• Control Valves
• Shutoff Valves
• Control Instrumentation
• Steam Conditioning Systems
• Steam Water Heaters
• Regulators
• Service
The wide range of linear control valves from Leslie Controls provide solutions to your fluid control needs. From severe service in a power station to low pressure HVAC, Leslie has a valve specifically designed for your application.

AEROFLOW
- Balanced or unbalanced plug, globe or angle style for steam, gases, water and other liquids; ideal for severe service
- Diaphragm, pneumatic piston or electric actuator
- Customized trim options
- C3 Combo - High rangeability, cavitation protection, low noise
- 1” High Gain w/DPIS - Ultra high speed, extraordinary accuracy, guaranteed repeatability
- Mini P Multi Stage - For low flow, high QP, cavitation service with tight shutoff
- Micro Taper - For very fine control in low flow, high QP service
- Low-Sonic Cage - Up to 25 dBA noise reduction
- Low-Cav Cage - Anti cavitation, multi stage for pressure drops to 4000 PSI
- Zero leakage metal to metal seal exceeds ANSI/ISA 70-2 Class VI shutoff
- Carbon Steel, Stainless Steel, Chrome Moly - ANSI/ASME 150/300 Flanged 1” to 4”
- Carbon Steel, Stainless Steel - ANSI/ASME 150/300 Flanged 1” to 4”; ANSI/ASME 300 Threaded 1/2” to 2”
- Socketweld, Buttweld and DIN Flanges also available

DBOY/DIGIDBOY
- Balanced plug, hung cage, cage throttling globe style for steam, gases, water and noncorrosive liquids
- Pneumatic or electric actuator
- High flow capacity and hardened stainless steel trim
- Metal seat up to ANSI/ISA 70-2 Class IV shutoff
- Metal/PTE seat meets ANSI/ISA 70-2 Class VI shutoff
- Carbon Steel, Chrome Moly - ANSI/ASME 150/300/600 Flanged or ANSI/ASME 600 Threaded or Flanged
- Sockelweld, Buttweld and DIN Flanges also available

DLO/DIGIDLO SERIES
- Unbalanced plug, plug throttling, cage retained seat globe style for steam, gases, water and other liquids
- Pneumatic or electric actuator
- Metal seat meets ANSI/ISA 70-2 Class IV (or optional Class VI) shutoff
- Metal/PTE seat meets ANSI/ISA 70-2 Class VI shutoff
- Cast Iron - ANSI/ASME 125/250 Flanged 1” to 4”; ANSI/ASME 250 Threaded 1/2” to 2”
- Carbon Steel, Stainless Steel - ANSI/ASME 150/300 Flanged 1” to 4”; ANSI/ASME 300 Threaded 1/2” to 2”
- Socketweld, Buttweld and DIN Flanges also available

DKO SERIES
- Globe style for steam, water and other liquids
- Pneumatic or electric actuator
- Exceeds ANSI/ASCE 70-2 Class IV shutoff and shut off to 400 psi without positioner
- Cast Iron - ANSI/ASME 250 Flanged 3-1/2” to 4”
- Cast Bronze - ANSI/ASME 125/250 Union End 1/2” to 2”

LIL’ GATOR TYPE VLG
- Globe style for steam, water and other liquids
- Pneumatic actuator
- Compact, high capacity streamlined body
- Metal seat meets ANSI/ISA 70-2 Class IV shutoff
- Bellows seal meets ANSI/ISA 70-2 Class V shutoff
- Cast Iron - ANSI/ASME 250 Threaded 1/2” to 2”
- Stainless Steel - ANSI/ASME 150/300/600 Threaded or Flanged 1/2” to 2”

GTB
- Balanced plug, top & bottom guided, double seated globe style for steam, gases, water and other liquids (especially dirty, sticky and erosive)
- Pneumatic or electric actuator
- High flow capacity and optional hardened stainless steel trim
- Metal seat meets ANSI/ISA 70-2 Class III shutoff
- Carbon Steel, Chrome Moly - ANSI/ASME 150/300/600 Flanged or ANSI/ASME 600 Threaded or Flanged
- Socketweld, Buttweld and DIN Flanges also available

DOS SERIES
- Globe style for steam, water and other liquids
- Pneumatic or electric actuator
- Exceeds ANSI/ASME 70-2 Class IV shutoff and shut off to 400 psi without positioner
- Cast Iron - ANSI/ASME 125/250 Flanged 3-1/2” to 4”
- Cast Bronze - ANSI/ASME 125/250 Union End 1/2” to 2”
- Carbon Steel, Stainless Steel, Chrome Moly - ANSI/ASME 150/300/600 Flanged or ANSI/ASME 600 Threaded or Flanged
- Socketweld, Buttweld and DIN Flanges also available

LIL’ GATOR TYPE VLG
- Globe style for steam, water and other liquids
- Pneumatic actuator
- Compact, high capacity streamlined body
- Metal seat meets ANSI/ISA 70-2 Class IV shutoff
- Bellows seal meets ANSI/ISA 70-2 Class V shutoff
- Cast Iron - ANSI/ASME 250 Threaded 1/2” to 2”
- Stainless Steel - ANSI/ASME 150/300/600 Threaded or Flanged 1/2” to 2”

PNEUMATIC DIAPHRAGM
- Flanged yoke to bonnet connections
- Proven, durable workhorse; perfected in service more than 40 years
- Standard sizes 35, 55, 85 and 125 sq. in.

MAGNUM PNEUMATIC PISTON
- Low volume and long stroke with high response speed
- External spring return module
- Stroke up to 5 inches
- Stroke speed in excess of 3” per second with no overshoot when mounted with DPS Positioner on Aeroflow Valve

DIGI ELECTRIC
- Accepts analog signals 4-20 mA, 0-10 VDC or Profibus DP
- Digital Actuator Control (DAC) with pushbutton setup
- Stallproof, high thrust motor permits shutoff to 750 psi
- Manual handwheel
- IP 65 or IP 55 rated enclosure

ELECTRO-HYDRAULIC
- Patented Rexa Flow Match System for precise cylinder positioning
- Hydraulically-stiff, self-contained electrical power module for stability
- Output thrust ranges from 2,000 to 120,000 lbs.
- Stroke up to 6 inches

HEAVY DUTY ELECTRIC
- Anti-condensation heater
- Permanently lubricated motor
- Wide variety of options
- Output thrust up to 5,000 lbs.

PAS PNEUMATIC
- Double rack and pinion
- Spring return and double acting optional
- Maintenance free
- Up to 37,200 in/lbs torque

EA350 ELECTRIC
- Compact size
- Permanently lubricated
- Manual override standard
- NEMA 4 enclosure

LESLIE offers a broad selection of actuators to suit your application. We match our valves and actuators to provide superior performance.
Three Way Control Valves

Leslie offers a wide range of three way control valves for mixing and diverting applications. Our Applications Engineers will ensure you have the right valve for the job.

GTW (Kieley & Mueller)
- Balanced plug, linear style for steam, gases, water and other liquids (especially dirty, viscous and corrosive)
- Pneumatic or electric actuator
- High flow capacity and self adjusting spring loaded Teflon®-chevron stem packing
- Cast Iron - ANSI/ASME 125/250 Threaded 1/2” to 2” or Flanged 1/2” to 12”
- Carbon Steel, Stainless Steel - ANSI/ASME 150/300 Flanged 1/2” to 12”

DOT
- Balanced plug, cage guided linear style for steam, gases, water and other liquids (especially viscous)
- Pneumatic or electric actuator
- Self adjusting spring loaded Teflon®-chevron stem packing
- One piece body
- Cast Iron - ANSI/ASME 125 Threaded 1” to 2” or Flanged 1” to 3”
- Bronze - ANSI/ASME 150 Flanged 1” to 3”
- DIN Flanges also available

RV SERIES
- Rotary style for water and other liquids (especially dirty and viscous)
- Pneumatic or electric actuator
- High flow capacity
- Low operating force requires smaller actuators
- Cast Iron - ANSI/ASME 125 Flanged 4” to 16”
- Cast Bronze, Ductile Iron - ANSI/ASME 150 Flanged 4” to 16”
- DIN flanges also available

K-MAX (Kieley & Mueller)
- Eccentric plug rotary style for steam, gases, water and other liquids (especially corrosive, dirty and erosive/abrasive slurry)
- Pneumatic or electric actuator
- Balanced plug, linear style for steam, gases, water and other liquids (including dirty, viscous, corrosive and explosive)
- Stainless Steel - ANSI/ASME 150/300 Flanged 1/2” to 8” or ANSI/ASME 300 Threaded 1/2” to 2”
- Cast Steel, Stainless Steel - ANSI/ASME 300/600 Threaded/Socketweld/Flanged 1/2” to 1”

On/Off Control Valves

The Laurence line of fast acting on-off control valves, ideal where quick opening and tight shutoff are essential, are used extensively in the power and process industries.

2500 SERIES ELECTRICALLY ACTUATED SHUTOFF
- Globe style, external lever, quick acting piston valve for steam, gases, water and other liquids (including dirty, viscous, corrosive and explosive)
- Solenoid actuator is fully electric or electrically tripped

3000 SERIES THREE WAY
- Direct operated poppet type for air, gases and liquids
- Ideal for fuel nozzle purge and piloting Air Extraction Valves on gas turbines

SPECIALTY SERIES ELECTRICALLY ACTUATED
- Globe style, external lever, quick acting piston valve for steam, gases, water and other liquids (including dirty, viscous, corrosive and explosive)
- Solenoid actuator is fully electric, manual reset or dual redundant
- Actuator isolated from flow for safety and high temperatures

Fire-Cide® SERIES HEAT ACTUATED SHUTOFF
- Globe style, external lever, quick acting piston valve for steam, gases, water and other liquids (including dirty, viscous, corrosive and explosive)
- Heat actuated fusible link actuator with manual override
- External lever for higher pressures and greater safety factor

Actuator Isolated from Flow for Safety and High Temperatures
- Direct operated poppet type for air, gases and liquids

Air Extraction Valves on Gas Turbines

Rotary control valves frequently outperform other valves handling dirty, erosive or corrosive fluids or slurry. Leslie’s K-Max, originally introduced by Kieley & Mueller, has become an industry standard.

• Selection of trim sizes/materials
• Triple bearing shaft support
• Shaft access plug standard
• Bi-directional flow
• Self-aligning orbit seal
• 100:1 rangeability
• Pneumatic or electric actuator
• Eccentric plug, rotary style for K-MAX (Kieley & Mueller)

DIN flanges also available
- Bronze - ANSI/ASME 150 Flanged 1” to 3”
- Cast Iron - ANSI/ASME 125 Threaded 1/2” to 12”
- Carbon Steel, Stainless Steel - ANSI/ASME 150/300 Flanged 1/2” to 12”

3000 SERIES THREE WAY
- Direct operated poppet type for air, gases and liquids
- Ideal for fuel nozzle purge and piloting Air Extraction Valves on gas turbines

Solenoid or cylinder actuator
- Solenoid actuator available fully electric, manual reset or dual redundant
- Four flow forms for wide variety of converging and diverging applications
- External lever isolates actuator from flow and provides higher torque
- Bronze - ANSI/ASME 250 Threaded 1/4” to 1”
- Carbon Steel, Stainless Steel - ANSI/ASME 300/600 Threaded / Socketweld / Flanged 1/4” to 1”

Specialty Series
- Direct operated poppet type for air, gases and liquids
- Ideal for fuel nozzle purge and piloting Air Extraction Valves on gas turbines

Solenoid or cylinder actuator
- Solenoid actuator available fully electric, manual reset or dual redundant
- Four flow forms for wide variety of converging and diverging applications
- External lever isolates actuator from flow and provides higher torque
- Bronze - ANSI/ASME 250 Threaded 1/4” to 1”
- Carbon Steel, Stainless Steel - ANSI/ASME 300/600 Threaded / Socketweld / Flanged 1/4” to 1”
Our high quality control instrumentation will ensure successful process control. Leslie's broad range provides the best choice for your application.

**Pneumatic Positioners**
- Split range available
- Non-interacting zero and span
- Easy to calibrate
- Modular design

**Pneumatic / Electro-Pneumatic**
- Temperature to 600°F
- Liquid level to 200 inches W.C.
- Vacuum to 30 inches Hg
- Differential pressure to 100 psig
- Constant pressure to 800 psig
- Constant bleed
- Fixed or proportional band
- Rapid response
- Simple to calibrate

**Pneumatic Pilot Controllers**
- Automatic zero recalibration
- No air consumption at steadystate
- Repeatable to .0012”
- Position sensing accurate to .0012”

**Digital Positioner**
- Available with wide range of protocols
- Simple programming and self-calibrating
- Diagnostics for valve or actuator
- Intrinsically safe or explosion proof options

**Type S Transfer Valve**
- Pneumatic switch eliminates problems inherent in 1/3-2/3 parallel pressure reducing stations
- Permits only one control valve to operate at a time
- Eliminates relief valve “popping” and reduces trim wear
- Easy to adjust
- Provides greater rangeability and smooth transition

**Airset Type As-1 Series Adjustable Air Regulator**
- Provides clean, accurate air to instruments, valves and other control equipment
- Delivers up to 100 psig

**Airmate® A Series Air Loaders and Panels**
- Provides clean, accurate air to instruments, valves, distribution systems and other control equipment
- Patented dual aspirator for high accuracy
- Fills to 5 microns
- Optional single or dual gage panel mounting
- Delivers up to 150 psig

**Steam Conditioning Systems**
- Utilizing our wide choice of equipment and options, Leslie will engineer a desuperheater or an entire steam conditioning system to meet your needs.

**Aerotemp Series**
- Combined pressure reduction and desuperheating for turbine bypasses, turbine extraction, boiler superheater and reheater
- Mechanically atomizing variable nozzle desuperheater for moderate turndown in process steam
- Utilizes proven severe service, zero leakage Aeroloy control valve components
- Custom engineered for each application

**Digital Positioner**
- Available with wide range of protocols
- Simple programming and self-calibrating
- Diagnostics for valve or actuator
- Intrinsically safe or explosion proof options

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- Provides clean, accurate air to instruments, valves, distribution systems and other control equipment
- Patented dual aspirator for high accuracy
- Fills to 5 microns
- Optional single or dual gage panel mounting
- Delivers up to 150 psig

**Steam Water Heaters**
- Hospitals and institutions worldwide are replacing their outmoded storage tank hot water systems with Leslie's safe, efficient, proven Legionella fighting Constantemp® series heaters.

**Constantemp® Feedforward**
- Instant hot water, highly efficient with no storage tank
- Accurate to ±3°F and never fails hot
- Compact size fits through standard doorway
- Single wall helical or double wall shell & tube heat exchanger
- Recirculation Kit, Electronic Scale Controller options
- High capacity up to 120 GPM

**Constantemp® Skidded**
- Fully assembled with all traps, strainers, pressure and temperature gages - simply connect 4 lines
- Optional steam or compressed gas powered condensate pump for when electricity is impractical

**Constantemp® Shell and Tube Heat Exchanger**
- Compact and efficient
- Helical coil in Copper, Admiralty, Cupro-nickel or Stainless Steel
- Ductile Iron or Steel shell

**Les Series Packaged**
- Steam or high temperature hot water heating source
- ASME Code, National Board registered stainless steel tank
- 10°F accuracy with industrial quality control valve
- Compact size
- High capacity up to 330 GPM

**Unfired Clean Steam Generator**
- Steam or high temperature hot water energy source
- ASME Code construction with “LB” stamp
- Fully factory assembled, tested and ready for installation
- High capacity up to 20,000 lbs/hr steam

**Les-sonic Silencing Orifice**
- Reduces noise to 26 dBA
- Effective over a broad frequency band (up to 12,000 Hz)
- Engineered for each application; reduction estimates available
- Threaded and/or flanged to 18” and larger

**Noise Reduction**
- Noise is often a major problem in many PRV stations. The engineers at Leslie will evaluate your needs and custom tailor the solution to your problem.

**Noise Suppressor**
- Reduces noise up to 26 dBA
- Straight through design minimizes pressure drop, permitting normal valve sizing
- Effective over a broad frequency band (up to 12,000 Hz)
- Engineered for each application; reduction estimates available
- Threaded and/or flanged to 18” and larger

**Les-Sonic® Skidded**
- Compact size
- High capacity up to 20,000 lbs/hr steam
Leslie’s wide range of pressure regulators ensure the best fit for your application; from low flow to highly accurate regulators that perform many tasks traditionally done by control valves without typical control valve problems.

**GP SERIES REDUCING**
- For steam and gases; high rangeability air loaded valve ideal for poor quality steam and intermittent operation
- Operates on as low as 1/2 psi pressure drop
- 95% accuracy of regulation
- 30:1 rangeability
- For steam and gases; pilot operated valve for GPS -1EP REDUCING

**L SERIES REDUCING**
- For steam and gases; fast acting internal pilot piston operated valve for extreme accuracy
- 99% accuracy of regulation
- Optional resilient trim for tight shut off
- Light spring pressure ranges from 1/2 to 400 psi
- Cast iron - ANSI/ASME 125/250 Flanged 1/2" to 4" or ANSI/ASME 250 Threaded 1/2" to 2"
- Bronze - ANSI/ASME 300 Flanged 1/2" to 4" or ANSI/ASME 300/600 Threaded, Socket weld 1/2" to 2"
- Stainless steel - ANSI/ASME 150/300 Flanged 1/2" to 4" or ANSI/ASME 300 Threaded 1/2" to 2"

**VPK SERIES REDUCING**
- For steam and gases; economical integral mount pilot operated valve
- Four spring pressure ranges from 3 to 150 psi
- Cast iron - ANSI/ASME 125/250 Flanged 1" to 4" or ANSI/ASME 250 Threaded 1/2" to 2"

**LX SERIES**
- For steam and gases; fast acting internal pilot piston operated valve for extreme accuracy
- 99% accuracy of regulation
- Optional resilient trim for tight shut off
- Light spring pressure ranges from 1/2 to 400 psi
- Cast iron - ANSI/ASME 125/250 Flanged 1/2" to 4" or ANSI/ASME 250 Threaded 1/2" to 2"
- Bronze - ANSI/ASME 150/300 Flanged 1/2" to 4" or ANSI/ASME 300 Threaded 1/2" to 2"
- Carbon steel - ANSI/ASME 150/300/600 Flanged 1/2" to 4", ANSI/ASME 600 Threaded, Socket weld 1/2" to 2" or ANSI/ASME 600 Buttweld 2-1/2" to 4"

**M SERIES**
- For steam and gases; high gain integral mount pilot operated valve ideal for heating and cooling storage applications
- Fifteen liquid filled thermo-elements for ranges from 70 to 400°F
- Cast iron - ANSI/ASME 125 Flanged 1-1/2" to 4", ANSI/ASME 250 Flanged 1-1/2" to 4" or ANSI/ASME 250 Threaded 1/2" to 2"
- Bronze - ANSI/ASME 150/300 Flanged 1/2" to 4" or ANSI/ASME 300 Threaded 1/2" to 2"
- Carbon steel - ANSI/ASME 150 Flanged 1/2" to 2-1/2" or ANSI/ASME 300 Threaded 1/2" to 2"

**GT SERIES EVENTEMP**
- For steam and liquids; high gain integral mount pilot operated valve ideal for heating and cooling storage applications
- Fifteen liquid filled thermo-elements for ranges from 70 to 400°F
- Cast iron - ANSI/ASME 125 Flanged 1-1/2" to 4", ANSI/ASME 250 Flanged 1-1/2" to 4" or ANSI/ASME 250 Threaded 1/2" to 2"
- Bronze - ANSI/ASME 300 Flanged 1-1/2" to 2" or ANSI/ASME 300 Threaded 1/2" to 2"
- Carbon steel - ANSI/ASME 150 Flanged 1/2" to 2-1/2" or ANSI/ASME 300 Threaded 1/2" to 2"

**M SERIES**
- For steam and liquids; low flow direct operated regulator ideal for pressure and temperature control in instantaneous heaters
- Eighteen vapor filled thermo-elements for ranges from 20 to 350°F
- Outlet pressure limit adjustable from 2 to 250 psi
- Cast iron - ANSI/ASME 125/250 Flanged 1-1/2" to 3" or ANSI/ASME 250 Threaded 1/2" to 2"
- Bronze - ANSI/ASME 150/300/600 Flanged 1/2" to 3" or ANSI/ASME 300 Threaded 1/2" to 2"
- Carbon steel - ANSI/ASME 150/300/600 Flanged 1/2" to 3" or ANSI/ASME 600 Threaded, Socket weld 1/2" to 2"

**M SERIES**
- For steam and liquids; low flow direct operated regulator ideal for pressure and temperature control in instantaneous heaters
- Eighteen liquid filled thermo-elements for ranges from 70 to 400°F
- Cast iron - ANSI/ASME 250 Threaded 3/4" to 1"
- Bronze - ANSI/ASME 300 Threaded 1/2" to 1"
Leslie offers both cast strainers and custom fabricated strainers in a wide variety of materials, sizes and end connections. Whatever your needs, Leslie has the strainer to meet them.

**Y TYPE**
- Low pressure drop, streamlined design
- Large strainer screens
- Compact and end to end dimension
- Cast iron, Ductile iron, Bronze, Carbon Steel, Chrome Moly, Stainless Steel
- Pressures to 3705 psi; temperatures to 800°F
- Cast Iron, Ductile Iron, Bronze, Carbon Steel
- Compact and end to end dimension
- Large strainer baskets
- Pressure to 740 psi; temperatures to 800°F
- Cast Iron, Ductile Iron, Bronze
- Compact and end to end dimension
- Large strainer baskets
- Pressure to 740 psi; temperatures to 800°F
- Cast Iron, Ductile Iron, Bronze

**BASKET**
- Filtration down to 40 microns
- Large strainer baskets
- Pressure to 740 psi; temperatures to 800°F
- Cast Iron, Ductile Iron, Bronze
- Compact and end to end dimension
- Large strainer baskets
- Pressure to 740 psi; temperatures to 800°F
- Cast Iron, Ductile Iron, Bronze

**FLATFACE, RAISED FACE, BUTTWELD, Pressures to 740 psi; Temperatures to 800°F**
- Cast Iron, Bronze, Carbon Steel, Stainless Steel
- Compact and high capacity units available
- Largestrainer baskets
- Filtration down to 40 microns

**BUTTERFLY VALVES**
- Available with a large selection of actuators and other accessories to suit your application.
- DUAL DISK CHECK VALVE
  - Pressure to 1480 psi; temperatures to 800°F
  - Cast Iron, Ductile Iron, Stainless Steel
  - Independent springsto optimize valve closing rates while minimizing spring stress
  - Wafer body style fits between FF or RF flanges

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**SERVICE & REPAIR**
- Custom Fabrication
- Steam Fired Hot Water Systems
- Condensate Recovery Systems
- Modularized PRV Stations
- Preventive Maintenance Programs
- Minimize downtime and maximize efficiency
- Steam System Audits
- Steam Trap Surveys
- Training Programs
- Service, Repair and Installation
- Field Service
- Sea Trials
1884 A patented valve regulates steam in a rotary snowplow designed and built by Leslie that rescues trains otherwise stranded in snow drifts and blizzards in the isolated winter terrain of the northern United States and Canada, where rail is commonly the only reliable mode of transportation. So durable, several of these original 1800 era snowplows with Leslie valves are still in use over 100 years later.

1960 A jet plane is launched from the deck of a U.S. aircraft carrier thanks to a revolutionary steam catapult powered by an immense, new Leslie valve. Essential to achieving flight speed for the substantially heavier jet aircraft, the steam catapults prove so reliable they are installed on every carrier built by the United States Navy. So reliable through both war and peace, Leslie valves still power the catapults on every U.S. aircraft carrier afloat today.

1971 A nuclear power plant goes online thanks to the reliable and precise control of steam, essential to safe operation. With advanced, custom designs and manufacturing processes more exacting than ever in history, a new generation of Leslie controls is created to help make a new source of energy possible. So dependable, Leslie valves and regulators remain a standard in nuclear power plants operating safely around the world, around the clock.

2010 No one can predict the needs of the emerging industries of tomorrow. One thing which can be foretold is that Leslie Controls will be at the heart of vital systems in literally every endeavor. Leslie Controls. Where original thinking has produced over a century of engineered solutions relied upon by the industrialized world. Leslie Controls. Where original thinking will create the valves, controls and solutions essential to success in the next century.