TECHNICAL DATA

CABLE GLAND TYPE : A2F/M, A2F/MF
INGRESS PROTECTION : IP66, IP67, IP68
PROCESS CONTROL SYSTEM : BS EN ISO 9001
ISO/IEC 80079-34:2011

EXPLOSIVE ATMOSPHERES CLASSIFICATION

ATEX CERTIFICATION No : SIRA 13ATEX1068X
ATEX CERTIFICATION CODE : Ex IM2 Ex d I Mb, Ex e I Mb
IECEx CERTIFICATION No : IECEx SIR 13.0023X, IECEx SIM 14.0006
IECEx CERTIFICATION CODE : Ex d I Mb, Ex e I Mb

MA/FT
ATEX CERTIFICATION No : SIRA 09ATEX1034U
ATEX CERTIFICATION CODE : Ex IM2 Ex d I Mb
IECEx CERTIFICATION No : IECEx SIR.09.0024U
IECEx CERTIFICATION CODE : Ex d I, Ex e I

INSTALLATION INSTRUCTIONS

Installation should only be performed by a competent person using the correct tools. Spanners should be used for tightening. Read all instructions before beginning installation.

SPECIAL CONDITIONS FOR SAFE USE

None.

ACCESSORIES

The following accessories are available from CMP Products, as optional extras, to assist with fixing, sealing and earthing :-
Locknut, Earth Tag, Serrated Washer, Entry Thread (I.P.) Sealing Washer, Shroud

Cable Gland Size	Available Entry Threads (Alternate Metric Thread Lengths Available)					Overall Cable Diameter		Across Flats	Across Corners	Protrusion Length	Combined Ordering Reference (*Brass Metric)			Shroud	Cable Gland Weight (Kgs)
	Standard				Option										
	Metric	Thread Length (Metric)	NPT	Thread Length (NPT)	NPT	Min	Max	Max	Max		Size	Type	Ordering Suffix		
20s16	M20	15.0	1/2"	19.9	3/4"	3.2	8.7	24.0	26.4	25.1	20S16	A2F	1RA/M	PVC04	0.07
20S	M20	15.0	1/2"	19.9	3/4"	6.1	11.7	24.0	26.4	25.1	20S	A2F	1RA/M	PVC04	0.06
20	M20	15.0	1/2"	19.9	3/4"	6.5	14.0	27.0	29.7	27.2	20	A2F	1RA/M	PVC05	0.07
25	M25	15.0	3/4"	20.2	1"	11.1	20.0	36.0	39.6	35.5	25	A2F	1RA/M	PVC09	0.13
32	M32	15.0	1"	25.0	1 1/4"	17.0	26.3	41.0	45.1	34.2	32	A2F	1RA/M	PVC10	0.15
40	M40	15.0	1 1/4"	25.6	1 1/2"	23.5	32.2	50.0	55.0	35.1	40	A2F	1RA/M	PVC13	0.20
50S	M50	15.0	1 1/2"	26.1	2"	31.0	38.2	55.0	60.5	32.0	50S	A2F	1RA/M	PVC15	0.26
50	M50	15.0	2"	26.9	2 1/2"	35.6	44.0	60.0	66.0	36.3	50	A2F	1RA/M	PVC18	0.27
63S	M63	15.0	2"	26.9	2 1/2"	41.5	49.9	70.5	77.6	33.5	63S	A2F	1RA/M	PVC21	0.43
63	M63	15.0	2 1/2"	39.9	3"	47.2	55.9	75.0	82.5	35.8	63	A2F	1RA/M	PVC23	0.40
75S	M75	15.0	2 1/2"	39.9	3"	54.0	61.9	80.0	88.0	34.2	75S	A2F	1RA/M	PVC24	0.52
75	M75	15.0	3"	41.5	3 1/2"	61.1	67.9	84.0	92.4	40.6	75	A2F	1RA/M	PVC26	0.50
90	M90	24.0	3 1/2"	42.8	4"	66.6	79.9	108.0	118.8	58.3	90	A2F	1RA/M	PVC31	1.60
100	M100	24.0	4"	44.0	5"	76.0	91.0	123.0	135.3	55.2	100	A2F	1RA/M	LSF33	1.78
115	M115	24.0	4"	44.0	5"	86.0	97.9	133.4	146.7	65.2	115	A2F	1RA/M	LSF34	2.67
130	M130	24.0	5"	46.8	6"	97.0	114.9	152.4	167.6	73.9	130	A2F	1RA/M	LSF35	3.80

**For material options add the following suffix to the Ordering Reference; Brass (no suffix required); Nickel Plated Brass '5'; 316 Grade Stainless Steel '4'; Copper Free Aluminium '1'*
For NPT options add the following digits to the material suffix; 1/2" = 31; 3/4" = 32; 1" = 33; 1 1/4" = 34; 1 1/2" = 35; 2" = 36; 2 1/2" = 37; 3" = 38; 3 1/2" = 39; 4" = 310 (Brass requires prefix '0')

Examples: 32A2F1RA/M534 = Nickel Plated Brass 1-1/4" NPT, 50SA2F1RA/M035 = Brass 1-1/2" NPT, 2SA2F1RA/M432 = Stainless Steel 3/4" NPT, 20A2F1RA/M5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated

Note: Standard Seal (Black) Temperature Range = -60°C to +130°C,
High Temperature Seal (Brown) Temperature Range = -20°C to +200°C for High Temperature Seal add 'HT' to Ordering Reference after Gland Type e.g. 20SA2FHT1RA/M.

CMP Products Limited. on its sole responsibility declares that the equipment referred to herein conforms to the requirements of the ATEX Directive 2014/34/EU and the following standards: -

EN60079-0:2012, EN60079-1:2007, EN60079-7:2007, EN60079-15:2010, EN60079-31:2009, BS6121:1989, EN62444:2013

David Willcock – Certification Engineer (Authorised Person)
CMP Products Limited, Cramlington, NE23 1WH, UK
24th June 2015

CE 0518
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SCAN FOR INSTALLATION VIDEOS

INSTALLATION INSTRUCTIONS FOR A2F/M & A2F/MF CABLE GLANDS

CABLE GLAND FOR USE WITH UNARMOURED AND BRAID ARMOURED CABLES IN MINING APPLICATIONS

INCORPORATING EU DECLARATION OF CONFORMITY TO DIRECTIVE [2014/34/EU]

CABLE GLAND TYPES A2F/M & A2F/MF

A2F/M - A2F Gland for Mining Applications

A2F/MF - A2F/M Assembly with Flange Mount Type MA/FT

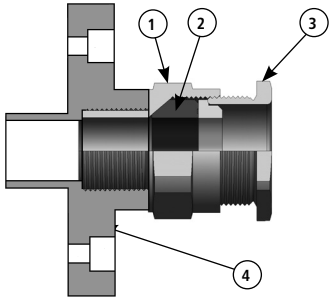
CMP Document No. FI443 Issue 8 IEC Issue 8 CSA Issue 7

Logo's shown for illustration purposes only. Please check certification for details

INSTALLATION INSTRUCTIONS FOR CMP GLAND TYPE A2F/M & A2F/MF

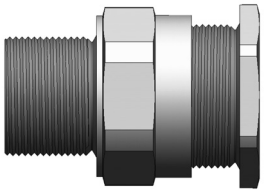
CABLE GLAND COMPONENTS - It is not necessary to dismantled the cable gland any further than illustrated below

1. Entry Item
2. Seal
3. Seal Nut
4. Optional Flange Mount

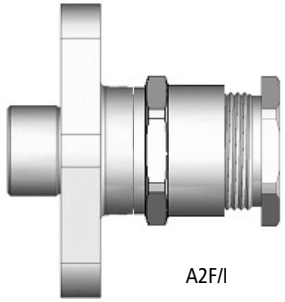


PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION

1. It is not necessary to dismantle the gland any further than illustrated below.

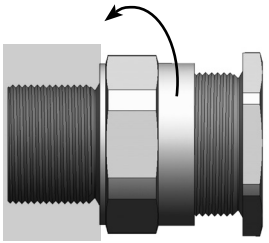


A2F/M

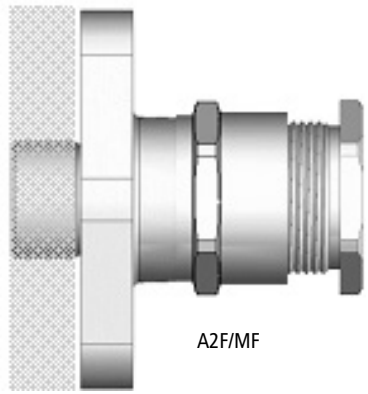


A2F/I

2. Fit the gland into the equipment and fully tighten the entry item (1). (Bolt flange to equipment on the A2F/MF version).

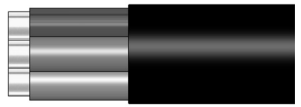


A2F/M

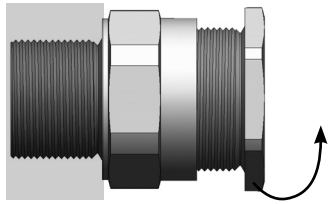


A2F/MF

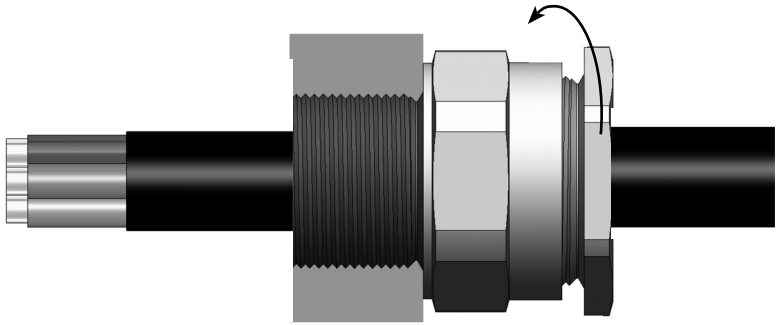
3. Determine the conductor length required to suit the installation and prepare the cable accordingly, removing part of the outer sheath where required to reveal the insulated conductors.



4. Slacken the seal nut (3) to relax the seal (2).



5. Pass the cable through the gland to the desired position, then tighten the seal nut by hand until resistance is felt (when the seal contacts the cable). Tighten with a spanner one further turn.



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