Dielectric Flange

Isolation fitting for dissimilar metal piping connections

Product Brochure



GALVANIC ISOLATION

BOLTED ASSEMBLY

PRESSURE-TIGHT SEALING

Designed for use between dissimilar metals to help reduce galvanic corrosion in piping systems. Suitable for industrial, building services, and utility applications with reliable sealing and robust construction.

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DIELECTRIC FLANGE

YTMPipe Dielectric Flange Pipe Fittings are designed for installation between dissimilar metal piping systems to help reduce galvanic corrosion and deterioration caused by stray current, while maintaining reliable sealing and bolted assembly performance.



GALVANIC ISOLATION

Helps isolate dissimilar metals and reduce galvanic corrosion in the piping system.

BOLTED ASSEMBLY

Bolted flange construction provides practical installation and serviceability.

PRESSURE-TIGHT SEALING

Suitable for dependable sealing in steam, hot water, and cold water services.

TECHNICAL SPECIFICATION

Parameter	Specification
Product Type	Dielectric Flange Pipe Fittings, Series E300
Configuration	Steel flange to bronze flange
Pressure Class	PN16 or ANSI 150
Connection Types	Female NPT / Female BSPT / Solder Ends
Working Pressure	Max. 363 psi (25 bar)
Working Temperature	Max. 120°C (248°F)
Size Range	2½″–6″ (DN65–DN150)
Gasket	EPDM, 1/8″ (3.18 mm)
Service	Steam, hot water, or cold water

KEY FEATURES

- Steel flange to bronze flange construction
- Designed and manufactured to high quality standards
- Female NPT, Female BSPT, or solder end options
- Helps reduce galvanic corrosion and stray current deterioration
- Suitable for use in piping systems with dissimilar metals

WEIGHT & DIMENSION

Size (in.)	DN	A (in.)	A (mm)	B (in.)	B (mm)	Weight (lb)	Weight (kg)
2½	65	7	178	3½	89	12	5.4
3	80	7½	190	3¾	95	14	6.4
4	100	9	229	4¼	111	30	13.6
6	150	11	280	6	153	42	19.2

MATERIALS

No.	Part	Material
1	Bolt	Galvanized Steel
2	Bolt Insulators	ABS
3	Flange	Bronze
4	Gasket	Nylon Reinforced EPDM
5	Companion Flange	Steel
6	Washer	Galvanized Steel
7	Nut	Galvanized Steel

