Evans/Dockweiler
CFOS/PCW/UHP Manifolds

Standard Manufactured Configurations

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Cost, time pressure and lack of skilled labor combined with ever increasing demands on quality for CFOS/PCW/UHP gas systems call for new ways of cooperation.

Drilling and collaring valve combined with sophisticated welding technology eliminates welding and minimizes the dead volume between tube and ball valve flange. Prefabricated lateral sections spool lengths specified by customer in feet.

**Flexibility**
- Critical skilled labor can be redirected to other parts of plant construction
- Last minute changes in design can be made a few weeks prior to shipment

**Reduced Costs**
- Reduce 60-70% required welds
- Over 60% reduction in labor installation time
- Weld Argon required for assembly reduced
- Reduced QA/QC weld inspection
- Reduced material handling
- Documentation package

**Enhanced Quality**
- Manifolds fabricated in a controlled environment
- Fewer particles
- Cutting and facing eliminated, reduced potential for metal particle contamination
- 100% helium leak tested to 1 X 10-8 scc/sec
- Complete QA/QC documentation package provided
- PCW Spool tolerances +/- .25", POC tolerances +/- .25"
- CFOS Spool tolerances +/- .125", POC tolerances +/- .125"

**Condensed Schedule**
- Parallel fabrication with building construction
- Weld free lateral assembly (Optional Presslok connections)
- Reduced purge times on-site
Above part number describes a OFA Lateral 1-1/2" 316L stainless steel tube main 144 ft. long with 12' long spools, 6 each 1/2" stainless ball valves, 1/2" capped compression valve outlet connection and no purge port.
Dockweiler UHP Electropolished Manifolds

CFOS/UHP Packaging