

COVER

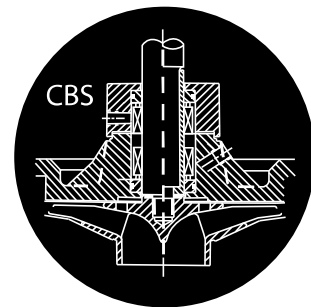
The cover for DPUMPS models is available in four (4) different configurations depending on the jobsite requirement. DPUMPS models feature the Flow Modified (FM) seal chamber that keeps solid matter from collecting in the seal chamber causing premature seal failure. The FM bores are available in a small bore (FMS), and large bore (FML), all designed to meet the process requirements of the seal industry. DPUMPS models can also be supplied in a standard Cylindrical Bore (CB) arrangement. The CB bores are available in a small bore (CBS) and large bore (CBL) both designed to meet the process requirements of the seal industry. Seal chambers have provisions for various flush plan arrangements customizing the seal chamber to meet the requirements of the end user. If it is required, packing with a lantern ring can also be supplied. A wide variety of component and cartridge mechanical seals can be used with DPUMPS standard components.

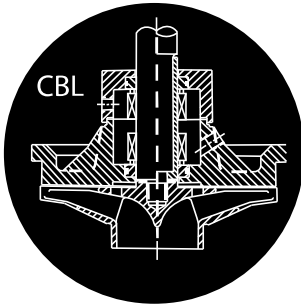
COVER TYPES

CBS

Cylindrical bore design for packing arrangements and conventional seals with small gland bolt and gasket circles

- Dual internal component seals. Isolates the seal chamber from the process. Allows less expensive seal materials. Recommended in tough slurry applications. Allows for thermal convection type flush plans; however, pumping ring devices are recommended. Note: External Flush Plans 52, 53, 54
- Single internal component or cartridge seals when applied with a throat bushing. Usually selected to increase stuffing box pressure above the vapor pressure to avoid cavitation, etc.
- Usually preferred over the CBL when jacketing is selected for increased effectiveness in cooling. Note: Applied with Plan 11, etc.





CBL

Oversized, cylindrical step bore design for seals with large gland bolt and gasket circles.

- Dual internal component seals. Isolates the seal chamber from the process. Allows less expensive seal materials. Recommended in tough slurry applications.

Note: Use External Flush Plan 54. Others (i.e., Plans 52, 53) not recommended without close tolerance pumping mechanism.

- Single internal component or cartridge seals when applied with a throat bushing. Usually selected to increase stuffing box pressure above the vapor pressure to avoid cavitation, etc.

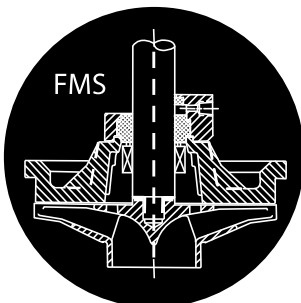
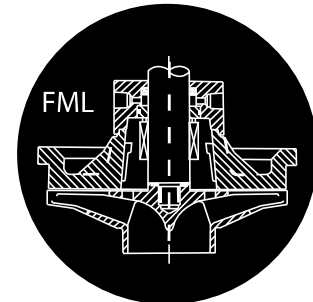
Note: Applied with Plan 11, etc.

FML

Oversized, tapered bore with 8 specially shaped and evenly spaced cast-in flow modifiers. Designed for seals with large gland bolt and gasket circles.

- Single internal cartridge seals.
- Dual internal/external cartridge seals.
- Single internal component seals with flexibly mounted seats.
- Dual internal “true” tandem cartridge seals.

Note: Bypass flush to internal seal normally not required. Barrier fluid or external flush may apply to dual seals (Plans 52, 53, etc.).



FMS

Same chamber design as FML but accommodates seals with small gland bolt and gasket circles.

Same seal and flush plan recommendations as for FML. Single seals with all types of seat mounting configurations can be installed. FMS design is provided for the convenience of customers with seal standards that include small glands.