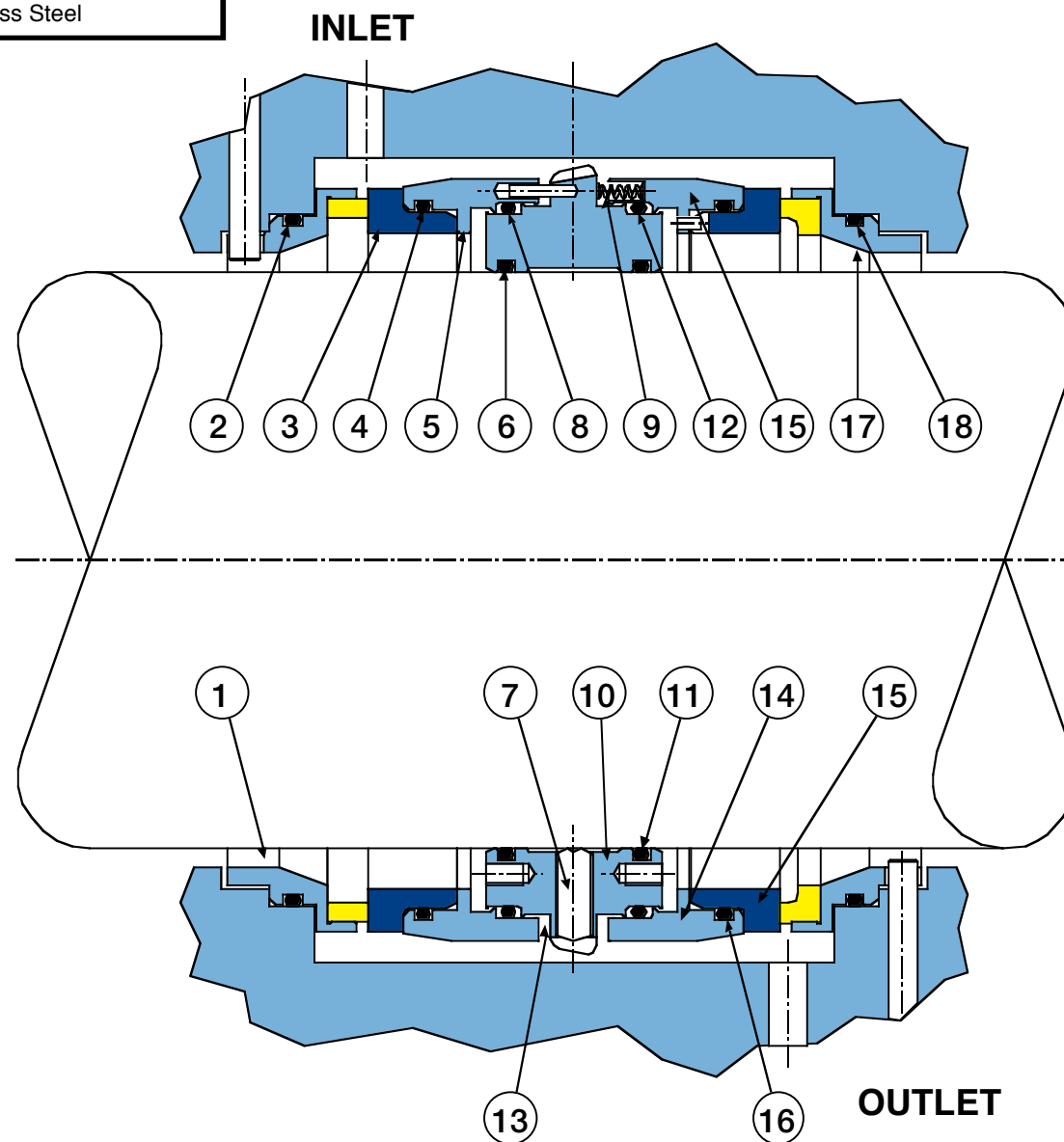
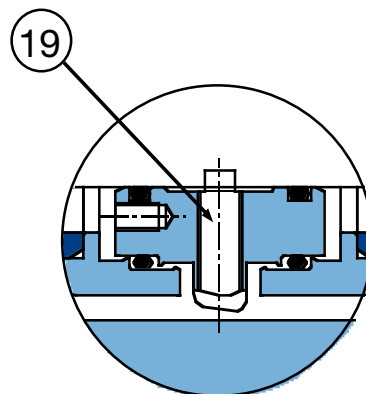


ITEM	DESCRIPTION	QTY	MATERIAL
1	Stationary Face	1	316L SS/TC
2	Stationary O Ring	1	Viton-EPR-Aflas
3	Rotary Face	1	TC
4	Rotary Face O Ring	1	Viton-EPR-Aflas
5	Rotary Holder	1	316L SS
6	Inner Barrel O Ring	1	Viton-EPR-Aflas
7	M10 Drive Screws	5	Stainless Steel
8	Rotary O Ring	1	Viton-EPR-Aflas
9	Springs	28	Hastelloy C
10	Inner Barrel	1	316L SS
11	Inner Barrel O Ring	1	Viton-EPR-Aflas
12	Outboard Rotary O Ring	1	Viton-EPR-Aflas
13	Springs Not Shown	28	Hastelloy C
14	Outboard Rotary	1	316L SS
15	Outboard Rotary Face	1	316L SS/Chrome Oxide-TC
16	Outboard Rotary Face O Ring	1	Viton-EPR-Aflas
17	Outboard Stationary	1	316L SS/Carbon
18	Outboard Stationary O Ring	1	Viton-EPR-Aflas
19	M10 Dog Drive Screw	1	Stainless Steel



**Pre-Installation Checks.**



- (i) Shaft Outside Diameter is within tolerance  $\pm 0.002'' (\pm 0.05\text{mm})$
- (ii) Shaft run out  $< 0.004'' (0.1\text{mm})$  T.I.R.
- (iii) Shaft end float  $< 0.005'' (0.13\text{mm})$ .
- (iv) Fluid seal can be obtained on the Stuffing Box face.
- (v) There are no sharp edges over which the 'O' Rings (2, 6, 11 & 18) must pass.

**Installation instructions.**

1. Lubricate the inner barrel & stationary face 'O' rings (2, 6, 11 & 18) with the grease provided.
2. Insert stationary face into housing and ensure anti-rotation pin engages into slot.
3. Slide seal assembly onto shaft & tighten dog point screw (19) into location hole. Tighten remaining drive screws (7). Insert stationary face into housing ensure anti-rotation pin engages into slot.
4. Bring together Gyroclean light reject rotary cleaner & tighten bolts.
6. Spin the shaft by hand. Listen and feel for any shaft binding, etc.
7. Connect the quench and drain connections on the pump housing.
8. Ensure the Gyroclean light reject rotary cleaner is primed prior to start up.

In the absence of original equipment/fluid manufacturers instructions, ensure that the selected barrier/buffer fluid has an auto-ignition temperature at least 50°C (90°F) ABOVE the maximum surface temperature of any component with which it may come into contact, both in normal operation and in the event of leakage from the seal or barrier system.

**Note:** under certain conditions the auto-ignition temperature of a fluid can be reduced, for example if an oil is allowed to soak into damaged or unprotected insulation. If any potential sources of ignition are present in an area, it is advisable to select a barrier fluid which has a flash point higher than the maximum surface temperature of any component with which it may come into contact.

**DECLARATION OF INCORPORATION**

This Mechanical seal must not be put into service until the relevant machinery into which it is incorporated has been declared to be in conformity with the provisions of the Machinery Directive.

C.J. Rea  
Managing Director, AESSEAL plc

**BACK TO BACK MECHANICAL  
GCS SEAL  
TO SUIT  
GYROCLEAN LIGHT  
REJECT ROTARY CLEANER  
INSTALLATION INSTRUCTIONS**



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