

“FLUSH FREE” SERVICE

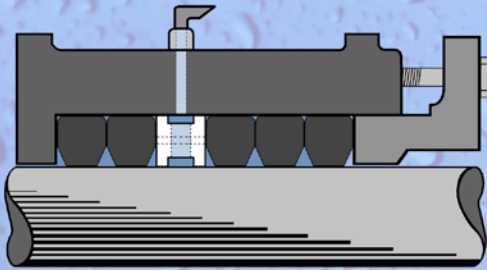
New England
BRAIDING
COMPANY INCORPORATED Since 1979



Most applications for packing require a flush water system to maintain equal pressure to ensure that no product infiltrates into the stuffing box and on a properly sealed system, no water seeps into the product.

The water reaches the shaft via the holes in a lantern ring which can be made of a variety of materials, such as metal or PTFE. The function of a lantern ring is to allow pressurized water/oil/grease into the stuffing box to help cool the pump shaft or sleeve and to keep contaminants out, greatly extending the life of your equipment and packing. This process is essential to maintain a properly running pumping system.

Typical Flushed System



With graphite & carbon-based packings there is an option in certain applications, within specifications, to operate the equipment in a “flush free” state. This means that there is the possibility of eliminating the flush water system and lantern ring entirely.

The excellent heat transfer properties of these yarns allow the heat generated by the shaft to transfer to the pump housing, taking the place of the flush water for cooling & lubrication. Running “flush free” can eliminate flush waste, reduce fretting corrosion and may be adjusted to run leak free. This can mean fewer gland adjustments, further reducing your operational cost.

Typical Non-Flushed System



Styles 702, 728 & 7800 may be used to attempt “flush free” service. These styles are constructed with graphite and carbon-based yarns, that produce a self-lubricating packing that can extend the shaft or sleeve life of your equipment.

Our Vibradamp® packing can provide the flush-free solution for successful sealing where shaft stability has been a problem. Within its specifications, agitators, blenders and pumps may be reliably operated without seal water.

For abrasive service install a NEBCO™ style 1900 SATB® where applicable or die formed ring of NEBCO™ style 702 AKII® into the bottom of the stuffing box, combine with style 7800 for the ultimate combination set for rotating equipment when flush free service is attempted.

There are several conditions that must be met in order to successfully seal equipment without a flush. Please see our general guidelines for “flush free” service flier for more information.

Contact Us

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