

PRO CONTROL LINEAR ACTUATORS

LPS & LPD Series linear pneumatic actuators

Pro Control LPS/LPD series heavy duty steel linear actuators have been engineered to operate rising stem valves such as Gate valves, globe valves and rising stem non contact ball valves. The power cylinder mechanisms are similar to the quarter turn range, the main difference is in the actuators adapter flange to suit the valves top works.

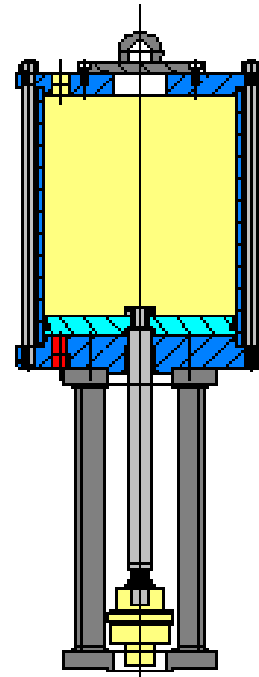
The main benefits of the LPS & LPD can be summarized as follows :

- Carbon steel single or double acting pneumatic cylinder, polished to reduce internal surface roughness and allow minimal friction which together with ENP internal coating ensures maximum protection against corrosion, and longer sealing life. Carbon steel piston with dynamic o-ring seals coupled with lubricating piston guide rings allow for reduced friction which avoid sticking even after long standstill periods

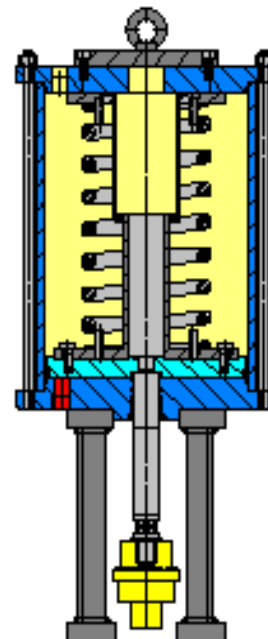
Chromium plated piston rod, which prevents corrosion and allows for minimum sliding friction on dynamic seals.

- Visual position indicator directly connected to the valve stem showing actuator / valve full linear stroke;
- Totally enclosed carbon steel spring cartridge with safety facility which allows safe installation and removal of the whole cartridge assembly (single acting actuators only).
- Carbon steel integral valve mounting adapter with bottom flange machined according to the valve top works. Carbon steel nickel-plated coupling mechanism eases disassembly for maintenance purposes. Optional feature of coupling with hammer blow effect which exercised on valves facilitates release of wedge gate valves.
- Integral manual override facilities are also available upon request.

Double acting



**Single acting
fail close**



PRO CONTROL LINEAR ACTUATORS

LHS/LHD Series linear hydraulic actuators

Pro Control LHS/LHD series heavy duty steel linear actuators have been engineered to operate rising stem valves such as Gate valves, globe valves and rising stem non contact ball valves. The power cylinder mechanisms are similar to the quarter turn range, the main difference is in the actuators adapter flange to suit the valves top works.

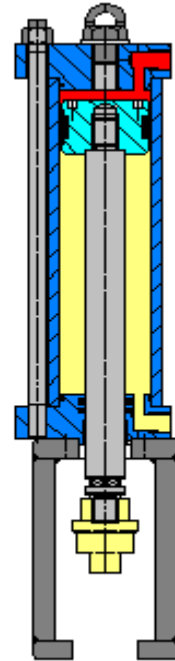
The main benefits of the LHS & LHD can also be summarized as follows :

- **Carbon steel single or double acting hydraulic cylinder** , polished to reduce internal surface roughness and allow minimal friction which together with ENP internal coating ensures maximum protection against corrosion, and longer sealing life. Carbon steel piston with dynamic o-ring seals coupled with lubricating piston guide rings allow for reduced friction which avoid sticking even after long standstill periods

Chromium plated piston rod, which prevents corrosion and allows for minimum sliding friction on dynamic seals.

- **Visual position indicator** directly connected to the valve stem showing actuator / valve full linear stroke;
- **Totally enclosed carbon steel spring cartridge** with safety facility which allows safe installation and removal of the whole cartridge assembly (single acting actuators only).
- **Carbon steel integral valve mounting adapter** with bottom flange machined according to the valve top works. Carbon steel nickel-plated coupling mechanism eases disassembly for maintenance purposes. Optional feature of coupling with hammer blow effect which exercised on valves facilitates release of wedge gate valves.
- **Integral manual override** facilities are also available upon request.

Double acting



**Single acting
fail close**

