

Hendrick Screen Company
3074 Medley Road
Owensboro, Kentucky 42301

Gentlemen;

Hendrick Manufacturing has been in business since 1876 with the screen division being located in Owensboro, Kentucky since 1974. HSC is an ISO 9001-2000 certified company and a leading manufacturing of Wedge Wire screen products.

For over 30 years Hendrick has manufactured a wide range of Pressure Vessel internals such as:

- A. Support grids- including both horizontal and vertical vessels.
- B. Inlet and Outlet Collector Baskets.
- C. Header / Lateral Distribution systems.
- D. Nozzles.
- E. Filters.

Hendrick Screen Company is also an approved supplier of both wedge wire and profile bar screen products to Shell Global Solutions. We have just completed and shipped a 42-1/2" O.D., 321 stainless steel collector basket to Contract Fabricators for a Shell project.

The following is a partial list of recently completed projects where the vessels and internals were for Jacobs Engineering projects.

Please note that most of the screen internals purchased from HSC were purchased by Vessel Fabricators as part of their overall vessel projects. Therefore HSC is not always able to identify the Engineering Contractor or end user.

Motiva Refinery / Port Arthur Texas: Feed Filter Baskets 36" O.D. outer basket, 24" O.D. inner basket x 10'-0" O.A.L. Both baskets were welded to a common bottom plate with a removable top plate which allowed catalyst to be placed between the two screens.

Valero Refining / Corpus Christi: HSC supplied Jacobs Engineering (2) 132" O.D. Grids, designed for 100 psi @ 825 degrees Fahrenheit, material 321 stainless steel. Job completed and shipped in Feb 2007.
NOTE: HSC also supplied the support beam for this Project.

Shell Deer Park Refining Company: HSC supplied Jacobs a 21" O.D. x 17" O.A.H. outlet collector basket, material 321 stainless steel with a design load of 200 psi pressure.
NOTE: Purchased through a Vessel fabricator.

Motiva Refinery: 95" O.D. Grid, designed for 10 psi @ 175 degrees Fahrenheit, material 304 stainless steel.
NOTE: Purchased through a Vessel fabricator.

Premcor Refinery: 95" O.D. Grid, designed for a total load of 75 psi pressure, material 304L stainless steel.
NOTE: Purchased through a Vessel fabricator.

Marathon Oil: 95" O.D. Grid, designed for a total load of 25 psi pressure, material 316 stainless steel.
NOTE: Purchased through a vessel fabricator.

In addition to the projects above, HSC also supplied quite a few high load grids to the following Refinery Companies These grids were designed and fabricated in our Owensboro facility. The type of material and design pressure is also included.

Western Refining / Mustang Project: HSC supplied two 142-1/2" O.D. grids, using our U-clip and profile wire screen construction. The grids were installed with four T-beams utilizing the same configuration as grids quoted to Jacobs. They were designed for 126 psi and constructed using 321 stainless steel materials.

Frontier Refining: HSC supplied three grids, 142-1/2" O.D. each, using our U-clip and Profile wire screen construction. The grids were built using the same T-Beam style as above. The grids were designed for 50, 70, and 80 psi respectively and constructed using 321 stainless steel materials.

Merichem Chemical & Refinery Service: HSC supplied four 178" O.D. vertical grids designed for 3 psi pressure @ 185 degrees Fahrenheit. These

grids were designed and fabricated to be installed without the use of support beams. Along with the four 178" O.D. grids HSC also supplied four 83" O.D. horizontal grids also designed for 3 psi @ 185 degrees Fahrenheit.

BP Amoco Chemical Company: HSC supplied one 70-1/2" O.D. grid. This grid had four beam notches 13 degrees off each of the major centerlines. It also had a raised packing seal flange and all the splice bars had a unique fabricated U-bar cover to protect the bolting hardware. The grid was designed for a total load of 50 psi pressure @ 453 degrees Fahrenheit and was constructed using Hastelloy C-276 material.

We have also included the following examples to show HSC's grid building capabilities:

- 191" O.D. grid to Merichem Chemical & Refinery Service.
- 160" O.D. grid to Anadarko.
- 161" grid to Vogelbusch USA (HSC is the approved supplier for all Vogelbusch internals).
- 164" grid to High Country Fabricators.
- (3) 142" O.D. grids to TapcoEnpro Systems for Archer Daniels Midland Company.

Please note that in this response we have only included grids that were designed and fabricated by HSC over 95" outside diameter the only exceptions being the BP Chemical grid which we included because of the Hastelloy C-276 material and the collector baskets for Jacobs Shell Global Solutions. Over the years Hendrick has manufactured hundreds of support grids, collector baskets and laterals for the petrochemical industry.

If awarded the grids on this project Hendrick Screen is confident we can provide the design, and manufacturing expertise required to produce a quality grid which meets or exceeds the required specifications.

For further information see our website @ www.hendrickscreenco.com