

FLUSH-GARD™

Thomson Sealing System

Reduces flush water and extends equipment life



Specifications

Materials:

FLUSH-GARD™ bushing:

Standard material Carbon graphite-filled PTFE

Optional materials:

Stainless Steel 304SS, 316SS & 17-4PH SS
Bearing Bronze and Aluminum Bronze Alloy 954

Temperature:

-250°F (-157°C) to +450°F (232°C)

Surface speed:

2,500fpm (12.7 m/s) **

pH range:

0-14 (except strong oxidizers)

** Speed >2,500fpm contact A.R. Thomson Group

Recommended Installation

Thomson Flowmeter ESF1335-PSEXXX, inline check valve FLUSH PLAN 32 shut off any discharge lines, Gland water supply +25psi > stuffing box pressure to ensure positive flow.

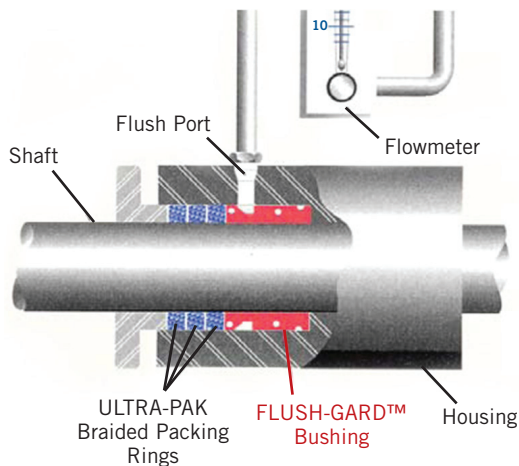
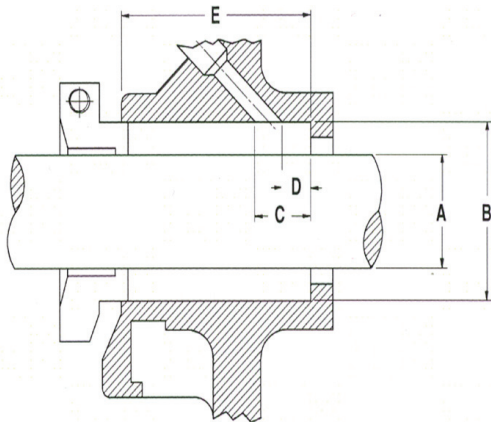
FLUSH-GARD™ - Garlock Sealing Technologies
ULTRA-PAK - A.R. Thomson Group

Benefits

- **Extends equipment life** by protecting sleeve (non contact) and isolates packing from media attack.
- **Significant cost savings:**
 - Reduces flush water requirements as much as 70-90% (as demonstrated with the installation of a Thomson ESF Flowmeter)
 - Eliminates packing extruded into the process.
 - Reduces number of packing rings and includes integral lantern ring – never lose lantern ring position again!
- **Controls the stuffing box environment:** Harmful solids & particulate are contained from entering the stuffing box as the flush water is forced by the FLUSH-GARD™ bushings' unique design –(integral tangential multi-porting) toward the pumped media utilizing the shaft's rotation & centrifugal forces that are created; allows small amount to lubricate the compression packing.
- **Axially Split design installs quickly,** easily retrofitted into existing stuffing boxes typically with no equipment modification required.

Flush-Gard™ Sealing System

- (1) FLUSH-GARD™ split bushing
- (3) ULTRA-PAK Flexible graphite braided packing rings
- (1) Thomson Flowmeter ESF1335-PSEXXX
- (1) SS metal pump tag
- (2) Pullers, installation lubricant & instructions



Application Data

Customer _____
 Equip. Manufacturer _____
 Equip. model _____
 Equip. reference number _____

Dimensions:

A _____ (sleeve / shaft)
 B _____ (s/box bore)
 C _____ (end of flush port)
 D _____ (start of flush port)
 E _____ (s/box OA length)

Operating Conditions:

Media _____
 Pressure _____ bar or psig
 Temperature _____ C° or F°
 Shaft Speed _____ rpm
 Shaft rotation CW or CCW (viewed from Motor end)

AUTHORIZED DISTRIBUTOR

ARTG10519