



ISOLATING JOINTS

ICP 0001



One of the most important features of a pipeline cathodic protection system is electrical isolation of the pipeline from other "grounded" structures.

Whilst the addition of insulating components to conventional flanged joints has been used for many years to provide a break in pipeline continuity, recent times have seen a growth in the use of purpose made prefabricated boltless devices - frequently referred to as Monobloc Isolating Joints.

The principal advantages which these prefabricated joints can offer are:

- ◆ Assured electrical performance
- ◆ Assembly under controlled factory conditions
- ◆ Works tested - electrically and hydraulically
- ◆ Reliability
- ◆ Cannot be readily disturbed once installed
- ◆ Coating and wrapping easier and less critical
- ◆ Allow an all-welded construction at the pipeline

CP Tech is able to supply joints covering a wide range of diameters and pressures. Joints can be supplied with threaded ends, weld ends or flange ends.

Monobloc joints are factory assembled and cannot be dismantled on site. The joints are available in sizes from 3/4" to 70", operating pressures to ANSI 2500 and temperatures from -50°C to +280°C.

Cathodic Protection Technology Pte Ltd

No. 4 Tuas Drive 1 Singapore 638671 Tel: (65) 68623551 Fax: (65) 68616436

Email: cptech@singnet.com.sg

<http://www.cptech.net>



Monobloc joints can be made to a higher specification than assembled kits and are in general more reliable.

In order that enquiries may be dealt with satisfactorily they should be accompanied by the following information:

- ◆ Size
- ◆ ANSI rating or working pressure
- ◆ Test pressure
- ◆ Conveyed fluid
- ◆ Pipe quality and thickness
- ◆ Operating temperature
- ◆ Overall length (if critical)
- ◆ Type of ends - e.g. screwed, flanged or weld ends
- ◆ Any special requirements - including tests/inspection
- ◆ Delivery address