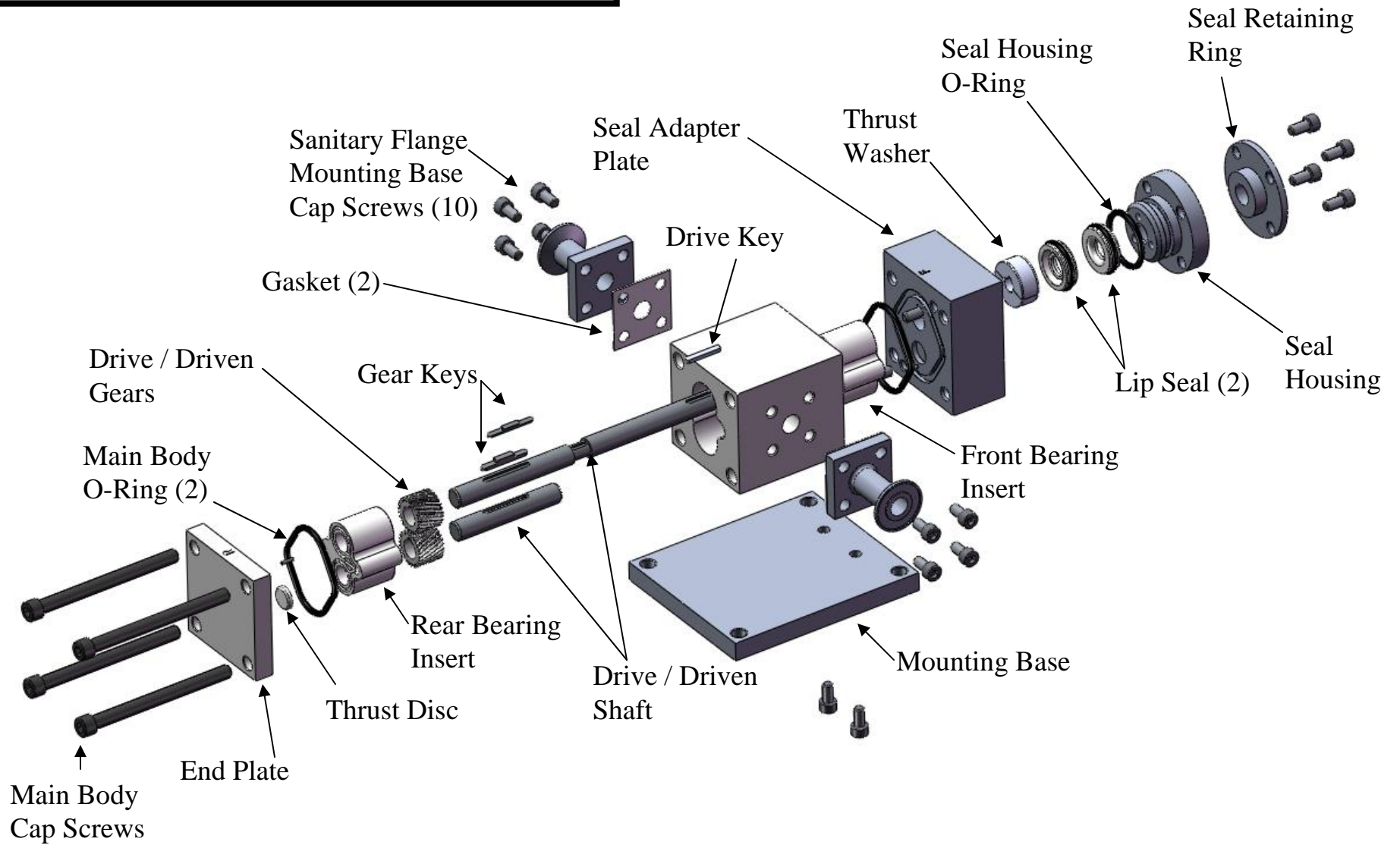


Typical NPC Exploded View



MATERIALS OF CONSTRUCTION

Helical Ground Gears

Precipitation Hardened Stainless Steel
Type 17-4 – Heat Treated to 40-48 Rockwell C
Magnetic Particle Inspected
Ground to AGMA Standard 11-13
Passivate cleaning process (QQ-P-45)

Pump Drive and Driven Shaft

Precipitation Hardened Stainless Steel
Type 17-4 – Heat Treated to 40-48 Rockwell C
Magnetic Particle Inspected
Ground
Passivate cleaning process (QQ-P-45)

Bearing Inserts

25% Glass Filled PTFE
See Attached Data Sheet

Seal Housing

300 Series Stainless Steel

Pump Mounting Base

Stainless Steel

Thrust Washer

25% Glass Filled PTFE

End Plate

Stainless Steel

Pump Cylinder

316 Stainless Steel
Passivate cleaning process (QQ-P-45)

Seal Adapter Plates

316 Stainless Steel
Passivate cleaning process (QQ-P-45)

Shaft Seal

(2) PTFE Lip Seals

Pump O-Rings

Viton[®] Elastomer

Pump Cap Screws

Stainless Steel coated with
Dycronite[®] Anti-Seizing compound

Seal Retaining Ring

300 Series Stainless Steel

Drive/ Gear Keys

300 Series Stainless Steel

Gasket

Glass Filled PTFE

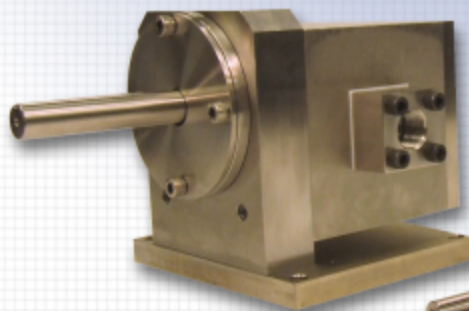
Pump Mounting Base

Stainless Steel

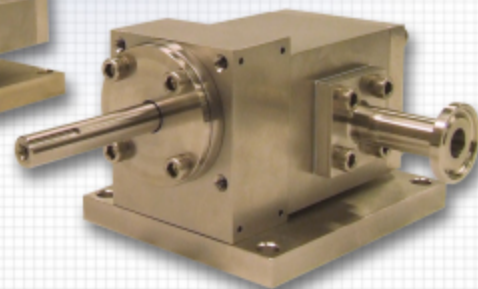
The NPC Series offers:

- **Pulse-Free Flow**
- **Metering Precision**
- **Fast and Complete Break Down, Cleaning and Reassembly**
- **Total Rebuildability**
- **Extensive Chemical Compatibility**
- **Available in 0.5, 1, 3, 10 and 15 cc per revolution models**

Two body sizes with three capacities each allows total system flexibility



NPC 5, 10 or 15
with NPT Adapters



NPC 0.5, 1 or 3 with
Sanitary Adapters

Patents applied for and pending as of publication

For over 80 years, Northern[®] Pump has been providing the most reliable gear pumps in industry. We pride ourselves on regularly accomplishing for our customers what no other pump company can achieve. And now we have expanded our own performance envelope with our new design, the NPC Series pulse-free gear pump.

The NPC Series is truly an advance for the state of the art in gear pump technology.....take advantage of it by installing an NPC Series pump in your precision equipment today.