



Process Frame Cyl Design

Ariel Process Frames include the JGA, JGJ, JGK, JGT, JGD, JGF, KBU and KBB. These frames offer:

- Shorter stroke to allow for [wearbands](#) for a 5 psi loading for lube and non-lube services
- Shorter stroke to allow for added piston rings for hydrogen compression and non-lube services
- [Forged steel crankshafts](#)
- [Forged steel connecting rods](#)
- [Long two compartment distance pieces per API-618 Type C](#)
- [Piston speed](#) limitations to meet most Process applications

Ariel Process Cylinders include the JG, RJ, K, T, D, F, U and B cylinder classes. These cylinders offer:

- [Wearbands](#) to meet 5 psi loading for both lubricated and non-lubricated services
- Wearband overtravel less than 50%
- [Piston design](#) to offer ring design and quantity sufficient for low molecular weight gases whether lubricated or non-lubricated
- Indicator connections
- [Purged packing](#) cases
- [Water cooled packing](#) cases
- Application specific valve design
- O-ring sealed valve covers
- [Capacity and Load Control](#) devices available
- 4100 series alloy carbon steel piston rods with [ion nitride](#) and optional [tungsten carbide coating](#)
- [Ion-nitrided](#) cylinder bore