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PIPING STAND

On the load-bearing structures of the ITC, a mock-up of an industrial heat exchanger is mounted which is designed for the training and testing of piping specialists. The mock-up is made of stainless steel pipes with a diameter of 50 to 200 mm, which are attached onto square pipes with a side which is 50 mm long. Sections of the heat exchanger mock-up have flanged and welded joints.



TRAINING OF PIPEFITTERS

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This piping structure allows for training specialists and testing their skills in a number of areas:

1. Erection of scaffolds to access the mock-up structure. Specialists trained at the ITC must have universal skills in working at a construction site. Pipefitters trained at the ITC have scaffold erection skills.

2. Working with a grinding tool for removing seams and polishing the pipes from both scaffolds and ropes. The erection of scaffolds for low-volume operations is not always sensible. Some operations are quicker and cheaper to perform by using rope access equipment. If necessary, the specialists trained at the ITC can have the working skills of rope access technicians.

3. Welding stainless steel pipes. This is a training stand which provides a unique opportunity for the training and testing of stainless steel welders. Welds are checked through the use of non-destructive testing systems.

The heat exchanger mock-up is universal and, if necessary, can be supplemented by pipeline segments made of ferrous metal, pipeline segments for insulation work training, electrical pipeline heating training, etc.





