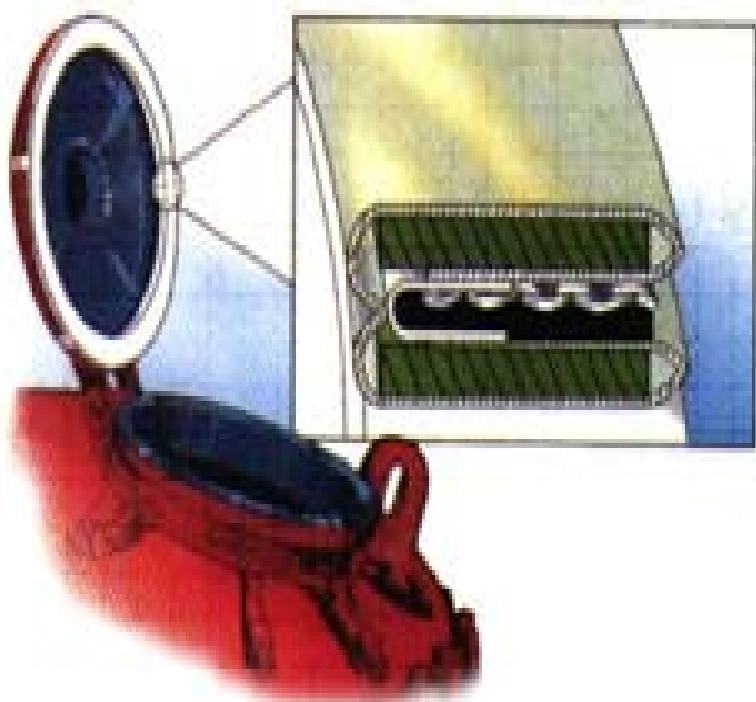




**Chemical Reactor Services**  
**Improved Manway Gasket**



### **Gasket Innovation**

In recognition of problems which may arise on manway gaskets leading to reduced service life. CRS have developed a concept in PTFE envelope design, to add a much improved product to our gasket range.

### **Operation**

On a number of Processes it is necessary to periodically open and close the manway. As a result, gaskets deteriorate with flange re-torquing and frequently the envelope shrinks away from the outside diameter of the gasket.

Our new design with a machined return edge ensures that the envelope stays in place, thus giving overall protection to the insert material from exposure to product.

### **Vacuum Conditions**

When reaction vessels are operated under vacuum conditions, the PTFE envelope and gasket can be drawn into the vessel despite mechanical fixing through the corrugated steel insert.

The design feature again maintains the gasket in position.

### **Moisture Ingress**

Gasket insert material can show deterioration when exposed to external moisture e.g. during vessel wash down, or when the manway door is opened or closed but unclamped.

The New envelope design avoids contact with external moisture with the insert material being totally enclosed.

### **Sterile Area**

Another advantage of the total enclosed gasket is to eliminate exposure of fibrous insert material where sterile conditions are required. In addition nozzle gaskets can also be supplied with total enclosed inserts.

### **Uneven Flanges**

When used with CRS 25 Putty system the new gasket design will compensate for flange distortion and unevenness on glassed faces giving equal loading and avoiding the possibility of damage.