

A - SOLID ALUMINUM GLAND AND BLIND HEADS

Machined from solid aluminum bar stock (6061 T6) and black anodized for corrosion resistance (also available in stainless steel).

B - PISTON

Machined from solid aluminum bar stock (6061 T6). Offers long bearing support.

C - HARD ANODIZED I.D. ALUMINUM TUBE

Tube I.D. is hardened to 60 Rc. Provides superior wear resistance and lower friction coefficient for maximum seal life.

D - PISTON SEAL

Lip-type low friction urethane piston seals are pressure energized and wear compensated for low friction and long life. (Temperature rating: -50 deg to 200 deg F). (Viton™ also available up to 400 deg F).

E - O-RING TUBE END SEALS

Nitrile O-ring design is pressure compensated and reusable.

F - ROD LIPS SEAL

Our new design with a rod u-cup is completely self-compensating for zero leakage at all pressures (all seals can be used in a non-lube application).

G - WIPER

The new wiper wipes dirt out for less maintenance and longer life of the cylinder (urethane).

H - PISTON WEAR RING

Nylon material is designed for low friction, and to ensure maximum wear in the cylinder in side-load applications. Eliminates metal to metal contact.

I - ROD GLAND

The Bronze Gland is externally removable, without cylinder disassembly, for easy maintenance. Designed to provide maximum rod bearing. (Also available in Acetal).

J - PISTON ROD

High Strength steel. Nitrocarburizing treatment on the rod gives better corrosion resistant properties. It outperforms 12-micron standard (0.0005 in) chromium electroplating by ratio of up to 20:1. Has improved wear resistance, better lubrication retention, and dent resistance (60 Rc) without need for induction hardening. Nitrocarburizing is also environmentally friendly, with no surface pitting, flaking or hydrogen embrittlement. The finish created by the process is a lustrous black. (Also available in stainless steel).

K - TIE RODS

Corrosion resistant (Nitro-carburizing), stress proof steel maintains uniform compression on tube end seals. (Stainless steel may also be used).

L - CHECK SEAL CUSHION AND NEEDLE VALVES

Precision Custom spuds combined with a new style of floating cushion seal provide smooth deceleration at end of stroke. Needle valves make adjustments easy and the standard location is at Position 2. Made in brass (also available in stainless steel).

No charge adders - Standard on 1 1/2" to 5" bores.

Viton™ is a registered trademark of Dupont Dow Elastomers.

