

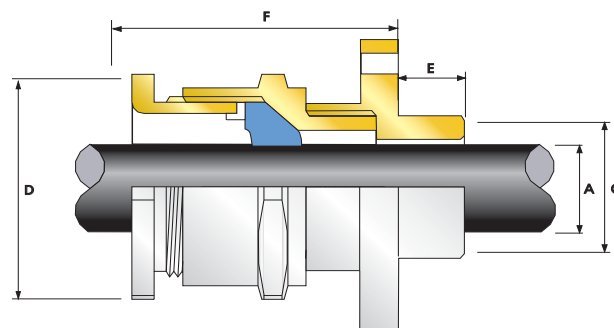
**A2F/MF**

Ex e Ex d

## A2F/MF Mining, Internationally Approved, Flanged Explosive Atmosphere Cable Gland

### For all types of Unarmoured Cables

- Complete with flanged adaptor
- High quality durable materials
- Wide sealing range for each cable gland size
- Displacement type flameproof seal
- -60°C to +130°C
- Internationally marked, IECEx & ATEX



#### TECHNICAL DATA

|                             |                                                            |
|-----------------------------|------------------------------------------------------------|
| Design Specification        | BS 6121:Part 1:1989, IEC 62444, EN 62444 (A2F/M Only)      |
| Mechanical Classifications* | Impact = Level 8, Retention = Class B                      |
| Enclosure Protection        | IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only |
| ATEX Certificate            | SIRA13ATEX1068X, SIRA09ATEX1034U                           |
| Code of Protection          | Ⓜ IM2 Ex d I Mb, Ex e I Mb                                 |
| Compliance Standards        | EN 60079-0,1,7                                             |
| IECEx Certificate           | IECEx SIR 13.0023X, IECEx SIR 09.0024U, IECEx SIM 14.0006  |
| Code of Protection          | Ex d I Mb, Ex e I Mb                                       |
| Compliance Standards        | IEC 60079-0,1,7                                            |
| Ingress Protection Rating   | IP67, IP66, & IP68**                                       |
| Cable Gland Material        | Brass, Electroless Nickel Plated Brass, Stainless Steel    |
| Seal Material               | CMP SOLO LSF Halogen Free Thermoset Elastomer              |
| Cable Type                  | Unarmoured                                                 |
| Sealing Technique           | CMP Unique Displacement Seal Concept                       |
| Sealing Area(s)             | Cable Outer Sheath                                         |

\* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444

\*\* Refer to page 7 or [www.cmp-products.com](http://www.cmp-products.com) for further information on Ingress Protection Ratings

See MA/FT, MA/B page for flange mounting dimensions

Alternative flange sizes available upon request

### Cable Gland Selection Table

Refer to illustration at the top of the page.

| Cable Gland Size | Spigot Diameter "C" | Minimum Spigot Length "E" | Overall Cable Diameter "A" |      | Across Flats "D" | Across Corners "D" | Protrusion Length "F" | Combined Ordering Reference (*Brass Metric) |      |                 | Cable Gland Weight (Kgs) |
|------------------|---------------------|---------------------------|----------------------------|------|------------------|--------------------|-----------------------|---------------------------------------------|------|-----------------|--------------------------|
|                  |                     |                           | Min                        | Max  | Max              | Max                |                       | Size                                        | Type | Ordering Suffix |                          |
| 20S              | 19.0                | 15.0                      | 6.1                        | 11.7 | 22.0             | 24.2               | 32.1                  | 20S                                         | A2F  | 1RA/MF          | 0.074                    |
| 20               | 19.0                | 15.0                      | 6.5                        | 14.0 | 27.0             | 29.7               | 32.1                  | 20                                          | A2F  | 1RA/MF          | 0.079                    |
| 25               | 25.4                | 15.0                      | 11.1                       | 20.0 | 36.0             | 39.6               | 35.1                  | 25                                          | A2F  | 1RA/MF          | 0.100                    |
| 32               | 31.8                | 15.0                      | 17.0                       | 26.3 | 41.0             | 45.1               | 38.7                  | 32                                          | A2F  | 1RA/MF          | 0.438                    |
| 40               | 38.1                | 15.0                      | 23.5                       | 32.2 | 46.0             | 50.6               | 39.7                  | 40                                          | A2F  | 1RA/MF          | 0.620                    |
| 50S              | 50.8                | 15.0                      | 31.0                       | 38.2 | 55.0             | 60.5               | 42.5                  | 50S                                         | A2F  | 1RA/MF          | 0.730                    |
| 50               | 50.8                | 15.0                      | 35.6                       | 44.0 | 60.0             | 66.0               | 43.5                  | 50                                          | A2F  | 1RA/MF          | 0.800                    |
| 63S              | 63.5                | 15.0                      | 41.5                       | 49.9 | 65.0             | 71.5               | 44.5                  | 63S                                         | A2F  | 1RA/MF          | 1.040                    |
| 63               | 63.5                | 15.0                      | 47.2                       | 55.9 | 70.0             | 77.0               | 44.5                  | 63                                          | A2F  | 1RA/MF          | 1.060                    |
| 75S              | 76.2                | 15.0                      | 54.0                       | 61.9 | 84.0             | 92.4               | 48.0                  | 75S                                         | A2F  | 1RA/MF          | 1.220                    |
| 75               | 76.2                | 15.0                      | 61.1                       | 67.9 | 84.0             | 92.4               | 50.0                  | 75                                          | A2F  | 1RA/MF          | 1.350                    |

\*For material options add the following suffix to the Ordering Reference; Brass (no suffix required); Nickel Plated Brass 'S'; 316 Grade Stainless Steel '4'; Copper Free Aluminium '1'  
For NPT options please 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 (Brass requires prefix "0")

Examples: 32A2F1RA/MF534 = Nickel Plated Brass 1-1/4" NPT, 50SA2F1RA/MF035 = Brass 1-1/2" NPT, 25A2F1RA/MF432 = Stainless Steel 3/4" NPT, 20A2F1RA/MF5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated

