

## Options

### Valves & Gates

#### Single-Acting Spring-Return Solenoid

- Allows valve to return to original position after energy source has stopped
- 110/120 volt AC or 24 volt DC
- Standard NEMA 4, available in NEMA 7-9
- Ideal for Fail Safe Applications



#### Double-Acting Solenoid

- Valve will remain in current position until opposite solenoid is energized to move valve
- 110/120 volt DC or 24 volt DC
- Standard NEMA 4, available in NEMA 7-9



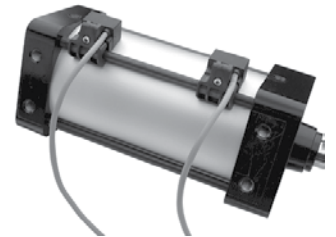
#### Manual-Lever Valve

- For use when automation is not required
- Large handle for easy movement



#### Position Switches

- Magnetic reed Position Switches indicate cylinder position
- 5 volt - 220 volt AC/DC
- Standard NEMA 4, available in Intrinsically Safe



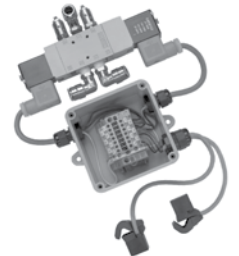
#### Filter Regulator Lubricator

- Filter Regulator/ Lubricator- Pre-plumbed filter lubricator and pressure gauge



#### Pre-Wired Terminal Boxes

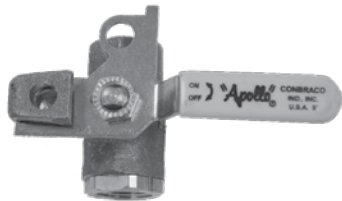
- NEMA 4 water/dust tight enclosure end mount on air cylinder
- Comes complete with all wires, fittings and connections - simply brings power and air supply to box and unit is ready



#### Vented Ball Valve

- For blocking out air supply, bleeding off residual air and able to lockout/tag valve.

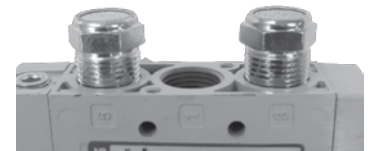
(Install in compressed air line within 12" of valve or gate control valve)



#### Mufflers

- Mufflers – installed on solenoid to reduce noise

(optional adjustable flow control mufflers to reduce speed available)



## Options

### Valves & Gates

#### High Temperature #1 (HT1)\*

- Valve modified to withstand 120°C (250°F) continuous 145°C (300°F) intermittent
- Nylon pressure plate
- Silicone seals & rings
- Nylon shims

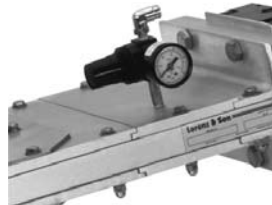
#### High Temperature #2 (HT2)\*

- Valve modified to withstand 200°C (400°F) continuous 230°C (450°F) intermittent
- Teflon pressure plate
- Silicone seals & rings
- Teflon shims

\* We recommend that oversized cylinders be put on all high-temp. kits. Standard valves and gates are rated for 82°C (180°F).

#### Air-Purged Body c/w Gauge & Regulator

- Body of valve is sealed & pressurized to prevent passing of product into valve cavity
- User sets 2 psi greater than conveying pressure



#### Polar Lubrication

- For low-temperature installations -30°C (-20°F)
- Absorbs water contained in compressed air to prevent freezing
- Air cylinder comes with low-temp. seals
- Metal bowl lubricator included
- Air line that supplies valve must be maintained with Polar Lube lubricant to prevent freezing



#### Electric Actuators

- Electric actuators for outdoor applications
- Cast aluminum construction
- Operating range -40°C to 65°C (-40°F to 150°F)
- 115VAC, 60Hz, single phase, TENV, NEMA 4
- Other voltages available upon request



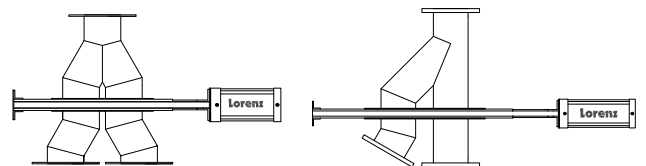
#### Hand-Crank/Wheel Actuation

- Hand-Crank/Wheel allow valve to be operated manually
- Ideal for Fail Safe Applications



#### Inlet & Outlet Modifications

- In-house manufacturing = quick turnaround
- Wide variety of options available
- Modifications are made to inlets & outlets to suit installation preferences



#### Sticky Service/Moisture

- PET Plates (polyethylene terephthalate) or UHMW (Ultra High Modulus Polyethylene) plates are used and blade is electro polished

#### Molybdenum Disulphide Impregnated Pressure Plates

- Lubricated nylon pressure plates for handling minerals

#### Clear Covers (Polycarbonate)

- For visual inspection of valves (max. temp. 120°C (250°F))

#### Special Service Inlets

- A special Service Inlet directs the flow of material towards the centre of the valve, preventing shearing and packing of material. Recommended when closing on a column of material, gravity flow and abrasive materials.

