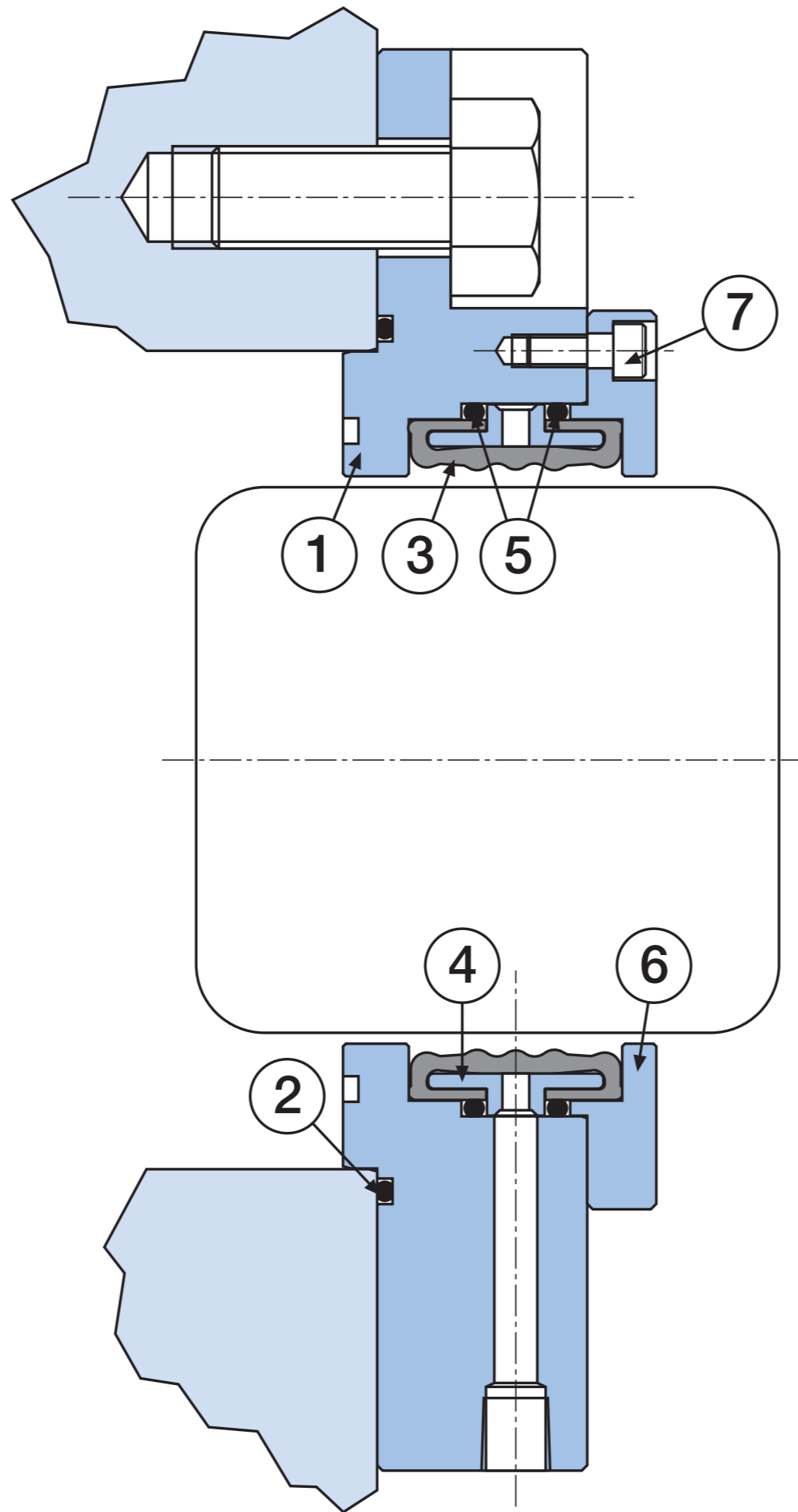


Side view showing RDS™ seal attached to ISOS™ Inflation Shut off Seal.



Ex Mechanical Seals are Machinery Elements for ATEX 2014/34/EU & IECEx equipment. Documentation available on request.

Pre-Installation Checks.

- (i) Shaft Outside Diameter is within tolerance $\pm 0.002''$ ($\pm 0.05\text{mm}$)
- (ii) Shaft run out $< 0.004''$ (0.1mm) T.I.R.
- (iii) Seal chamber face runout (shaft squareness relative to mounting face) $< 0.5 \mu\text{m}/\text{mm}$ (0.0005 in./in) of seal chamber bore diameter.
- (vi) Fluid seal can be obtained on the Stuffing Box face.
- (v) There are no sharp edges over which the inflatable bladder (3) must sit.

Note: Items 1,3,4,5,6 and 7 are assembled in the factory and all will be called ISOS™ in following instructions..

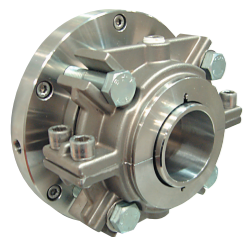
Installation instructions.

1. Insert the Housing O Ring (2) on ISOS™.
2. Insert ISOS™ in the position in correct direction and equally tighten to the Stuffing Box Housing.
3. Rotate the shaft to be sure it is not in contact with the Bladder.
4. Connect the inflating medium supplier pipes on ISOS™ ports.
5. Install the Mechanical Seal in correct direction and equally tighten it to the ISOS™ (follow the installation procedure for each specific Mechanical Seal that is used).
6. To operate/inflate ISOS™ (after Mechanical seal was used), **ALWAYS REMEMBER THE SHAFT MUST NOT ROTATE WHILE ISOS™ IS INFLATED.**
7. After installation of the Mechanical Seal or to run the shaft again, **ALWAYS REMEMBER TO DE-INFLATE THE ISOS™ BEFORE RUNNING THE SHAFT**



All metallic components are widely recyclable. Once the seal has reached the end of its life, it should be disposed of in accordance with local regulations and with due regard to the environment.

Item	Description	Material
1	Main Housing	316L Stainless Steel
2	Housing O Ring	FKM - EPR - FFKM - TFE/P
3	Inflatable Bladder	EPDM - NBR - FKM
4	Inner Ring	316L Stainless Steel
5	Bladder O Ring	FKM - EPR - FFKM - TFE/P
6	Cover Plate	316L Stainless Steel
7	Caphead Bolt	Stainless Steel



ISOS™

Inflation Shut Off Seal

INSTALLATION INSTRUCTIONS



II 2 G D

Ex h Gb/Db



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