

CHESTERTON®

CMS

Manufactured
Under a NSAI
Registered ISO 9001
Quality System

2000

CHESTERTON
MAINTENANCE SYSTEM

The Revolutionary Advance In Stuffing Box Leakage Control

- No flush ever needed
- Virtually no stuffing box leakage
- Never disassemble to repack again
- Eliminate individual inventories; standardize plantwide with one formulation
- Amazingly economical per stuffing box
- Effective with worn, fretted sleeves
- High purity, fiber reinforced composite forms homogeneous sealing mass
- Available in graphite and white, non-staining formulation
- Exclusive *Internal Laminar Shear™* prevents frictional wear of shaft or sleeve

Load the stuffing box with individual CMS-2000 Sticks or CMS-2000 Cartridge then top off as needed. Cartridge gun delivers 10,000 psi (700 BAR) to fill irregularities in the stuffing box and effect total sealing.

Quick release fittings let you use a single gun for each section of the plant. Maintenance has never been easier, faster or more economical!

Just two braided end rings prevent extrusion.

Also available in graphite.



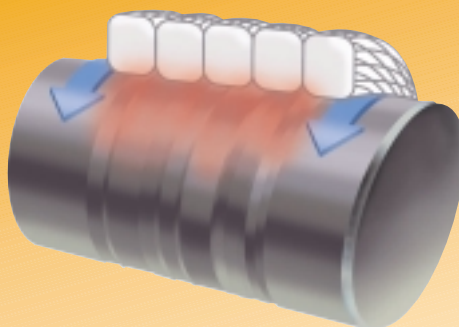


No packing set works like it, or protects your shafts better

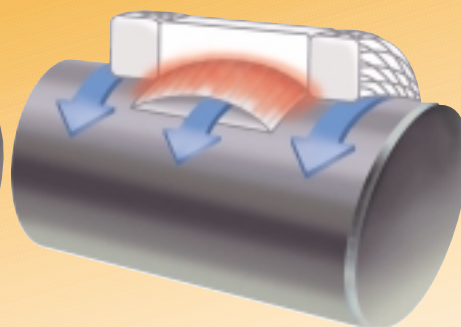
In operation, CMS-2000 Pump Sealants cling to shaft or sleeve on the inside diameter and to the stuffing box wall on the outside diameter. The Sealant is designed to experience **Internal Laminar Shear™** so that relative rotation takes place within the low friction Sealant, not against your shaft or sleeve. Equipment is protected from the aggressive fretting common with conventional packings.

Creates a solid composite ring that has no leak paths

CHESTERTON CMS-2000 Pump Sealants create an endless composite ring, custom formed to the irregularities of the stuffing box and shaft or sleeve. There are no leak paths and flush can be eliminated. CMS-2000 Sealants can virtually stop leakage while saving money on flush addition and reclamation, sleeve replacement and conventional packing inventory to fit various pump sizes.



Conventional packing binds the shaft, causing costly fretting damage.



CHESTERTON CMS-2000 Internal Laminar Shear™ prevents sleeve damage.



CHESTERTON CMS-2000 Pump Sealant is provided in stick and bulk form for initial stuffing box loading and in cartridges for final sealing under pressure to eliminate voids. Cartridges are then used for all subsequent sealing. The new Manual System is shown above. This new system offers an improved gun design and comes with its own carry case equipped with injection hoses, hydraulic fluid, flow-through fittings, a spanner wrench and a CMS-2000 volume calculator.



The Automated Injection System offers increased delivery speeds, total portability and all day power during in-field use. This system provides 8 hours of battery-operated hydraulic delivery, automatic cylinder retraction, one-hand operation and remote control capability.

TECHNICAL DATA

TEMPERATURE LIMIT:	Graphite	Minimum 0°F (-18°C)	Maximum 400°F (200°C)
	White	Minimum -40°F (-40°C)	Maximum 400°F (200°C)
SHAFT VELOCITY:	Graphite	1600 fpm (8 mps)	
	White	2000 fpm (10 mps)	
CHEMICAL RESISTANCE:	Graphite	pH 4-13 not recommended for oxidizing agents pH 1-13 not recommended for oxidizers, fluorine, chlorine trifluoride and related compounds, and molten alkali metals.	
	White		

Internal Laminar Shear is a trademark of A.W. Chesterton Co.

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