

# Power plant pressure control solutions



## The complete self-actuated pressure control solution that helps reduce costs, unscheduled shut-downs, improves critical asset reliability and remote condition monitoring.

Self-contained pressure control equipment is an often overlooked asset, and if specified incorrectly, could contribute to reduced production. It is important to understand how overlooking these important pressure control solutions can decrease production and increase your total cost of ownership.



### Improve Production and Profitability

Emerson fuel gas conditioning systems provide clean, low moisture fuel at ideal temperatures and pressures and ensure higher efficiency and reduced fuel costs.



### Turbomachinery Reliability

Conditioned fuel gas reduces turbine blade corrosion/erosion while highly reliable pressure control solutions ensure proper oil lubrication and gas sealing.



### Remote Monitoring

Remotely monitoring the health of your pressure control equipment allows you to detect an abnormal situation before it escalates and damages your critical assets. It also helps you to optimize your planned and unplanned maintenance.



### Partnership and Innovation

Being a supplier of first choice, we partner with End users, EPC's and OEM's to provide the best possible solutions for each discrete application. Product innovation is at our core and we strive to be a leader in our field.



### Complete Pressure Control Solutions

One single supplier for pressure control solutions for downstream instrument air, nitrogen, fuel gas, water and steam systems can reduce supply chain complexity.



### Meet Environmental Regulations

Emerson fuel gas solutions reduce emissions and noise to meet strict regulations. High accuracy tank blanketing regulators reduce emissions from storage tanks.



### Steam Turbine Lube Oil / Seal Oil / Seal Gas

- Machinery lubrication oil pressure
- Oil system overpressure protection
- Sealing system pressure control
- Seal differential pressure supply
- Seal vent backpressure regulator

### Instrument and Utility Air

- Instrument control air panel
- Air compressors
- Oil reservoir and filter
- Air dryers
- Instrument air distribution

### Utility Systems - Firewater

- Firewater pump utility air
- Nitrogen bottle to water mist
- Nitrogen generator to flare
- Ignition panel
- Fire suppression system
- Compressed air foam

### Fuel Tank Blanketing

- Flame Arrestors
- Pressure Vacuum Relief
- Vapor Recovery
- Emergency Venting

### Ammonia Storage

- Ammonia unloading
- Liquid Fill

### Auxiliary Steam

- Water Feed
- Steam Service
- Compressed Air Control

### Control Room Remote Monitoring

### Gas Compression

- Fuel gas header
- Fuel gas supply
- Nitrogen filters to compressor
- Lubrication oil pressure
- Sealing system pressure control

### Fuel Gas Conditioning

- Knock Out Drum / Scrubber
- Filter Separator / Coalescer
- Heater
- Pressure Regulating Station
- Custody Transfer Meter
- Noise abatement

### Steam Turbine

### Gas Turbine

### Heat Recovery Steam Generator

### Heat Recovery Steam Generator

### Storage Tanks

### High Pressure Analytics

### Turbine Fuel Gas Control

MR105  
MR108  
MR95  
MR98  
627  
1098-EGR  
4320 Position Monitor

67C  
67D  
MR95  
MR98  
1098  
310A  
MR105  
MR108  
Flame Arrestor

MR95  
MR98  
63EG  
627  
1098  
44-1300  
44-4000  
Flame Arrestor

ACE95/ACE97  
1190/1290  
T205/T208  
Y692/Y696  
Flame Arrestor  
PVRV  
EPRV

MR98H  
MR95H  
C477  
N550  
H5114

LR125  
MR95H  
MR105  
67D  
92B  
92S

1098  
MR95  
MR98  
MR105  
MR108  
627  
Flame Arrestor

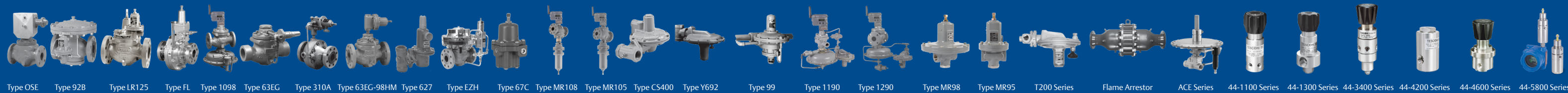
FL  
EZH

FL  
OSE  
310A  
EZH  
Cronos  
BM5  
BM6 SSVs

44-2200  
44-2600  
44-3400  
44-4600  
44-4700  
44-5800  
Compact Panel  
and MiniLabo

- Cooling water PH analysis
- Fuel gas calorific value analysis
- Exhaust emissions analysis

- Pressure step down
- Silencer



Type OSE Type 92B Type LR125 Type FL Type 1098 Type 63EG Type 310A Type 63EG-98HM Type 627 Type EZH Type 67C Type MR108 Type MR105 Type CS400 Type Y692 Type 99 Type 1190 Type 1290 Type MR98 Type MR95 T200 Series Flame Arrestor ACE Series 44-1100 Series 44-1300 Series 44-3400 Series 44-4200 Series 44-4600 Series 44-5800 Series

**Broad portfolio. Robust control. Reliable operation.**



Learn more at [www.emerson.com](http://www.emerson.com).

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