



# PERRY EQUIPMENT CORPORATION

**ISO 9001**

Series NGGC

## Liquid Aerosol Coalescing Elements

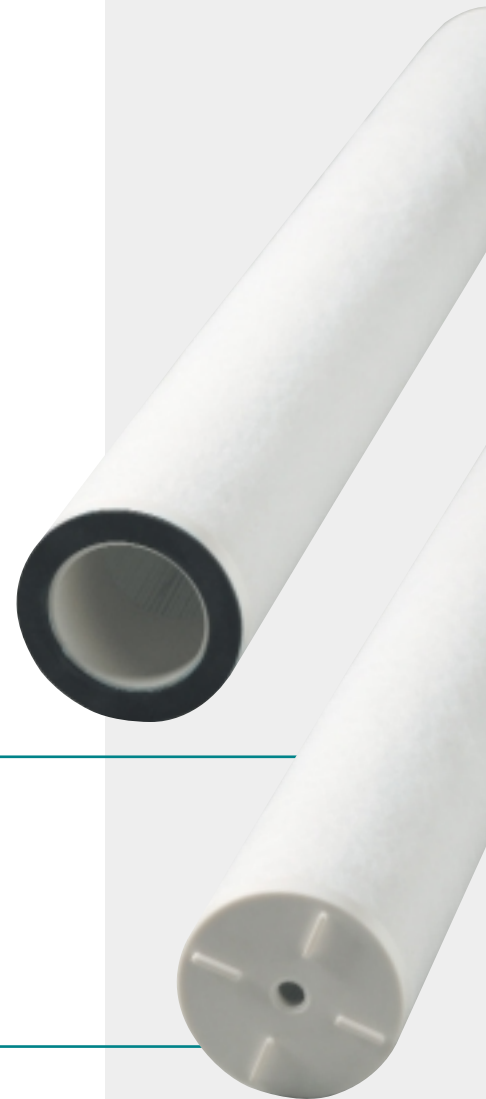
The next evolution of the **NGGC Gas Coalescer** is a result of Research and Development by Perry Equipment to address the myriad types of process conditions and contaminants found in actual field use. By incorporating advances in PEACH® technology into the new NGGC, PECO® is able to enhance the ability of the coalescer to address varying process challenges.

### Construction

- Media: Polyester or Polypropylene
- End Caps: Polyester or Polypropylene
- Core: Carbon Steel
- Outer Wrap: Polyester or Polypropylene PEM

### Operational Data

- Standard Flow Direction: Inside-to-outside of element
- Maximum Operating Temperature: 180° F / 82° C Polypropylene  
200° F / 93° C Polyester
- Recommended Element Change Out Differential Pressure: 10 - 15 psid



## PRODUCT ADVANTAGES

- Proprietary media blends individually designed for specific applications.
- Top seal unit simplifies installation and removal.
- Proprietary bottom end cap distributes gas flow throughout the element to better utilize the entire element matrix.
- Proprietary bottom end cap provides an area of low velocity to facilitate liquid drainage.

## Saturated Depth Coalescing

The proprietary PEACH® depth matrix captures and utilizes trapped liquids to enhance coalescing efficiency while the depth design matrix provides a very high solids loading capacity. This Saturated Depth Technology allows the PEACH® NGGC to achieve liquid removal ratings of down to less than 1 part per billion while reducing solids loading by a log factor of up to 10<sup>5</sup>.\*

## Performance Levels

- PL01 Standard natural gas processing applications.
- PL10 Iron sulfides and particulate loading.
- PL20 Turbine inlets and relatively clean natural gas applications.
- PL25 Turbine inlets with stainless steel hardware.
- PL30 High particulate load capacity with high coalescing efficiency.
- PL50 Pleated design for standard gas processing applications.
- PL51 Pleated design for turbine inlets and relatively clean natural gas applications.
- PL55 Turbine Inlets with stainless steel hardware.

\* Results achieved in Perry Equipment Laboratory per Standard Test PSCT-1999 and Modified CAGI-400-1999.



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