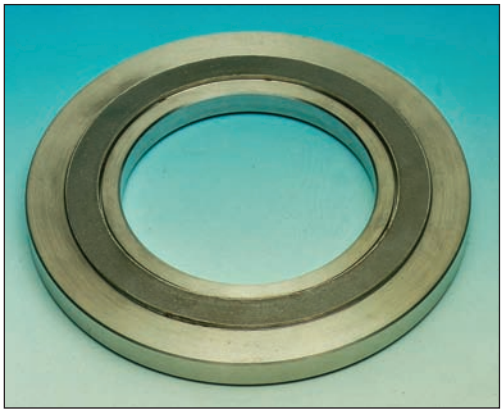
CARRIER RING GASKETS

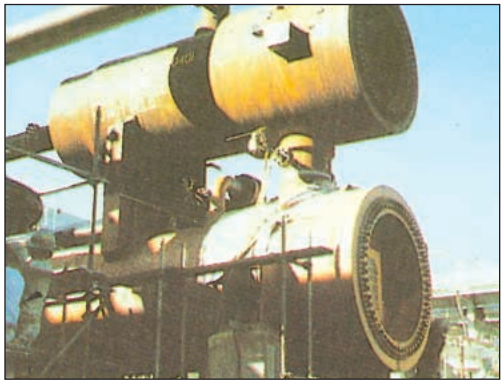
The carrier ring concept consists of a solid metal ring with a machined recess in each face. Spiral wound gaskets are then located in each of the machined recesses.

This type of arrangement has been successfully used in sealing problematic flanges and vessels in the nuclear, power and petrochemical industries. The major benefits of the carrier ring assembly are due to the double spiral wound gasket being present. This results in a very high recovery gasket, ensuring that the bolt load is maintained on the sealing elements when arduous pressure/temperature cycling occurs in service, thus maintaining a seal.

Carrier rings can be used on flat face, raised face or tongue and groove type flange,



as well as non standard flange configurations. They can be supplied for both small and large diameter nominal bores up to class 2500 pressure rating. Carrier rings are also tailor made to suit specific flange arrangements and design conditions.



Typical Applications
The carrier ring concept has been extensively used in the power generation industries, petrochemical and nuclear industries. Typical applications are as follows:

Heat Exchanger
Operating Pressure: 2900 psi
Temperature: 200ºC
Tube Sheet

H.P. Heaters, Fossil Fired Generators,
H.O.T. Construction, Steam Service
Operating Pressure: 700 psi
Temperature: 370ºC

Materials Utilized
316L/Flexicarb®
17-7PH/Flexicarb®
Inc X750 HT (Special high recovery material)

Catalytic Crackers

720ºC, Regenerators, 2980 mm OD
Hydrocarbon Service, Refineries

THE ANSWER IS ALWAYS Flexitallic®