CARTRIDGE SEAL INSTALLATION
CARTRIDGE SEAL INSTALLATION

• CHECK PUMP SHAFT FOR BURRS
• CHECK GLAND BOSS FOR NICKS
• LUBRICATE SECONDARY SEALS
• SLIDE SEAL ONTO PUMP SHAFT
• ASSEMBLE PUMP COMPONENTS
• SET IMPELLER CLEARANCE
• BOLT UP SEAL GLAND
• TIGHTEN SET SCREWS AND PULL TABS
CARTRIDGE SEAL INSTALLATION

• BURRS ON THE PUMP SHAFT COULD CUT SHAFT/SLEEVE O-RINGS WHEN INSTALLING THE SEAL RESULTING IN LEAKAGE

• NICKS OR ANY OTHER IRREGULARITY ON THE GLAND BOSS COULD RESULT IN IMPROPER SEALING OF THE GLAND GASKET/O-RING
CHECKING SHAFT AND GLAND BOSS FOR BURRS, NICKS OR OTHER IRREGULARITY
CARTRIDGE SEAL INSTALLATION

- LUBRICATE O-RINGS/GASKETS SO THAT THEY DON’T HANG UP, TEAR OR “ROLL OUT” WHEN SLIDING THE SEAL ONTO THE PUMP SHAFT
- LUBRICATING THE GLAND O-RING WILL PREVENT IT FROM FALLING OUT OF THE O-RING GROOVE BEFORE BOLTING UP THE GLAND
CARTRIDGE SEAL INSTALLATION

• GENTLY SLIDE THE SEAL ASSEMBLY ONTO THE PUMP SHAFT UNTIL THE SHAFT/SLEEVE O-RING IS RESISTING

• APPLY EVEN PRESSURE TO THE END OF THE SEAL SLEEVE UNTIL THE SHAFT/SLEEVE O-RING SLIDES ONTO THE PUMP SHAFT

• ASSEMBLE THE REMAINING PUMP COMPONENTS TAKING CARE NOT TO IMPACT THE SEAL ASSEMBLY
CARTRIDGE SEAL INSTALLATION

• ONCE ALL PUMP COMPONENTS ARE ASSEMBLED, SET IMPELLER CLEARANCE. DO NOT SET IMPELLER CLEARANCE AFTER THE SEAL HAS BEEN BOLTED UP AND SET.

• CHECK GLAND ORIENTATION REQUIREMENTS AND BOLT UP THE GLAND ACCORDINGLY.
CARTRIDGE SEAL INSTALLATION

• TIGHTEN ONE SET SCREW UNTIL IT TOUCHES THE PUMP SHAFT LIGHTLY
• MOVE TO THE OPPOSITE SET SCREW AND TIGHTEN IT FULLY
• FULLY TIGHTEN ALL SET SCREWS
• REMOVE SET TABS
• IF THE PUMP IS TO BE STORED WITH A SEAL INSTALLED, DO NOT TIGHTEN SET SCREWS OR REMOVE SET TABS
CARTRIDGE SEAL INSTALLATION
STORING ASSEMBLED PUMP

• IF THE PUMP IS TO BE PLACED IN STORES WITH A CARTRIDGE SEAL PRE-INSTALLED, DO NOT TIGHTEN GLAND BOLTS OR SET SCREWS

• LEAVE GLAND BOLTS HAND TIGHT AND DO NOT REMOVE SET TABS
  – If gland orientation does not match up with piping configuration in the “Unit”, the seal can be rotated without disturbing seal faces
END
CARTRIDGE SEAL INSTALLATION