

IMPERVITE® MB SERIES CYLINDRICAL BLOCK EXCHANGER

With over 125 combined years of design and manufacturing experience, our current practices were used to help establish the high standards that the CPI has come to expect when working with graphite units. In particular, our heavy duty Multi-Blox® (MB) cylindrical Impervite® graphite block unit has always been the workhorse of the industry, being the first choice for corrosive, demanding, and/or critical applications.

Our block heat exchanger is designed and fabricated to deliver the highest level of operational reliability, safety, and combined performance when compared to competing designs. Only the MB unit has the following combination of features and potential benefits.



LONGER MONOLITHIC BLOCK ELEMENTS

The MB unit can be supplied with elements consisting of monolithic blocks up to 26" long (size #3). This eliminates inter-block gaskets and greatly reduces the risk of blocks cracking due to uneven or point loading. In addition, if required due to your process conditions, the time required for periodic preventive maintenance or manual cleaning of blocks is kept to an absolute minimum.

LARGE RIB WIDTH

The MB unit is designed with a wider graphite ligament between drilled holes currently available in the industry. This design feature keeps the operating stresses caused by process conditions and spring loading to an absolute minimum. This is of vital importance for maintaining the integrity of the block, ensuring a strong, reliable unit that will operate trouble-free for many years.

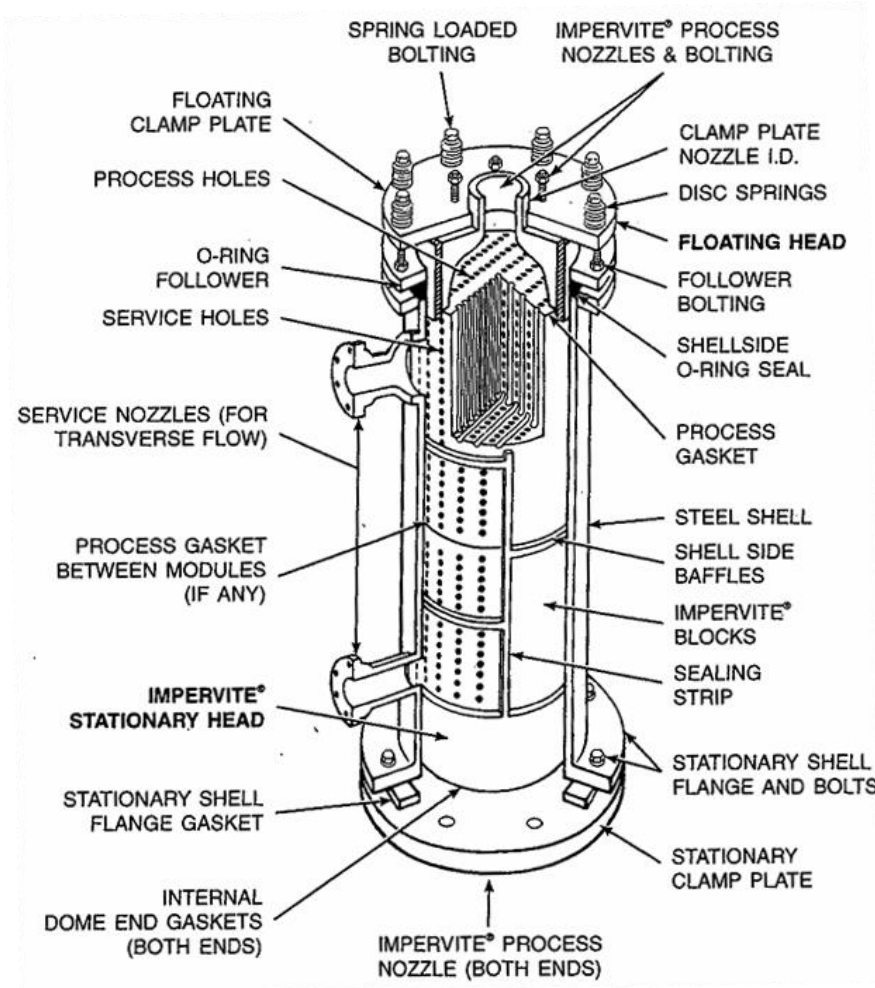


ELASTOMERIC O-RING SEAL

The floating dome packing has been replaced with a highly reliable O-ring seal. This eliminates what can be a source of constant maintenance.

INDEPENDENT BAFFLE CAGE

Most competitive designs will use the space between the blocks to “seat” some or all of the service side gaskets. Therefore, the service fluid flow forces are transmitted directly into the block sealing gasket area which can lead to premature gasket failure. In our cylindrical units, the metal baffle cage is totally independent of the graphite blocks, eliminating these dangerous external loads on the graphite.



Cut away view of typical construction for MB series cylindrical block unit



Ceramic. Graphite. Heat Exchangers. Process Equipment

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