



# I-PH Isolation Kit Technical Datasheet

## Description

Phoenix I-PH gaskets are manufactured from Neoprene faced 3mm phenolic sheet (except Type D kits which are supplied without facing). They are designed for flange isolation and corrosion control in lower pressure applications, and for a variety of media including seawater. Phoenix I-PH kits have been largely superseded by the I-LP, I-HP and Isoshield styles which are more robust, and better suited to higher pressures.

## Application

Phoenix I-PH kits are typically used in seawater applications in the off-shore industry or to isolate sections of pipework in cathodic protection systems. They can be used to isolate dissimilar metal flanges, or to prevent the flow of electrostatic charge along the pipelines. They are not recommended for flanges above ANSI B16.5 Class 300, and care must be taken during assembly to avoid over-compression of the Phenolic parts.



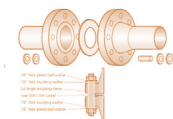
## Typical Physical Properties

ASTM	Test Method	Neoprene faced Phenolic	Plain Phenolic Type D
D149	Dielectric Strength (VPM)	500	500
D638	Tensile Strength (psi)	20,000	20,000
D695	Compressive Strength	25,000	25,000
D790	Flexural Strength (psi)	22,500	22,500
D732	Shear Strength (psi)	10,000	10,000
D256	Impact Strength (ft-lb/in)	1.2	1.2
D570	Water Absorption (%)	1.6	1.6
	Temperature Range	-54 to 79°C	-54 to 104°C

## Availability

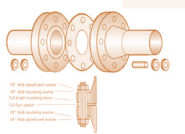
- Thickness** Gasket 3mm
- Gasket** Neoprene faced Phenolic as standard  
Plain Phenolic for Type D
- Sleeves** Mylar as standard, Phenolic on request
- Washers** Phenolic as standard, others on request  
ZPS as standard, others on request
- Standard** ASME B16.21, B16.47 series A, B16.47 Series B

## Kit Types



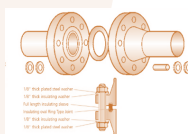
Type F

IBC gasket for raised face flanges



Type E

Full Face gasket for flat face flanges



Type D

Ring Type Joint flange

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