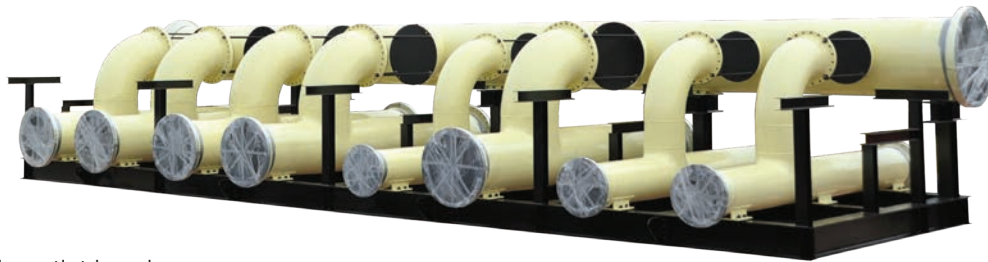




WeldFit Energy Group

specializes in extruding branch outlets to produce single and multiple modularized outlet headers and manifolds.

Extruded outlets have several advantages over more common welded branch connections made possible by several key features.



Key features:

- single or multiple outlet headers
- branch sizes up to 48" NPS
- size-on-size or reduced branch outlets
- header wall thickness up to 4"
- carbon, stainless, and alloy steels- including high-yield material
- designed to satisfy customer requirements and applicable codes
- eliminates stress risers

Benefits:

- Saves space - Reduced footprint
- Extruded outlets allow flexibility in the design, because reinforcement can be included in the neck of the extrusion.
- Extruded outlets eliminate the header to branch weld, which is difficult to produce and not easily radiographically inspected.
- Extruded outlets are often more economical than welded connections, particularly for multiple outlet applications.
- Our process and procedures will minimize any schedule challenges or will help with a lack of infrastructure for our customers.
- Through the modularization process our customers do not have to worry about overages due to weather, union strikes, lack of man power, etc. WeldFit Energy Group controls the product in our manufacturing facility ensuring completion on-time and on-budget.
- Fixed Cost - on site hot work or delays by onsite contractors due eliminated.
- WeldFit Energy Group's expertise with our modularized techniques allows our customers and their contractors to avoid possible complications or issues throughout the project.



Extrusion Process:

Dies are used inside and outside of the part to control the outlet shape. Header sections are extruded hot or cold, depending on exact plate chemistry or requirements. Extrusion may be pre-formed in several stages, with proper heat treatment between operations.

Quality Assurance:

Extruded outlets allow for 100% radiographic examination of all welds and ensure the cross section transition is uniform. Resistance to notch-sensitivity and fatigue failures prevents future quality issues.

Superior Strength:

By moving the weld away from the highly stressed crotch area of the outlet, an extrusion offers a more reliable, proven connection than a welded-in or padded outlet. Fatigue cracking from cyclic or thermal loads is eliminated in some environments by extruded outlets. The butt weld of an extruded outlet also simplifies radiographic examination.

Design Flexibility:

Extruded headers can offer design advantages unavailable with standard fittings. Design flexibility allows placement of outlets where you want them, along with varied specifications to meet stringent code requirements. Outlet configurations can be designed to maximize cost savings or minimize space requirements.

Economical Advantage:

Field labor costs are reduced with extruded headers. Extruded headers eliminate tees and expensive girth welds between outlets as well as the attachment welds needed with reinforcement pads or welded connections.

Modularized headers:

Modular headers, from beginning to end, can be built in less time with less waste. The highest percentage of manufacturing is finished under what is almost always a climate controlled environment inside our manufacturing plant. All additions to a project, including supports, walkways, and stairs can be completed in WeldFit Energy Group's manufacturing facility. WeldFit Energy Group can accommodate a fit-up of all modules with spacers between flanges, matching the exact length of the valves to be installed onsite. The entire header is hydrostatically tested, coated and shipped in units that are numbered for fast, easy installation upon arrival at the jobsite.



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