

AF Pipe Solutions

- Double wall systems
- Innovative & safe solutions for hazardous fuels
- No compromises on quality



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Double Pipe Solutions

- AF Flex® Double Piping - for systems requiring ventilation (Dual fuel engines) or vacuum insulation (Cryogenic)



- AF Slim® Double Piping - for heat exchangers, small process piping



AF Flex Double Pipe

- Double pipe solution with flexibility built into the inner pipe to account for high temperature difference, and therefore displacements between the inner and outer pipe
- To be used with ventilation (+ HC detection) or vacuum in the annular space
- Inspection certificate from MAN Diesel & Turbo



Flex support



Centraliser



Anchor

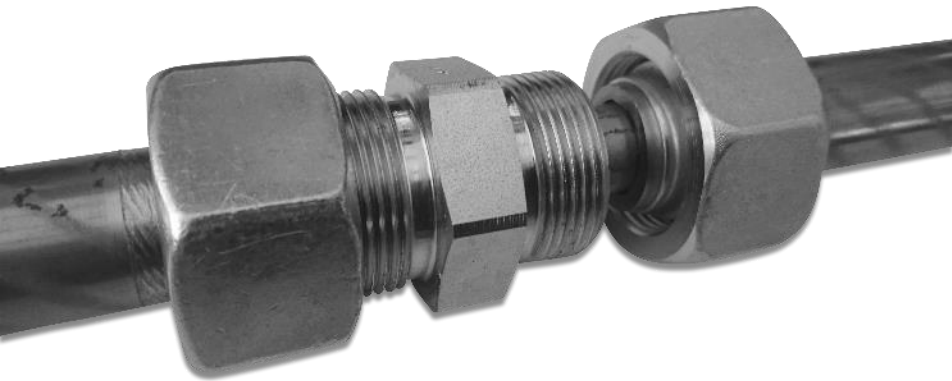


Flex bend



AF Slim Double Pipe

- To be used with pressure leakage detection on annular space (note: if it is possible to remove a ventilation requirement, then the double pipe can be significantly cheaper as mild steel can then be used)
- Coatings, Insulation, and additional protection can be applied as required to outer surface



Slim couplings - with leak
detection plugs
(weld sleeve or screw type)



Slim bends

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Double Wall Heat Exchanger

Shell & Tube Fin type

- Similar to PSHE type, typically more compact and economical than standard Shell & Tube
- High temperature, high pressure (hazardous fuels, steam processes etc.)
- Prevent contamination of process & heating media
- Leak containment, and in-built leak detection

