



# ASME- API SERIES COMPACT FLANGE



**FlangeTec® ASME Series** - Design based on **ASME VIII Div. 1 Code Rules** and suitable for Pressure Vessel, Pig Launchers, Heat Exchangers, Separators, Sand Scrubbers, Closures and a multitude of Process Piping applications.

**Advantages** - FlangeTec® Compact Flanges offer over **70% Weight Savings** as well as significant Space savings over standard ASME B16.5 flanges. FlangeTec® is offered in sizes thru 200" (5,080mm) which fall outside of ASME B16.47 and MSS-SP44 Standards, and are manufactured in a multitude of materials.

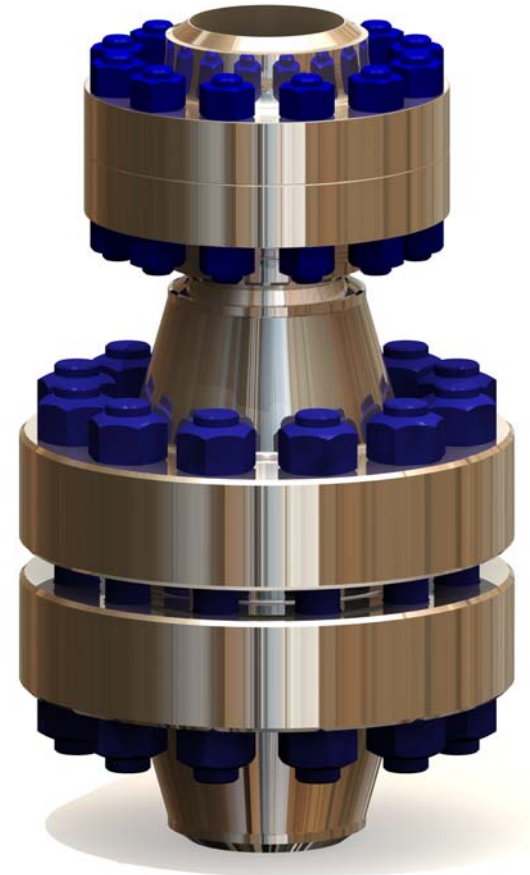
**Size Range** - ½" (12mm) thru 200" (5,080mm). Larger available on request.

**Pressure Classes** - ASME 150lbs thru 4,500lbs, API 5M thru 20M, and -423°F (-269°C) / 1600°F (871°C).

**Materials** - SA105, SA350-LF2, A694-F52-F70, AISI 4130, SA182-F316 (L,H), SA-182-F321(L,H), SA182-F347 (L,H), A182-F51, A182-F55, Safurex, Alloy 625, Alloy 825, Titanium and Hastaloy.

**Gasket** - The FlangeTec® CF Series Compact Flange uses an **all metal** Seal Ring with **over 50 years** of service history. Seal materials are selected based on

application and service conditions. The **pressure energized** bore Seals are elastic by design, and therefore, **Reusable**



8" 2500# FlangeTec® ASME CF Assembly (Sch. 160)  
**Total Weight: 363LBS (165KGS)**  
vs;  
8" ASME 2500lbs Flange Assembly (Sch. 160)  
**Total Weight: 1359LBS (618KGS)**  
**FLANGETEC® ASME CF FLANGE 73% LESS**  
(actual scale, weights accurate to +/-2%)

**NOW AVAILABLE WITH API 6A  
MONOGRAM**



**Design & Engineering Support** - LTS provides both ASME analytical calculation methods in accordance with **Section VIII Division 1, 2 and 3 methods**, as well as **ANSYS FEA** analysis supporting dynamic load, combination loads and thermal load applications. LTS specializes in **High Pressure and High Temperature** solutions and offers integrated design analysis for skid and piping systems using in-house **CEASAR II** software.

**Design Verification** - Building on our extensive **HP/HT** experience, LTS offers Project specific **Prototype Testing**, as well as **Third Party design review** through DNV, Lloyds, ABS and Bureau Veritas, as required.