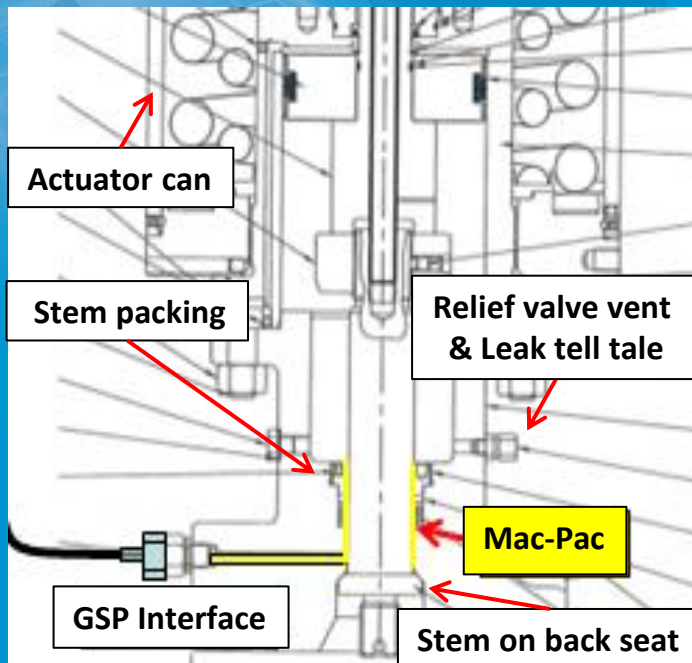


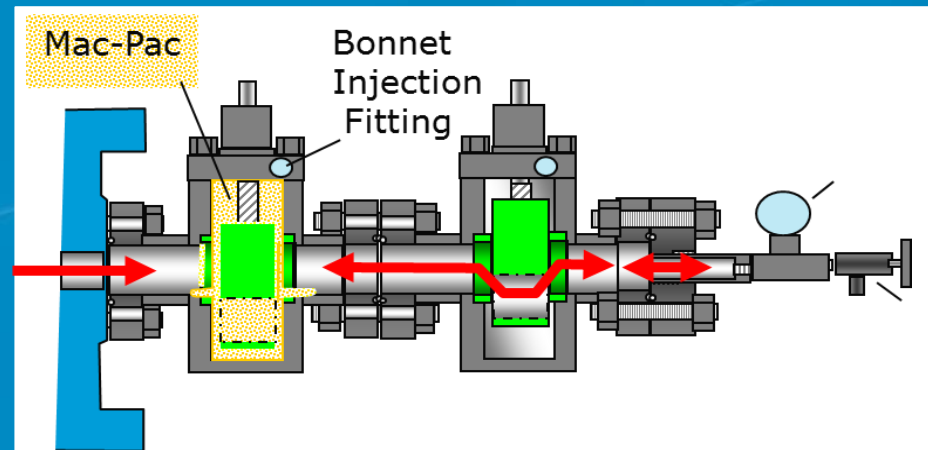
Valve Stem Seal Leak & Gate Valve Isolation

1. Mac-Pac has a high viscosity sealing formulation to displace existing tree grease from tree valve cavities.
2. The time in which Mac-Pac remains within cavities far exceeds that of tree grease. This ensures the pocket is packed for longer to resist well debris or well fluid causing internal wear and corrosion.

Internal view of Stem Seal Leak isolation



Internal view of 2 1/16" Annulus Valve filled with Mac-Pac to create an isolation to break containment



3. Ideal for lubricating and isolating small leaks through valve stem packing, GSP or D type injection fittings.
4. The Valve gate is re-coated in Mac-Pac when opened & closed for repeated isolation performance. Top up cavity with Mac-Pac as required for continued results.
5. Lubricates all moving parts.
6. Viscosity remains stable from -50° to 250°C