

Cable Glands DQM-II Series Explosion-proof Cable Glands (Ex d IIC Ex e IIC) Armored Dual Seal (Cold Flow)



- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 1, Groups A, B, C, D
- ◆ Ex d, Ex e structure; available in stainless steel, nickel plated brass or galvanized carbon steel.
- ◆ Dual seal, suitable for both armored and unarmored cable.
- ◆ For particular use with: cables that exhibit "cold flow" characteristics.

Technical data

Explosion-proof cable glands

DQM-II (Armored Dual Seal)

Explosion protection

Gas explosion protection
Dust explosion protection

⊕ II 2 G Ex db IIC Gb

⊕ II 2 G Ex eb IIC Gb

⊕ II 2 D Ex tb IIIC Db IP66/IP68

Certificates

ATEX and IECEx (applied for)

Conformity to standards

EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31

IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31

Gland material

Brass, stainless steel or nickel plated brass

Degree of protection

IP66/IP68

Ambient temperature

-60°C~+100°C

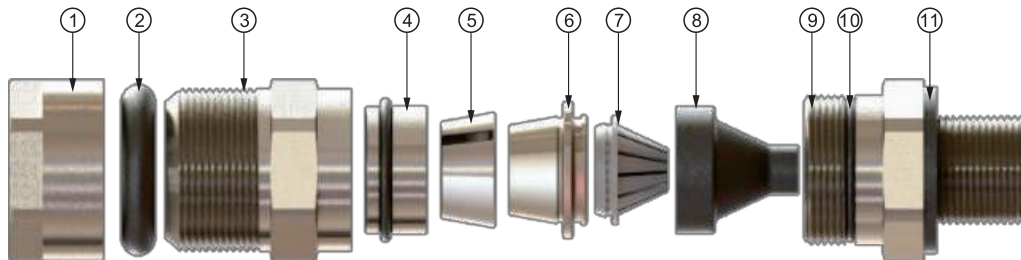
Connection thread

Metric thread is standard type; G thread or NPT thread is optional



Feature:

- ◆ Using thoracic diaphragm sealing element (such as figure ⑧), no any harm to cable inner jacket which has "Cold Flow" feature, and installation is faster more than 50% of general sealing.
- ◆ Using flood surge resistance sealing part (such as figure ⑩), prevent moist gas into cable armoured/braided layer



① Cap

② Clamping & Sealing O-Ring

③ Upper Body

④ Braid Ring

⑤ Universal Armour Reduction

⑥ Grounding Cone

⑦ Plastic Insert

⑧ Diaphragm Seal

⑨ Body

⑩ Sealing O-Ring

⑪ Gasket

Cable Glands

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Armored Dual Seal (Cold Flow)

Selection table of cable wiring														
Gland size	Entry thread "A"		Cable outer diameter B (mm)		Cable outer diameter C (mm)		Minimum thread length D (mm)	Nominal protrusion length E (mm)	Across flats F (mm)	Across corners G (mm)	Range of armored thickness H (mm)		Ordering code	Weight (kg)
	Metric	NPT	Min	Max	Min	Max					Orientation 1	Orientation 2		
16	M16x1.5	1/2"	6.0	11.0	9.0	16.0	15	45.0	24	27.5	0.8~1.25	0~0.8	709047	0.12
20S	M20x1.5	1/2"	6.0	11.0	9.0	16.0	15	45.0	24	27.5	0.8~1.25	0~0.8	709048	0.15
20	M20x1.5	1/2"	8.5	14.5	12.0	20.0	15	48.0	30	33.0	0.8~1.25	0~0.8	709049	0.15
25S	M25x1.5	3/4"	8.5	14.5	12.0	20.0	15	48.0	30	33.0	0.8~1.25	0~0.8	709050	0.18
25	M25x1.5	3/4"	12.0	20.0	16.0	26.0	15	54.0	36	40.0	1.25~1.6	0~0.8	709051	0.18
32S	M32x1.5	1"	12.0	20.0	16.0	26.0	15	54.0	36	40.0	1.25~1.6	0~0.8	709052	0.22
32	M32x1.5	1"	17.0	26.0	20.0	33.0	15	64.5	46	52.5	1.6~2.0	0~0.8	709053	0.30
40S	M40x1.5	1 1/4"	17.0	26.0	20.0	33.0	15	64.5	46	52.5	1.6~2.0	0~0.8	709054	0.40
40	M40x1.5	1 1/4"	23.0	32.0	29.0	41.0	15	67.0	55	64.0	1.6~2.0	0~0.8	709055	0.40
50S	M50x1.5	1 1/2"	23.0	32.0	29.0	41.0	15	67.0	55	64.0	1.6~2.0	0.2~1.0	709056	0.60
50	M50x1.5	1 1/2"	29.0	41.0	36.0	52.0	15	77.7	65	74.0	1.8~2.5	0.2~1.0	709057	0.60
63S	M63x1.5	2"	29.0	41.0	36.0	52.0	15	77.7	65	74.0	1.8~2.5	0.2~1.0	709058	1.00
63	M63x1.5	2"	44.0	56.0	50.0	65.0	15	90.7	80	92.0	1.8~2.5	0.2~1.0	709059	1.20
75S	M75x1.5	2 1/2"	44.0	56.0	50.0	65.0	15	90.7	80	92.0	1.8~2.5	0.2~1.0	709060	2.80
75	M75x1.5	2 1/2"	54.5	68.0	61.0	78.0	15	103.7	95	107.5	1.8~2.5	0.2~1.0	709061	2.90
80S	M80x1.5	3"	54.5	68.0	61.0	78.0	15	103.7	95	107.5	1.8~2.5	0.2~1.0	709062	3.20
80	M80x1.5	3"	67.0	73.0	75.0	89.0	15	100.2	106	118.0	2.0~3.5	0.2~1.0	709063	3.50
90	M90x1.5	3 1/2"	67.0	77.0	75.0	89.0	15	100.2	115	113.0	2.0~3.5	0.2~1.0	709064	3.90
100	M100x1.5	4"	75.0	91.0	88.0	104.0	15	114.0	127	145.0	2.0~4.0	0.2~1.0	709065	4.55

Note: 1. Standard material is brass. Nickel plated brass or stainless steel is optional. Above weight is based upon nickel plated brass.
 2. Earth lug and shroud on request. See P7/34~35.
 3. Metric threads are 1.5mm pitch as standard, others thread pitch can be customized, please specify when ordering.

