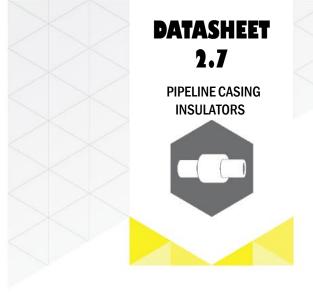# PIPELINE CASING INSULATORS

Insulators for pipe-in-pipe Systems

Polypropylene casing spacers are universally applicable in the installation of pipelines when a media pipe runs through a casing pipe.

Plastic insulators provide many advantages for these applications:

• Easy penetration of carrier pipe. The insulators friction co-eficient is reduced to a minimum because they are made of plastic.

• The minimised friction prevents the media pipe from taking damage inside the casing pipe.

• A wide range of skid heights ensures concentricity of the media pipe inside the casing pipe

• Excellent insulation characteristics. All requirements of cathodic pipe protection are met.

Casing Spacers are suitable for all pipe diameters from 25 mm upwards and many skid heights are available to suit specific requirements.

Materials
Polypropylene has a good friction coefficient due to its waxy surface with good sliding properties. The sliding friction coefficient is approx. 0.2 for PP on steel. In comparison to this, steel on steel is approx. 0.5. Therefore the abrasion is reduced to a minimum. The material is strong and yet flexible and is therefore resistant to stress cracking. Flexibility of the body, stability of the skid form and excellent dielectric insulation are some more of the good characteristics of this material. Polypropylene has a higher temperature resistance compared to polyethylene. The base material is resistant from -20 °C to +100 °C.

Installation notes
Plastic insulator rings are normally installed with the following spacing in between the rings:
•Pipe diameter up to 300 mm in 2.5 m support distance
•Pipe diameter 301 - 600 mm in 2.0 m support distance
•Pipe diameter of more than 600 mm in 1.5 m support distance

Please contact sales@bacgroup.com so we can find a product solution for your application