



# Sealing Corporation and Oil Refinery Applications



We have often received requests over the last few months regarding the use of our gaskets in the Petrochemical business. The **Selco Seal®** gasket is used worldwide and has proved to be a problem solver in many previously problematic areas. Many people do not realize our gaskets are also installed as the gasket of choice in Velan, Orbit and Kitz Valves. These Valves are fitted throughout Petrochemical Plants and are already a testament to the Selco Seals excellent performance.

We enclose a few examples to reassure you that this is the gasket to install for long term performance and cost savings.

We can customize our gasket in size, shape, material and sealing element.



## SHELL REFINERY APPLICATIONS



### Shell Calgary

Simon Yuen: Engineer, Head of Pressure Equipment at Calgary Canada.

He informed us that Sealing Corporation was on the refinery Specifications at The Hague and Dave Rolston also saw this spec. The **Selco Seal®** is included in their National Piping Standard. This Specification applies to Shell International.



### Shell The Hague

C Robbe: Head of engineering.

Now retired, was keen on **Selco Seal®** and used it in Europe. Difficult to track what they are using now as order through Distributors and they do not normally specify customer who is placing the order.



### Shell France

Purchase through AWC Distributor has supplied **Selco Seal®** for at least 8 years. Florida Sealing sells our Gasket to many refineries including Shell Anacortes and Tosoro. We supply Shell Martinez heat exchanger gaskets through Pan Pacific.



**SELCO SEAL® GASKETS**  
**SERVICING THE WORLD**

*For a permanent solution to gasket problems, either weld it or SELCO-it.*

## SEALING CORPORATION

7353 Greenbush Ave., North Hollywood, California 91605  
(818) 765-7327 • Fax: (818) 765-8634

**1-800-300-SEAL**

What might be of interest is Shells requirement to use the Selco Seal “hook sleeve” gasket on pumps. Gaskets need to be individually sized for each pump. Shell reported to Pan Pacific that the capability of the gasket to seal the first time can save a lot of money in rework, retest, downtime and lost production.



**Shell Texaco Wilmington**

New construction Engineer Shawn Costner specified our heat Exchanger Gasket. Sales went through McJunkin.

**Shell Chemical Geismar** LA used our gaskets and AWC Packing on a turnaround.

**Shell Montreal, Shell Sarnia, Shell Vancouver, Shell Berre** has also all ordered our gaskets.



**SPANISH REFINERY AND NUCLEAR PLANT**

**Use the Selco Seal® gasket**

The client is the Repsol YPF Refinery in Tarragona Spain. The equipment that they were having problems with was the Plat forming Reactors [Unit 652 item C1, C2, & C3]. This application was dealing with Hydrogen leakage and needed to be sealed tight. Previously Spiral Wounds had been used and has caused constant problems and needed to be replaced frequently. The Specialist suggested solving the problem by replacing the Spiral Wounds with the **Selco Seal®** 24” 600lb gaskets. Forty units were converted and 40 leak problems were solved.

The Nuclear plant was also in Spain. It was the C.N. VandellosII Nuclear Plant in Tarragona. They were having problems with a Heat Exchanger [BM-EO1 A/B] the leaking was unacceptable so the client changed to a custom 910mm X 870mm Heat Exchanger. Four units were successfully installed.



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# ConocoPhillips

We supply gaskets to numerous oil refineries and petro chemical plants. We have a variety of applications in these plants worldwide I have listed below some Conoco Phillips refineries that we supply gaskets too and the distributors that place the orders for us.

CONOCO PONCA CITY OKLAHOMA they have used our gasket in a variety of applications

CONOCO DENVER orders through SW Seal

CONOCO BILLINGS have ordered on past through Familian Northwest.

CONOCO PHILLIPS PUERTO RICO orders through Caribbean Mechanical.

CONOCO PHILLIPS BORGER and CONOCO TEXAS order through Gasket and Packing

CONOCO PHILLIPS NEW JERSEY orders through AWC North East.

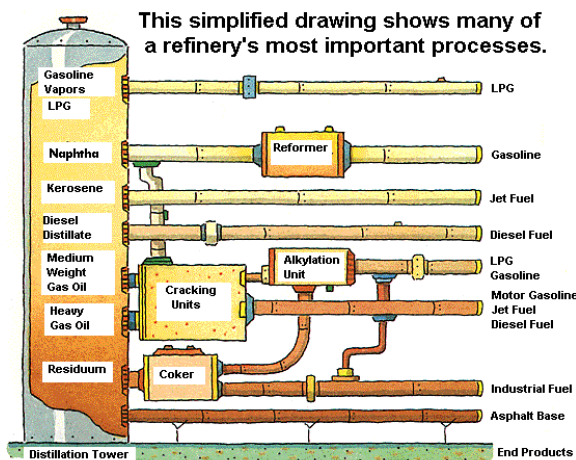
CONOCO PHILLIPS TOSCO order through Progressive Technologies



## HEAT EXCHANGER APPLICATION IN AN OIL REFINERY



HEAT EXCHANGERS have always been a trouble spot in the refineries. Constant thermal cycling results in gasket failure, down time, loss of production, and wasted manpower



The Tosco Refinery in California had one such problem application they were tired of dealing with. The recommendation to try the Selco Seal Heat Exchanger Gasket and fed up with the constant leakage Tosco decided to give it a go.

The goal was to eliminate leakage in the Debutanizer Bottoms Reboiler Heat Exchanger, including upgrading the channel cover and the channel to tube and tube to shell.

The solution was to use Selco Seals Heat Exchanger Gasket to replace the previous gaskets that had constantly failed under the thermal cycling.



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The conditions being dealt with were  
Hydrocarbon 315 OF & 275 psi  
Steam 750 OF & 500 psi  
A successful ROI was achieved.

The Selco Seal Heat Exchanger Gasket eliminated the previous need for frequent retorquing and gasket changes. There was improved overall facility efficiency which resulted in an extended trouble free operation. There was no longer a need for repeated gasket replacement eliminating downtime except for routine maintenance and cleaning of the Re Boiler itself. Seventy percent of the gaskets cost is associated with the insulation and not the gasket.

## **A small selection of Selco Seal Refinery Accounts we have gained over the years**

BP Amoco Whiting  
AWC Texas  
BP Exploration Alaska  
Southwest Seal  
Shell Vancouver  
Caribbean Mechanical  
Suncor Canada  
Petro Canada  
Shell Montréal

AWC Chicago  
BP Arco Carson  
Conoco Ponce City  
Conoco Billings  
Familian Northwest  
Irving Oil Canada  
Phillips San Juan  
Shell Anacortes  
Canada Quebec

Amoco Houston  
Conoco Denver  
Shell Bere  
Gulf Oil  
Tosco N.W.  
Mobil Torrance  
Phillips Borger  
Shell Wilmington  
Shell Sarnia

Applications: Cracker, Tube - Shell and Fin Fan Heat Exchanges, Valve Bonnet, Sight Glass, Pump Casing & Hook Sleeve Gaskets

UPGRADE YOUR CUSTOMERS TO THE BEST ENVIROMENTAL CLEAN AND GREEN GASKET  
AVAILABLE ...INSTALL THE SELCO SEAL GASKET TODAY



**I hope this proves helpful. Please don't hesitate to contact  
[sales@selcoseal.com](mailto:sales@selcoseal.com) for more information.  
Or to place an order...TEL# [818] 765-7327**



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