



Douglas Electrical Components

Ductorseal® Hermetic Feedthrus

Conflat® D-Sub Hermetic Connectors



HERMETICALLY SEALED TYPE D SERIES CONNECTORS FOR

- Vacuum Chambers
- Semiconductor Processing Equipment
- Space Simulation Chamber Penetrations
- Medical/ X-Ray
- Instrumentation
- R&D Applications

Contact us to learn how our products can work for you
973.627.8230 www.douglaselectrical.com



Certificate No. 3415

Douglas Electrical has established itself as the leading manufacturer of sealed conductors for the penetration of vacuum and pressure vessels. DECo has emerged as the market leader by providing the most comprehensive solutions to complex sealing challenges and is known for outstanding customer support and service. We pride ourselves on the flexibility we offer our customers to customize their own sealing solutions. Depending upon the application, DECo has an answer for your

pressure or vacuum sealing dilemma. Whether choosing DECo's hermetically sealed conductors that utilize our epoxy technology or our Glandseal line of compression sealed conductors, our custom engineered solution will meet the most stringent quality standards at a cost that is typically less than off-the-shelf solutions available elsewhere. Please review our complete literature package for more information on our extensive line of sealing solutions.

Sample Configurations:

Flange Size (in.)	9 pin	15 pin	25 pin	37 pin	50 pin
2.75	1	-	-	-	-
2.75	2	-	-	-	-
2.75	1	1	-	-	-
2.75	1	-	-	-	-
3.38	3	-	-	-	-
3.38	2	1	-	-	-
3.38	-	2	-	-	-
4.50	-	-	-	1	1
4.50	-	-	2	-	1
4.50	-	-	-	1	-
4.50	-	-	-	-	1
6.00	-	-	-	2	3
6.00	-	-	-	-	4
6.00	2	-	-	-	4

Features

- Sealed to 1×10^{-9} SCCM He/Sec.
- HiPot Tested to 600 VAC
- Rated for 1 Amp per pin
- 225°F operation typical, higher temp designs available
- MIL-C- 24308 series connectors
- Industry standard Conflat® or ISO Flange design, for ease of tooling/design
- Receptacle mounting in both sides
- Knife edge, o-ring, or weldable designs
- Special configurations are common; 50 pin in 2.75" flange, etc.
- Hermetic coaxial (BNC) connectors also available
- High pressure designs also available
- Designs can include wire harnesses on one or both sides
- Connectorization services for cables also available

Utilizing the same epoxy sealing technology employed in the most diverse feedthrough line in the industry, Douglas Electrical achieves typical sealing levels of 1×10^{-9} SCCM He/Sec. Standard flange configurations offer the ability to fit most standard ports on existing chambers, and avoids costly tooling and machining for custom designs. Our design incorporate standard versions of MIL-C-24308 series connectors, enabling intermatibility with existing hardware. Weldable designs and custom configurations are readily available.



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