

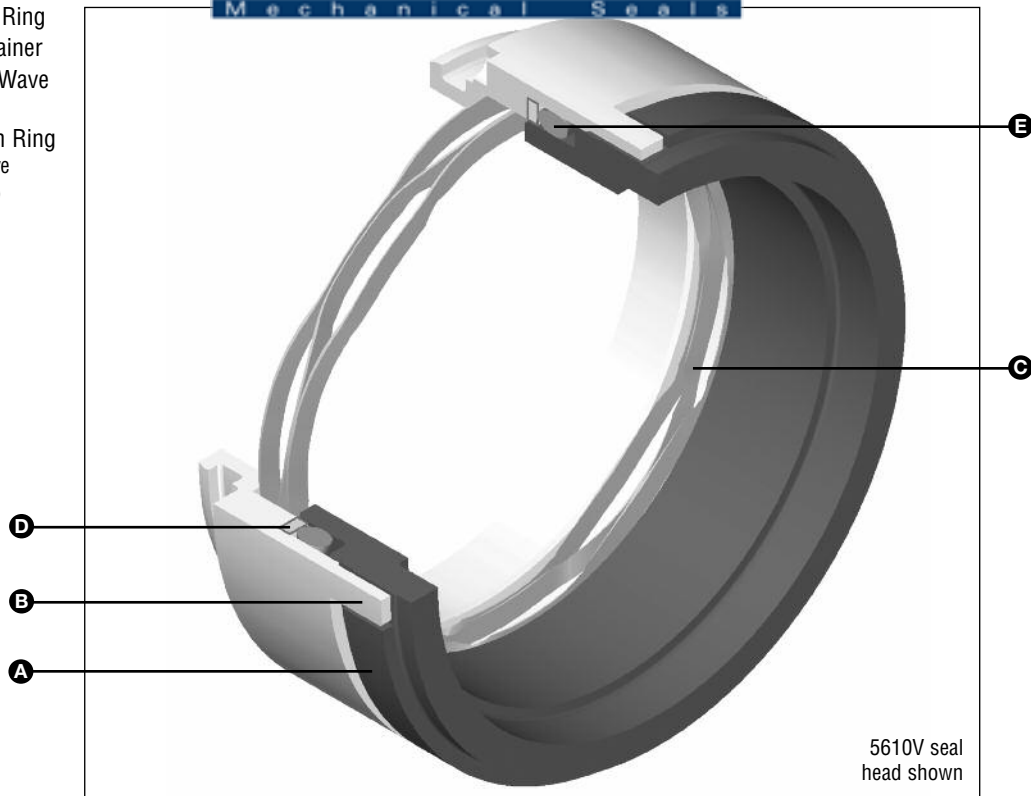
EAR DRIVE O-RING SEAL

TYPE 5610V/5610VQ/5620VP

Technical Specification

WORLD SEAL
 Mechanical Seals

- A – Face/Primary Ring
- B – Ear Drive Retainer
- C – Nonclogging Wave Spring
- D – Anti-Extrusion Ring
(Only sizes above
75mm / 3.000")
- E – O-ring



Product Description

The specially engineered, fully interchangeable ear drive O-ring seal head extends the functionality of the 5600 series product line for standard ANSI and large bore pumps.

The Type 5610V is a single cartridge using the ear drive O-ring pusher seal head.

The Type 5610VQ is a single cartridge arrangement using the ear drive O-ring pusher seal head along with a quench gland containing a carbon ring throttle bushing.

The Type 5620VP is a dual cartridge arrangement using the ear drive O-ring pusher seal head.

Performance Capabilities

- Temperature:
-30°C to 205°C / -20°F to 400°F
- Pressure: up to 75mm / 3.000": 21 bar g/300 psig max.
over 75mm / 3.000": 13 bar g/200 psig max.
- Speed: up to 25 m/s / 5000 fpm
- End play/axial float allowance: 0.13mm/0.005"
- Runout/out of squareness: 0.05mm/0.002"

Design Features

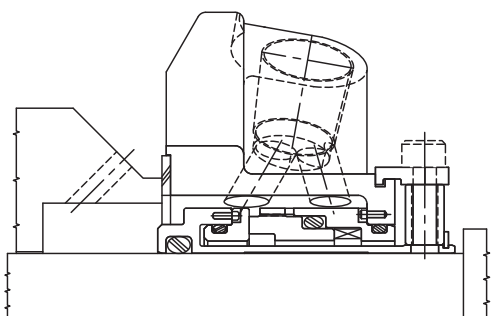
- Ear driven primary ring ensures maximum seal life under a wider range of operating conditions
- Retrofits with existing 5600 seal heads
- Optimized primary ring design provides greater reliability
- Nonclogging wave spring is located outside of the product

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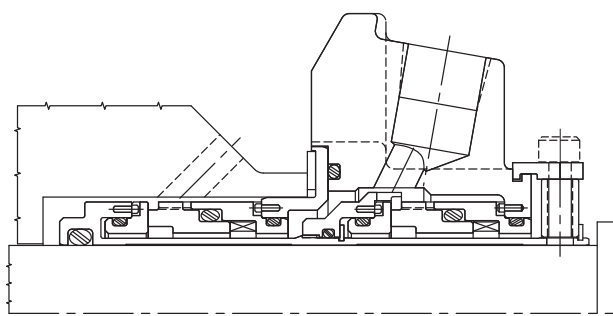
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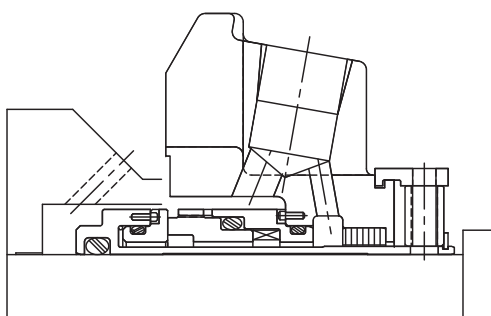
Type 5610V



Type 5620VP



Type 5610VQ



Type 5610V Seal Head



Materials of Construction

SEAL COMPONENTS	MATERIALS	
Description	Standard	Options
Face/Primary Ring	Resin-Impregnated Carbon	Sintered Silicon Carbide Nickel Binder Tungsten Carbide
Retainer Anti-Extrusion Ring	316 Stainless Steel	Alloy 20CB3 SS (UNS N8020) Alloy C-276 (UNS N10276) Titanium
O-ring	Fluoroelastomer Ethylene Propylene	Perfluoroelastomer Buna-N Neoprene
Spring	Alloy C-276 (UNS N10276)	—