

Structured Packing Installation Manual

— Project Preparation

- 1.The column equipment installation finished.
- 2.The column equipment platform installation finished.
- 3.Open the manhole, if any.
- 4.Main staff, material and equipments ready on site.
- 5.The roads, water, electric, communication meet the start up requirements.

二 Safety Protection Measures

- 1.All the staff must have the pre-job training before the installation work start, for better, faster and more safety.
- 2.Check the installation platform and lifting equipments before operation, eliminate the potential safety risks
- 3.During the lifting process, the lifting operator shall ensure all the parts are tied firmly, prevent any falling or damage. Meanwhile, it's strictly forbidden anybody stand under the lifting equipment during the lifting process.
- 4.The operators must wear safety helmet, working clothes, working shoes and gloves.
- 5.If need welding during the installation, proceed according to the actual site conditions. Pay attention to the electric and staff safety during the welding process.
- 6.Check the cleaning, dry and safe conditions of the column inside. After all

conditions ready, starts the installation.

≡ Technical Requirements

1.The relative orientation between the first layer (from bottom) packing (parallel packing plate piece orientation, the same below) and support grid (parallel grid orientation, the same below), the relative orientation of each subsequent layer, shall comply with the drawing requirements. If the drawing don't state any requirements, the first packing and support grid 45° ; the subsequent layers 90° ; each packing shall installed according to the sequence number, comply with the column wall; the packing layers shall closed, don't leave gap. The tightness shall uniform and compacted, must let the up and down packing layers contact closely. No sundries are allow to take into the column during the installation.

2.The installation horizontality error of each piece packing shall not exceed 4/1000 column diameter.

3.Check each piece packing after installation finished, when qualified, install the next piece.

4.In case of equipment large deviations or other special problems, any plate piece adjust or remove, must under the technical's guide or after technician's permission.

The installation staff must not remove any plate piece by his own, to ensure the installation quality.