

HT INFLATABLE RINGS

High Temperature (HT) rings and modules are similar to standard EFC inflatable rings but are capable of testing pipes operating at up to 350°C (660°F) provided that the ring is used in the manner specified in GUL's Standard Practice for GWT of High Temperature Pipe-work (GUL 207:2013).

In order to carry out the guided wave inspection, only a 50 cm (20 inch) wide strip of insulation needs to be removed. No couplant is required and the inspection can be performed while the pipe is still on line.



Pneumatic Loading



Smart Sensors



Ring Joining



High Temperature Operation



Can take HT or normal modules

Accepted Transducer Modules:

HT



High Temperature two row adjustable transducer modules with two different spacings to inspect across a wide band of frequency range. These are needed for the ring to reach full operational temperature. Key application areas include:

- Bare Pipes
- Painted Pipes
- Sleeved or Unsleeved Road Crossing Pipes
- Buried Pipes
- High Temperature Pipes

Adjustable



The two row adjustable transducer modules used with EFC rings also fit in an HT ring. With four transducer spacings, it is possible to inspect across a wide band of frequency range. The wide frequency range assists in more difficult inspections such as:

- Buried Pipes
- Pipes with large numbers of welded supports
- Inspections for Localised Pitting

Specifications:

| Modules | w/ HT Modules | w/ Adjustable Modules |
|-----------------------|--|------------------------|
| Number of Channels | 16 channels (8 as an option) | |
| Nominal Pipe Sizes | 6" to 36" (DN 150 to 900) (join rings to get larger sizes) | |
| Operating Temperature | -40° to +350°C (660°F) | -40° to +150°C (300°F) |
| Radial Clearance | 63 mm (2.5") | |
| Compatibility | Any Wavemaker® instruments | |