## **737 Series Adaptors and Reducers**

### **Cable Gland Accessories**

Increased Safety and Flameproof.

NEC/CEC: Class 1, Group A, B, C, D Zone 1, AEx de II IP66/68 ⊕ ATEX/IECEx: Zone 1 and 2 – 21 and 22 ⑤ II 2 GD IP66/68 ↑

#### **Applications**

- A wide range of thread conversion adaptors and reducers for hazardous area applications. Used to connect cable entry devices and equipment having dissimilar threads.
- Care should be taken to ensure that a suitable sealing gasket is also selected and installed, where applicable, to ensure that an effective seal is made at the entry, thereby maintaining the integrity of the enclosure or equipment IP rating.

#### **Features**

• Triple Certification Ex d/Ex e/Ex nR.

#### **Standard Materials**

Nickel plated brass

#### **Options**

- Copper free aluminum: replace last digit 5 with 1
- Brass version: remove last digit 5
- · 316L stainless steel version: replace last digit 5 with 4
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see Cable Gland Accessories pages.

#### **NEC/CEC Certifications and Compliances**

- UL Standard: 886 (1203), E60079-0, E60079-1, E60079-7
- CSA Standard: C22.2 No. 30, CAN/CSA E60079-0, CAN/CSA E60079-1, CAN/CSA E60079-7
- cCSAus Certified: 113642

#### **ATEX/IECEx Certifications and Compliances**

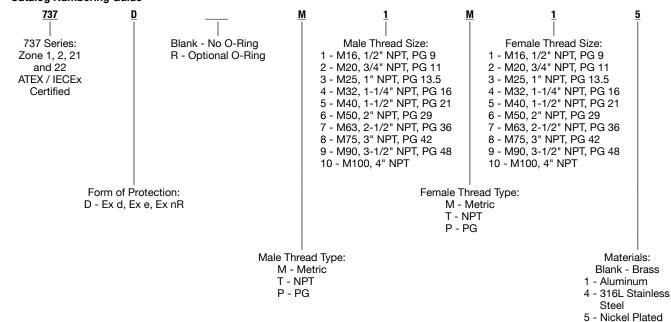
- Certification Type 737
- · Zones 1 and 2, Gas
  - ATEX/IEC Protection: Ex d IIC, Ex e II





- · Zones 21 and 22, Dust
  - Conforming to ATEX 94/9/CE: CE 0518 <sup>™</sup> II 2 D
  - ATEX/IEC Protection: Ex tD A21
- Conforming to ATEX 94/9/CE: 🗟 II 2 GD
- Ambient Temperature: -60 °C to +100 °C (-76 °F to +212 °F)
- CE Declaration of Conformity: DC07001
- ATEX Certificate: SIRA 01 ATEX 1284U
- IECEx Certificate: IECEx SIR 07.0052X
- Other Certifications: GOST, UL, CSA
- Ingress Protection (solid and liquid): IP66 or IP68 with seal
- IEC Standards: 60079-0; 60079-1; 60079-7; 60079-15; 61241-0; 61241-1
- Other Standards: GOST, UL, CSA

### **Catalog Numbering Guide**



① IP68 with entry thread seal or O-Ring not supplied, see Cable Gland Accessories and Tools.



**Brass** 

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NEC/CEC: Class 1, Group A, B, C, D Zone 1, AEx de II IP66/68 ①

**IP66/68** ①

| Size   | Male Thread        |     |     |     |     |     |     |     |     |     |     |      |        | Fem  | ale Thi | read |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
|--|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------|------|---------|------|------|------|------|------------------|------------------|----------------|--------------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|
| M25 M32 M40 M40 M50 M63 M63 M75 P67 P67 P69 P611 P611 P613.5 P616 P621 P621 P622 P628 P628 P638 P638 P648 P648 P648 P648 P648 P648 P648 P64  | Size               | M16 | M20 | M25 | M32 | M40 | M50 | M63 | M75 | 79d | PG9 | PG11 | PG13.5 | PG16 | PG21    | PG29 | PG36 | PG42 | PG48 | 1/2" NPT/NPS (M) | 3/4" NPT/NPS (M) | 1" NPT/NPS (M) | 1-1/4" NPT/NPS (M) | 1-1/2" NPT/NPS (M) | 2" NPT/NPS (M) | 2-1/2" NPT/NPS (M) | 3" NPT/NPS (M) | 3-1/2" NPT/NPS (M) | 4" NPT/NPS (M) |
| M32 M40 M40 M50 M63 M75 P67 P68 P611 P613.5 P621 P629 P638 P642 P648 P642 P648 P648 112" MPT/NPS (M) 1" NPT/NPS (M) 1" NPT/NPS (M) 1" NPT/NPS (M) 2" NPT/NPS (M) 3" NPT/NPS (M)  | M16                |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| M32  | M20                |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| M40 M50 M63 M75 PG7 PG9 PG11 PG13.5 PG16 PG21 PG29 PG36 PG36 PG42 PG48 PG48 PG48 PG48 PG48 PG48 PG48 PG48  | M25                |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| M63 M75 M76 P67 P69 P611 P613.5 P616 P629 P629 P636 P636 P642 P648 P648 P648 P648 P648 P648 P648 P648  | M32                |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| M63  | M40                |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| M75 PG7 PG9 PG11 PG11 PG13.5 PG16 PG21 PG29 PG36 PG42 PG42 PG48 112" NPT/NPS (M) 1" NPT/NPS (M) 2" NPT/NPS (M) 2" NPT/NPS (M) 3" NPT/NPS (M) 4" NPT/NPS (M)  | M50                |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| PG7 PG9 PG11 PG13.5 PG16 PG21 PG29 PG36 PG42 PG42 PG48 112" NPT/NPS (M) 1-1-1/2"NPT/NPS (M) 2" NPT/NPS (M) 2" NPT/NPS (M) 3" NPT/NPS (M)  | M63                |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| PG9 PG11 PG13.5 PG16 PG21 PG29 PG36 PG42 PG48 1/2" NPT/NPS (M) 2" NPT/NPS (M) 2" NPT/NPS (M) 3" NPT/NPS (M)   | M75                |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| PG11   | PG7                |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| PG16 PG21 PG29 PG36 PG42 PG42 PG48 PJ48 PG48 PG48 P1/2" NPT/NPS (M) P1-1/2"NPT/NPS (M) P1-1/2" NPT/NPS (M) | PG9                |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| PG16 PG21 PG29 PG36 PG42 PG42 PG48 1/2" NPT/NPS (M) 2" NPT/NPS (M) 3" NPT/NPS (M) 3" NPT/NPS (M) 3 -1/2" NPT/NPS (M) 4 -1/2" NPT/NPS (M) 4 -1/2" NPT/NPS (M) 5 -1/2" NPT/NPS (M) 6 -1/2" NPT/NPS (M) 6 -1/2" NPT/NPS (M) 7 -1/2" NPT/NPS (M) 8 -1/2" NPT/NPS (M) 9 -1/2" NPT/NPS (M)   | PG11               |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| PG29 PG36 PG42 PG48 PG48 PG48 1/2" NPT/NPS (M) 1-1-/2"NPT/NPS (M) 2" NPT/NPS (M) 3-1/2" N | PG13.5             |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| PG29 PG36 PG42 PG48 PG48 1/2" NPT/NPS (M) 1" NPT/NPS (M) 1-1/2"NPT/NPS (M) 2" NPT/NPS (M) 2" NPT/NPS (M) 3-1/2" NPT/NPS (M) 3 " NPT/NPS (M) 3 " NPT/NPS (M) 3 " NPT/NPS (M) 4 " NPT/NPS (M) 5 " NPT/NPS (M) 5 " NPT/NPS (M) 6 " NPT/NPS (M) 7 " NPT/NPS (M) 8 " NPT/NPS (M) 9 " NPT/NPS (M) 9 " NPT/NPS (M) 1  | PG16               |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| PG36 PG42 PG48 1/2" NPT/NPS (M) 3/4" NPT/NPS (M) 1-1/2"NPT/NPS (M) 2" NPT/NPS (M) 2-1/2" NPT/NPS (M) 3-1/2" NPT/NPS (M) 3-1/2" NPT/NPS (M) 3-1/2" NPT/NPS (M)  | PG21               |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| PG42 PG48  1/2" NPT/NPS (M)  1-1/4" NPT/NPS (M)  2" NPT/NPS (M)  3" NPT/NPS (M)  3-1/2" NPT/NPS (M)  3-1/2" NPT/NPS (M)  3-1/2" NPT/NPS (M)  3-1/2" NPT/NPS (M)  | PG29               |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| PG48 1/2" NPT/NPS (M) 3/4" NPT/NPS (M) 1 " NPT/NPS (M) 1 -1/4" NPT/NPS (M) 2 " NPT/NPS (M) 3 " NPT/NPS (M) 3 " NPT/NPS (M) 3 -1/2" NPT/NPS (M) 3 -1/2" NPT/NPS (M) 4 -1/2" NPT/NPS (M) 5 -1/2" NPT/NPS (M) 6 -1/2" NPT/NPS (M) 7 -1/2" NPT/NPS (M) 8 -1/2" NPT/NPS (M) 9 -1/2" NPT/NPS (M)   | PG36               |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| 1/2" NPT/NPS (M) 3/4" NPT/NPS (M) 1" NPT/NPS (M) 1-1/4" NPT/NPS (M) 1-1/2"NPT/NPS (M) 2" NPT/NPS (M) 2-1/2" NPT/NPS (M) 3" NPT/NPS (M) 3-1/2" NPT/NPS (M)  | PG42               |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| 3/4" NPT/NPS (M)  1" NPT/NPS (M)  1-1/4" NPT/NPS (M)  1-1/2"NPT/NPS (M)  2" NPT/NPS (M)  3" NPT/NPS (M)  3-1/2" NPT/NPS (M)  4   |                    |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| 1"NPT/NPS (M)  | 1/2" NPT/NPS (M)   |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| 1-1/4" NPT/NPS (M)   | 3/4" NPT/NPS (M)   |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| 1-1/2"NPT/NPS (M)  |                    |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| 2" NPT/NPS (M)   | 1-1/4" NPT/NPS (M) |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| 2-1/2" NPT/NPS (M)   | 1-1/2"NPT/NPS (M)  |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| 3" NPT/NPS (M)   | 2" NPT/NPS (M)     |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| 3–1/2" NPT/NPS (M)   | 2-1/2" NPT/NPS (M) |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
|  | 3" NPT/NPS (M)     |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
| 4" NPT/NPS (M)   | 3-1/2" NPT/NPS (M) |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |
|  | 4" NPT/NPS (M)     |     |     |     |     |     |     |     |     |     |     |      |        |      |         |      |      |      |      |                  |                  |                |                    |                    |                |                    |                |                    |                |

| Ex d/Ex e reducer Ex d/Ex e adaptor Non-certified adaptor  | Thread Table | е        |        |        |
|--|--------------|----------|--------|--------|
| Ex d/Ex e reducer Ex d/Ex e adaptor Non–certified adaptor  |              | Metric ① | NPT    | PG     |
|  | 1            | M16      | 1/2"   | PG9    |
|  | 2            | M20      | 3/4"   | PG11   |
|  | 3            | M25      | 1"     | PG13.5 |
|  | 4            | M32      | 1-1/4" | PG16   |
|  | 5            | M40      | 1-1/2" | PG21   |
|  | 6            | M50      | 2"     | PG29   |
|  | 7            | M63      | 2-1/2" | PG36   |
|  | 8            | M75      | 3"     | PG42   |
|  | 9            | M90      | 3-1/2" | PG48   |
| <ul> <li>IP68 with entry thread seal or O-Ring (not supplied),<br/>see Cable Gland Accessories and Tools.</li> </ul> | 10           | M100     | 4"     |        |



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ATEX/IECEx: Zone 1 and 2 – 21 and 22 ii I 2 GD IP66/68 ①

| Reducers (Nickel P |               |                |
|--------------------|---------------|----------------|
| Male Thread        | Female Thread | Catalog Number |
| M20                | M16           | 737DM2M15      |
| M25                | M16           | 737DM3M15      |
| M25                | M20           | 737DM3M25      |
| M32                | M20           | 737DM4M25      |
| M32                | M25           | 737DM4M35      |
| M40                | M25           | 737DM5M35      |
| M40                | M32           | 737DM5M45      |
| M50                | M32           | 737DM6M45      |
| M50                | M40           | 737DM6M55      |
| M63                | M40           | 737DM7M55      |
| M63                | M50           | 737DM7M65      |
| M75                | M50           | 737DM8M65      |
| M75                | M63           | 737DM8M75      |
| 1/2                | 3/4           | 737DT1T25      |
| 3/4                | 1/2           | 737DT2T15      |
| 1                  | 1/2           | 737DT3T15      |
| 1                  | 3/4           | 737DT3T25      |
| 1-1/4              | 3/4           | 737DT4T25      |
| 1-1/4              | 1             | 737DT4T35      |
| 1-1/2              | 1             | 737DT5T35      |
| 1-1/2              | 1-1/4         | 737DT5T45      |
| 2                  | 1-1/4         | 737DT6T45      |
| 2                  | 1-1/2         | 737DT6T55      |
| 2-1/2              | 1-1/2         | 737DT7T55      |
| 2-1/2              | 2             | 737DT7T65      |
| 3                  | 2             | 737DT8T65      |
| 3                  | 2-1/2         | 737DT8T75      |
| 3-1/2              | 2-1/2         | 737DT9T75      |
| 3-1/2              | 3             | 737DT9T85      |
| 4                  | 3             | 737DT10T85     |
| 4                  | 3-1/2         | 737DT10T95     |

| Adapters (Nickel Pl | ated Brass)   |                |
|---------------------|---------------|----------------|
| Male Thread         | Female Thread | Catalog Number |
| M16                 | M20           | 737DM1M25      |
| M20                 | M25           | 737DM2M35      |
| M25                 | M32           | 737DM3M45      |
| M32                 | M40           | 737DM4M55      |
| M40                 | M50           | 737DM5M65      |
| M50                 | M63           | 737DM6M75      |
| M63                 | M75           | 737DM7M85      |
| M75                 | M90           | 737DM8M95      |
| M90                 | M100          | 737DM9M105     |
| M16                 | 1/2           | 737DM1T15      |
| M20                 | 1/2           | 737DM2T15      |
| M20                 | 3/4           | 737DM2T25      |
| M25                 | 3/4           | 737DM3T25      |
| M25                 | 1             | 737DM3T35      |
| M32                 | 1             | 737DM4T35      |
| M32                 | 1-1/4         | 737DM4T45      |
| M40                 | 1-1/4         | 737DM5T45      |
| M40                 | 1-1/2         | 737DM5T55      |
| M50                 | 1-1/2         | 737DM6T55      |
| M50                 | 2             | 737DM6T65      |
| M63                 | 2             | 737DM7T65      |
| M63                 | 2-1/2         | 737DM7T75      |
| M75                 | 2-1/2         | 737DM8T75      |
| M75                 | 3             | 737DM8T85      |
| 1/2                 | M20           | 737DT1M25      |
| 3/4                 | M20           | 737DT2M25      |
| 3/4                 | M25           | 737DT2M35      |
| 1                   | M25           | 737DT3M35      |
| 1                   | M32           | 737DT3M45      |
| 1-1/4               | M32           | 737DT4M45      |
| 1-1/4               | M40           | 737DT4M55      |
| 1-1/2               | M40           | 737DT5M55      |
| 1-1/2               | M50           | 737DT5M65      |
| 2                   | M50           | 737DT6M65      |
| 2                   | M63           | 737DT6M75      |
| 2-1/2               | M63           | 737DT7M75      |
| 2-1/2               | M75           | 737DT7M85      |
| 3                   | M75           | 737DT8M85      |



 $<sup>@ \</sup>textit{IP68 with entry thread seal or O-Ring not supplied, see Cable Gland Accessories and Tools. } \\$