** which is the most specified fluoroelastomer and well known for its outstanding heat resistance to 200°C (392°F) without any aging effect after a long period and resistant against aggressive fuels / chemicals. The combination of these two special king materials and accompanied with AVC's outstanding design in watertight and strain relief performance, they will be the unmatched long life cable entry systems for outdoor / indoor applications in the requirements of high heat & aggressive oils resistance such in automotive technology, machine, turbine, oil and petrochemical industry, etc.
- * Contact us for designing & ordering different sealing hole patterns with varying diameters & other extended gland sizes. (Sealing Inserts are not sold separately)
- * AVC sealing inserts are available in split versions for mounting wires with pre-assembled terminals or connectors. (Minimum order quantity is required)
- * For product property & chemical resistance informations, please click here for reference.
- * The Washer (Gasket) and Lock Nut are all included in each cable gland, this saves additional ordering work and storage locations.

Seal Holes	Thread	Cat. No.			Cable Range mmφ	Thread O. D. C1 mm	Panel Mounting Hole mm	Thread Length C2 mm	Spanner Size A / F mm	Body Min. I. D. mm	Std. Pkg. pcs
		Sizes		Green							
A TYPE	Short Thread	M16 X 1.5	MG16A - 06 - ST - FH	GN	7 ~ 5	16	16 ~ 16.3	10	22 / 22	10.5	50
		M20 X 1.5	MG16A - 10 - ST - FH	GN	10 ~ 7	16	16 ~ 16.3	10	22 / 22	10.5	50
		M25 X 1.5	MG20A - 14 - ST - FH	GN	14 ~ 11.5	20	20 ~ 20.3	10	27 / 27	14	50
			MG25A - 16 - ST - FH	GN	16 ~ 13	25	25 ~ 25.4	10	33 / 33	19	50
		M32 X 1.5	MG25A - 18 - ST - FH	GN	18 ~ 15	25	25 ~ 25.4	10	33 / 33	19	50
			MG32A - 22 - ST - FH	GN	22 ~ 17	32	32 ~ 32.4	11	41 / 42	25	10
	Long Thread	M12 X 1.5	MG32A - 25 - ST - FH	GN	25 ~ 21	32	32 ~ 32.4	11	41 / 42	25	10
			MG12A - 05 - FH	GN	5.3 ~ 4.2	12	12 ~ 12.3	9	18 / 19	7.8	50
		M16 X 1.5	MG12A - 08 - FH	GN	7.8 ~ 5.3	12	12 ~ 12.3	9	18 / 19	7.8	50
			MG16A - 06 - FH	GN	7 ~ 5	16	16 ~ 16.3	15	22 / 22	10.5	50
		M20 X 1.5	MG16A - 10 - FH	GN	10 ~ 7	16	16 ~ 16.3	15	22 / 22	10.5	50
			MG20AM - 08 - FH	GN	8.8 ~ 6.5	20	20 ~ 20.3	15	24 / 24	12.5	50
		M25 X 1.5	MG20AM - 11 - FH	GN	12 ~ 9.5	20	20 ~ 20.3	15	24 / 24	12.5	50
			MG20A - 14 - FH	GN	14 ~ 11.5	20	20 ~ 20.3	15	27 / 27	14	50
		M32 X 1.5	MG25A - 16 - FH	GN	16 ~ 13	25	25 ~ 25.4	15	33 / 33	19	50
			MG25A - 18 - FH	GN	18 ~ 15	25	25 ~ 25.4	15	33 / 33	19	50
	M32 X 1.5	MG32A - 22 - FH	GN	22 ~ 17	32	32 ~ 32.4	15	41 / 42	25	10	
		MG32A - 25 - FH	GN	25 ~ 21	32	32 ~ 32.4	15	41 / 42	25	10	
	PG	PG 7	PGA7 - 05 - FH	GN	5.3 ~ 4.2	12.5	12.5 ~ 12.8	8.5	17 / 19	8	50
			PGA7 - 08 - FH	GN	7.8 ~ 5.3	12.5	12.5 ~ 12.8	8.5	17 / 19	8	50
		PG 11	PGA11 - 06 - FH	GN	7 ~ 5	18.6	18.6 ~ 18.9	10	24 / 22	10.5	50
PGA11 - 10 - FH			GN	10 ~ 7	18.6	18.6 ~ 18.9	10	24 / 22	10.5	50	
PG 13.5		PGA13.5 - 08 - FH	GN	8.8 ~ 6.5	20.4	20.4 ~ 20.7	10	27 / 24	12.5	50	
		PGA13.5 - 11 - FH	GN	12 ~ 9.5	20.4	20.4 ~ 20.7	10	27 / 24	12.5	50	
PG 16		PGA16 - 14 - FH	GN	14 ~ 11.5	22.5	22.5 ~ 22.8	11	30 / 27	14	50	
PG 21		PGA21 - 16 - FH	GN	16 ~ 13	28.3	28.3 ~ 28.7	12.5	36 / 33	18.5	50	
	PGA21 - 18 - FH	GN	18 ~ 15	28.3	28.3 ~ 28.7	12.5	36 / 33	18.5	50		
PG 29	PGA29 - 22 - FH	GN	22 ~ 17	37	37 ~ 37.4	12	46 / 42	25	10		
	PGA29 - 25 - FH	GN	25 ~ 21	37	37 ~ 37.4	12	46 / 42	25	10		

210-5020

Heat & Oil Resistant Cable Glands (A-Type)

PATENTED

G (PF)

NPT



A Lock Nut
B Washer (Gasket)
C Body
D Sealing Insert
E Clamping Claw
F Thread-Lock Sealing Nut



Viton®
fluoroelastomer

- Thread Type : G (PF) and NPT (Without lock nut) .
 - Material Data : Special heat resistance & high performance polyamide (Flammability UL 94V-2) for A.C.E.F parts ; Special heat & weather & oil & chemical resistance Viton® rubbers for B.D parts.
 - IP Protection : IP68 - 5 bar.
 - Working Temp. : - 20 °C to 150 °C (- 4 °F to 302 °F) ; intermittent to approx. 180 °C (356 °F) .
 - Application : The special body for this cable gland is made of high-performance & heat-resistance polyamide material to provide highest mechanical properties at high temperatures and an excellent resistance to wear and friction. Due to its very high material crystallinity, the polymer body is extremely good in durability and the resistances to both engine oil and diesel fuel, and has a light weight character to replace the metal cable gland. The gaskets are specially made of Viton® which is the most specified fluoroelastomer and well known for its outstanding heat resistance to 200°C (392°F) without any aging effect after a long period and resistant against aggressive fuels / chemicals. The combination of these two special king materials and accompanied with AVC's outstanding design in watertight and strain relief performance, they will be the unmatched long life cable entry systems for outdoor / indoor applications in the requirements of high heat & aggressive oils resistance such in automotive technology, machine, turbine, oil and petrochemical industry, etc.
- * Contact us for designing & ordering different sealing hole patterns with varying diameters & other extended gland sizes. (Sealing Inserts are not sold separately)
 * AVC sealing inserts are available in split versions for mounting wires with pre-assembled terminals or connectors. (Minimum order quantity is required)
 * For product property & chemical resistance informations, please click here for reference.

Seal Holes	Thread	Cat. No.		Cable Range mmφ	Thread O. D. C1 mm	Panel Mounting Hole mm	Thread Length C2 mm	Spanner Size A / F mm	Body Min. I. D. mm	Std. Pkg. pcs	
		Sizes	Green								
A TYPE	G (PF)	1/4	FGA13 - 05 - FH	GN	5.3 ~ 4.2	13.157	13.2 ~ 13.4	9	19 / 19	8	50
			FGA13 - 08 - FH	GN	7.8 ~ 5.3	13.157	13.2 ~ 13.4	9	19 / 19	8	50
		3/8	FGA17 - 06 - FH	GN	7 ~ 5	16.662	16.7 ~ 16.9	10	22 / 22	10.5	50
			FGA17 - 10 - FH	GN	10 ~ 7	16.662	16.7 ~ 16.9	10	22 / 22	10.5	50
		1/2	FGA21M - 08 - FH	GN	8.8 ~ 6.5	20.955	21 ~ 21.2	10	27 / 24	12.5	50
			FGA21M - 11 - FH	GN	12 ~ 9.5	20.955	21 ~ 21.2	10	27 / 24	12.5	50
		FGA21L - 14 - FH	GN	14 ~ 11.5	20.955	21 ~ 21.2	10	27 / 27	14	50	
	3/4	FGA26 - 16 - FH	GN	16 ~ 13	26.441	26.5 ~ 26.8	12.5	33 / 33	19	50	
		FGA26 - 18 - FH	GN	18 ~ 15	26.441	26.5 ~ 26.8	12.5	33 / 33	19	50	
	1	FGA33 - 22 - FH	GN	22 ~ 17	33.249	33.3 ~ 33.6	15	42 / 42	25	10	
		FGA33 - 25 - FH	GN	25 ~ 21	33.249	33.3 ~ 33.6	15	42 / 42	25	10	
	NPT	3/8	NPA17 - 06 - FH	GN	7 ~ 5	17.055	-	13	22 / 22	10.5	50
			NPA17 - 10 - FH	GN	10 ~ 7	17.055	-	13	22 / 22	10.5	50
		1/2	NPA21 - 14 - FH	GN	14 ~ 11.5	21.223	-	13	27 / 27	14	50
			NPA26 - 16 - FH	GN	16 ~ 13	26.568	-	15	33 / 33	19	50
NPA26 - 18 - FH		GN	18 ~ 15	26.568	-	15	33 / 33	19	50		
3/4	NPA33 - 22 - FH	GN	22 ~ 17	33.227	-	17	42 / 42	25	10		
	NPA33 - 25 - FH	GN	25 ~ 21	33.227	-	17	42 / 42	25	10		