

Flange Insulation Kit

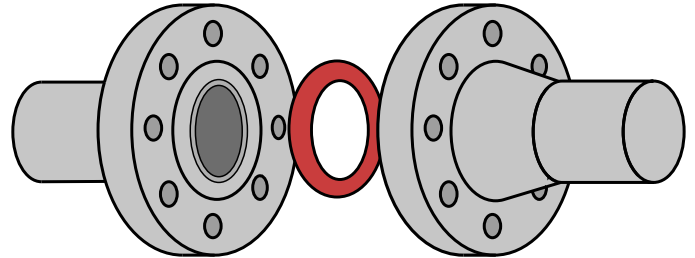
Type D



Description:

The Ring Joint Insulation gaskets are manufactured in bachelized cloth reinforced phenolic material and are sized to ANSI specifications available in basic oval as well as octagonal shape. Also available are BX gaskets.

The insulation sleeve are made of various type of epoxy resin to be inserted in the hole for the bolts; The insulation washer are made of bachelized cloth or epoxy resin; metallic washer are made of galvanized steel, or in stainless steel on request.



Application/Service:

The insulation kit ensures the interruption of electrical continuity between adjacent flanges isolating each component, preventing galvanic or the electrochemical corrosion process. In fact it prevents contact between two materials that have different electric potential, without interfering with the proper tightening of flanges.

FLINK TYPE D are designed to be used with ring-type-joint flanges with one insulation gasket suitable to fit into the ring groove, an insulation sleeve for each bolt, a couple of insulating and steel washer for each bolt.

GASKET TECHNICAL DATA:

	Bachelized Cloth
Max. Pressure (bar)	-
Max. Operating Temperature (°C)	120
Min. Operating Temperature (°C)	-
Dielectric Strength // (kV)	10
Dielectric Strength ⊥ (kV/mm)	2
Water Absorption (mg)	3
Y (MPa)	-
m	-



FEATURES OF SLEEVES AND WASHERS:

	Nema G10	Nema G11	Nema FR4	Nema FR5	Nema G11H	Bachelized Cloth*	Rigid Mica*
Density (g/cm ³)	1,95	1,90	1,90	1,95	1,90	1,35	2,1
Thermal Classification (Max. Temp.)	B (130°C)	F (155°C)	B (130°C)	H (180°C)	H (180°C)	E (120°C)	H (180°C)
Water Absorption mm (%) (cubo?)	0,4	0,4	0,4	0,4	0,4	3	0,8
Self extinguishing	NO	NO	SI (V0)	SI (V0)	NO	HB	SI (V0)
Tensile Strength (MPa)	250	300	430	450	300	70	-
Compressive Strength ⊥ (MPa)	200	400	520	400	-	160	400
Dielectric Strength // (kV)	30	35	35	45	35	2	-
Dielectric Strength ⊥ (kV/mm)	20,9	20,9	20,9	20,9	20,9	0,6	20

*only for washers

Since all properties, specifications and application parameters shown throughout this catalogue are approximate and may be mutually influenced, your specific application should not be undertaken without independent study and evaluation for suitability. All technical data and advice given is based on experiences KLINGER Italy has made so far. Failure to select proper sealing products can result in damage and/or personal injury. Properties, specifications and application parameters are subject to change without notice. KLINGER Italy does not undertake any liability of any kind whatsoever. Is not advised the use in the maximum temperature and at the same time with the maximum pressure.