

# Platform Pressure Control Solutions



**The complete self actuated pressure control solution that helps you reduce costs, footprint, weight, unscheduled shut-downs, improve project management 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.



## Remote Monitoring

Remotely monitoring the health of your pressure control equipments 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 & Innovation

Being a supplier of first choice, we partner with End users and EPC's & 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.



## Reduce Footprint and Weight

Compared with control valves, regulators are smaller in size and lighter. They are also self-activated and their installation doesn't involve cable trays, junction boxes or compressed air lines allowing to save hours in design, commissioning and usage.



## Complete Pressure Control Solutions

One single supplier for pressure control solutions can reduce supply chain complexity in the project phase as well as during normal operations and maintenance.



## Optimize Maintenance Costs

With longer service life, easy maintenance and less intensive labor requirements, our solutions can bring up to an estimated \$285K per platform



## Reduce Unscheduled Shut-downs

Our pressure control solutions are field proven for utility systems for providing precise control of downstream instrument air, nitrogen, fuel gas, glycol, mineral oil, water and steam.



### Gas export pipeline

- Sales gas metering to flare header
- Carrier gas to analyzer cabinet
- Analyzer cabinet to calibration gas

### Nitrogen generation system

- Coalescer filters, particulate filters and membrane air separation modules to nitrogen distribution
- Coalescer filters, particulate filters and membrane air separation modules to vent to safe location

### Lube oil and Seal systems

- Oil cooler to lube oil reservoir
- Instrument air to seal oil charge pumps

### Emergency generator

- Nitrogen bottle to watermist tank

### Chemical, MEG and Water injection

- Direct chemical injection
- Production scale inhibitor pump
- Pulsation dampener to Production corrosion inhibitor tank
- Water injection pumps

### Fuel gas

- Fuel gas heat exchanger to glycol reboiler

### Instrument and Utility air

- Instrument control air panel
- Air compressors
- Oil reservoir and filter
- Air and oil separator to air and oil coolers
- Air dryers to moisture analyser
- Instrument and utility air receiver to instrument air distribution
- Loading station

### Firewater

- Utility air to start air amplifier and firewater pump
- Firewater pump to overboard
- Nitrogen bottle to water mist system volume tank
- Nitrogen generator to flare
- Ignition panel
- Deluge/sprinkler and inert gas to fire suppression system
- Onboard compressed air foam
- Chemical, gas, breathing air in bottle filling

### Drain sumps

- Utility air to cellar deck sump pump (hazardous)

### Minox® deoxygenation unit

- Minox® separator tower to overboard
- Nitrogen generator to circulating nitrogen and overboard relief route
- Instrument air to overboard relief route
- Nitrogen generator to stripping gas blower
- Nitrogen scrubber to stripping gas blower

### Wellhead Control

- WHCP
- HPU
- Umbilical Reels

### Diving

- BIBs
- Hyperbaric chambers
- Habitats / Bells
- Pressure control panels

### Deluge valve skid

- Instrument air and air volume bottle to FCP

### Gas compression

- Fuel gas to flare pilots
- Fuel gas header to flare header
- Fuel gas supply to flare header
- Nitrogen filters to compressor
- Compressor to flare header
- Lube oil reservoir

### Gas flotation system

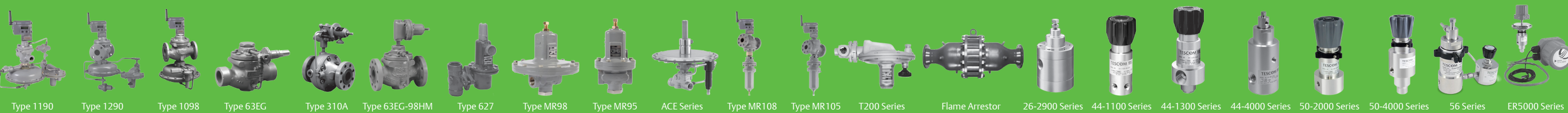
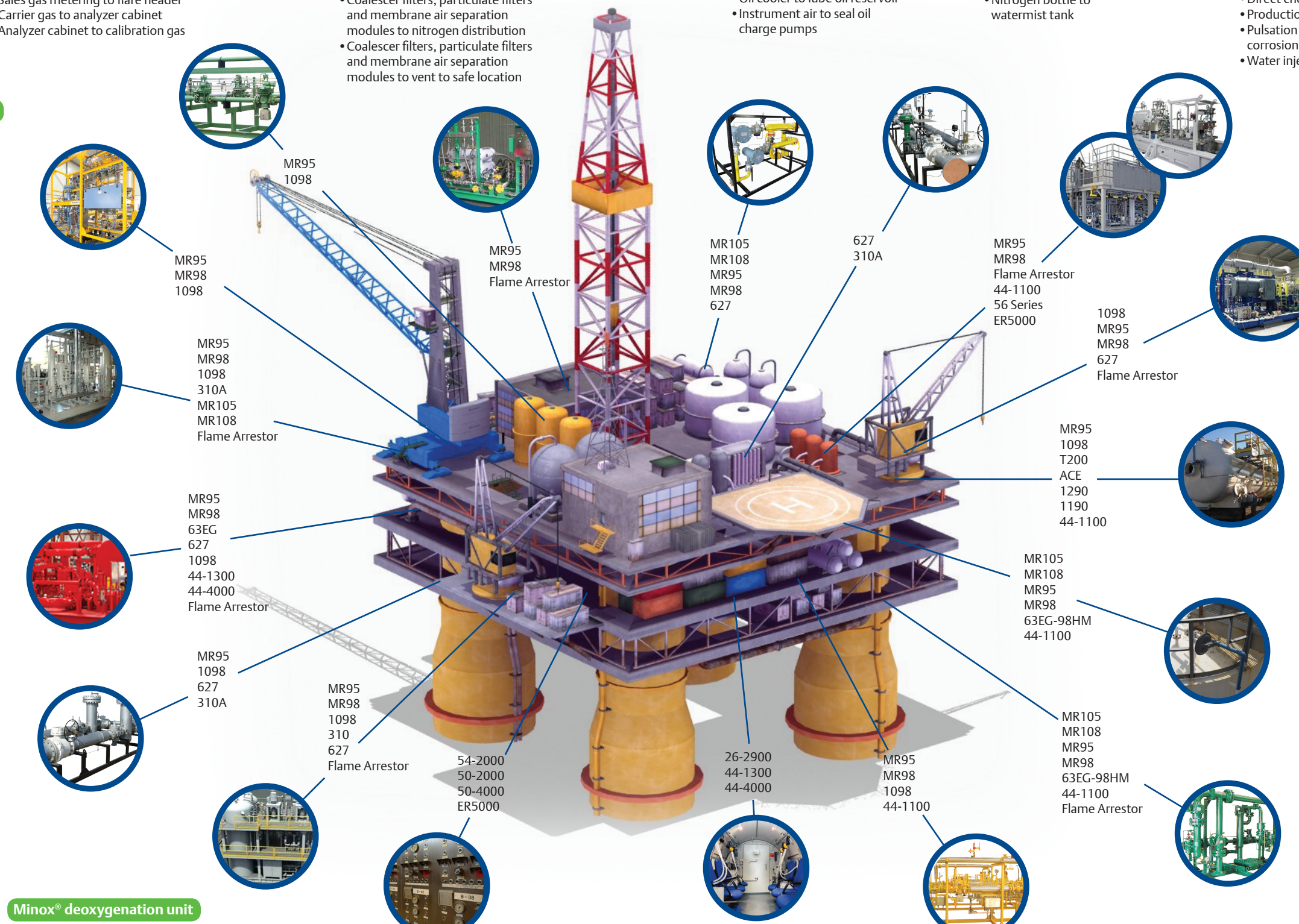
- Nitrogen generator to flare header
- Utility air to flotation cell oil pump

### Tanks

- Utility air to drilling
- Main deck drain pump

### Produced Water System

- Seawater filters to hydrogen separator
- Nitrogen generator to flare header
- Diesel filters to gas turbine driver
- Potable water maker media filter to overboard line
- Instrument air to users
- Seawater pumps to potable water maker media filter



Increase production and decrease total cost of ownership.



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

**Emerson Automation Solutions  
Regulator Technologies**

**Americas**

T +1 800 558 5853  
T +1 972 548 3574

**Europe**

T +39 051 419 0611

**Asia Pacific**

T +65 6770 8337

**Middle East / Africa**

T +971 4811 8100

✉ [webadmin.regulators@emerson.com](mailto:webadmin.regulators@emerson.com)

🔍 [Emerson.com](http://Emerson.com)

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