

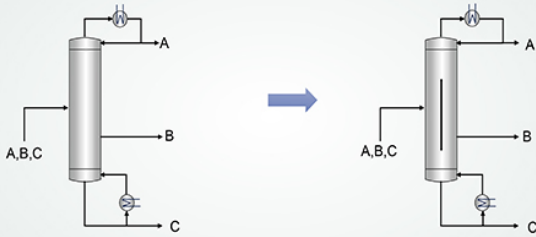


**DWC**  
INNOVATIONS

**DWC Prime**  
Product Brochure

# DWC PRIME

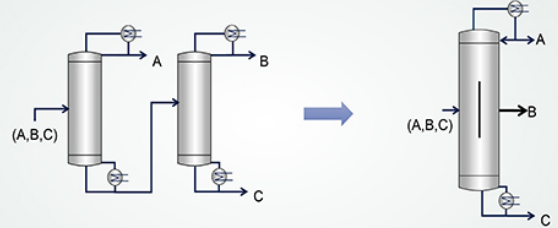
## DWC Prime : An alternate to a sidecut column



Revamps of sidecut columns to DWC Prime results in increasing the throughput and better product specifications.

Typical applications include Naphtha / Reformate Splitter, IC5/NC5/C6

## DWC Prime : An alternate to a two column sequence



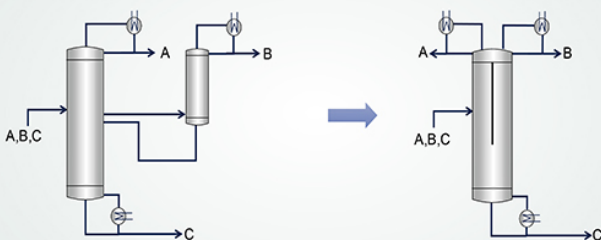
Combines two columns into one.

20-50% reduction in OPEX and CAPEX

Lower foot print : Equipment count reduced by half

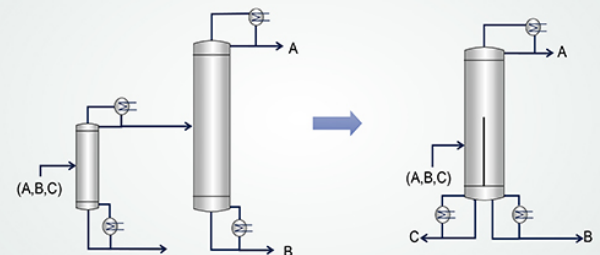
- ① Our state of art innovation DWC Prime is recognized for its robustness and flexibility.
- ② Suitable for separating multicomponent mixture into three or more high purity product streams in a single column.
- ③ Ideal alternative for revamp of sidecut columns when high purity is required from the three product streams.
- ④ Lower foot print as equipment count is reduced by half.
- ⑤ Equipment turnaround time and other miscellaneous expenditure are reduced.
- ⑥ It is seen that the operational and capital expenditure both are reduced by approximately 20-50%.

## TDWC Prime : An alternate to a conventional column with a side stripper



TDWC Prime (Top dividing wall column) provides an additional source for overhead vapor heat integration with other process streams.

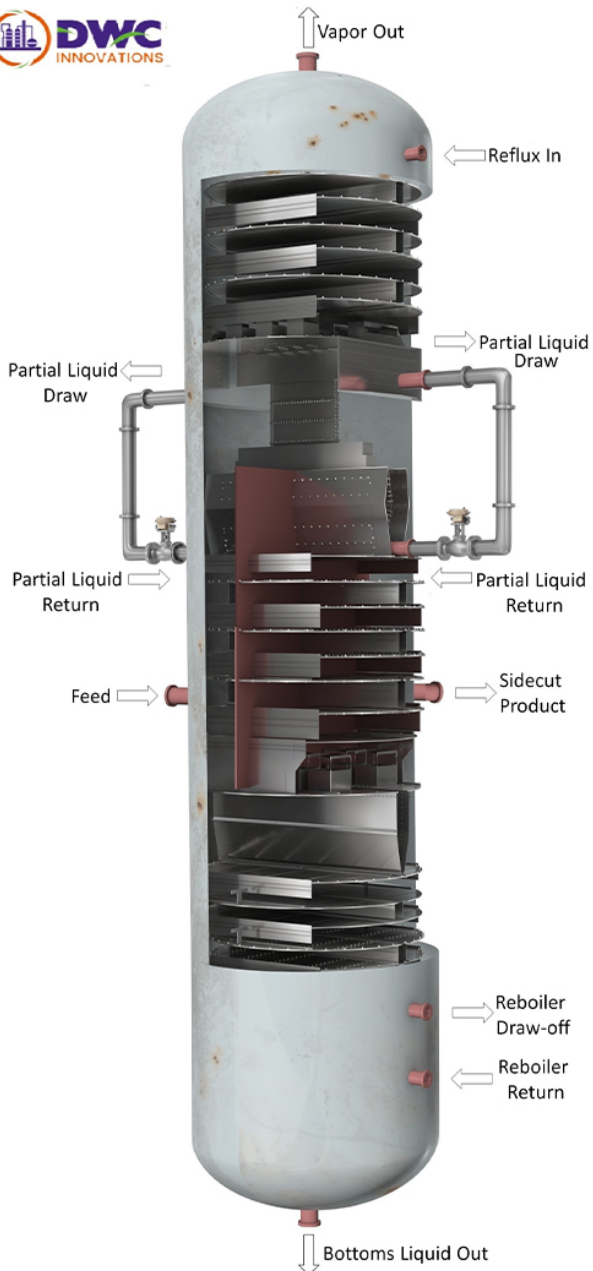
## BDWC Prime : An alternate to an indirect conventional column sequence



BDWC Prime (Bottom dividing wall column) typically replace columns arranged in an indirect sequence.

Typical application include C4 and C5 separations

# DWC PRIME



**DWC Prime Column**

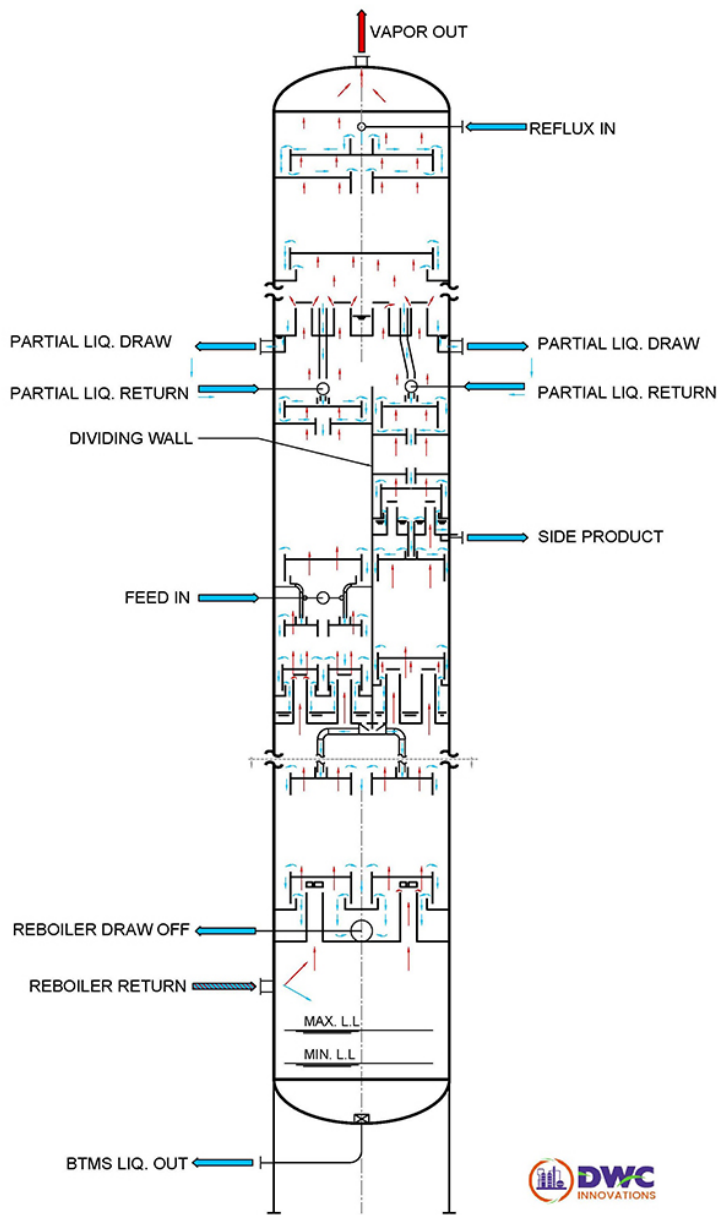
Since the mid 1940s, Dividing Wall Column (DWC) technology has provided a way to reinvent age-old distillation methods. With latest advances in process simulators and design methods, DWCs have emerged as a viable technology over the course of the previous two decades.

The added benefit of lower capital investment combined with lower operational cost have helped these columns gain in popularity over their conventional counterparts. At DWC Innovations, our motto is to help our Client's actualize their full potential by reaping the benefits of DWC technology, be it as a stand-alone column or as part of a bigger complex project. For this purpose, we have developed our highly adaptable DWC-Prime technology.

When applied to sequential multi-component separation, DWC-Prime can separate the feed into two or more purified streams within a single tower thus eliminating the second tower. We can also integrate DWC-Prime in existing refining technologies, thereby saving our Client's both money and energy. We aim to deliver these solutions by high caliber of our personnel and strong relationships with our customers

# Salient Features

DWC PRIME COLUMN ELEVATION



## DWC Prime offers a complete Package from project feasibility to installation

Starting from critical evaluation of the process requirements to the complete process design optimised as per the customer's requirement is done for reliable and smooth operation .

### Robust Control Scheme.

DWC Prime is backed by a robust control scheme. The control schemes are derived from extensive dynamic simulation models. Depending on the complexity of the application the control schemes can be conventional or based on advanced process control.

### Local Manufacturing of internals

Local Manufacturing of internals ensure shorter delivery schedules and better project economics.

### Energy Optimization

DWC Prime team has extensive background in energy optimization. Many of our DWC's are integrated with other process units resulting in further lowering energy requirements.

### Complete project management :

Team DWC is equipped and is highly capable to handle complete detailed engineering , manage site and complete procurement process to the best of customer satisfaction



## Corporate Headquarters

2500 Wilcrest Suite 300 Houston 77042 US

Phone : +1 832 220 3630

Email : [info@dwcinnovations.com](mailto:info@dwcinnovations.com)



## Project Office

Phone : +91 982 852 5506

Email : [hr@dwcinnovations.com](mailto:hr@dwcinnovations.com)