

# Product Review

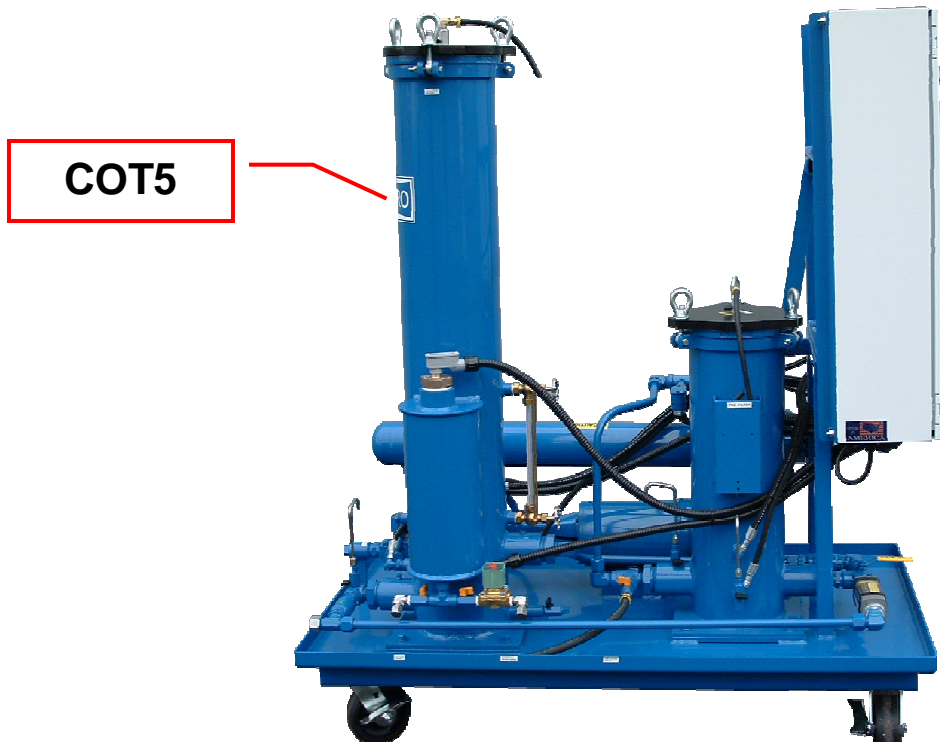
## Turbine Oil Coalesce Skids



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## Turbine Oil Coalesce Skids

- COT 10 installed on 5 Mw turbine lube reservoir
- 800 gallons fluid volume
- Oil at COT10 inlet 788 ppm during start-up
- Oil at COT10 outlet 90 ppm during start-up
- After several hours oil at COT10 inlet 82 ppm
- Measure skid inlet condition to know reservoir condition



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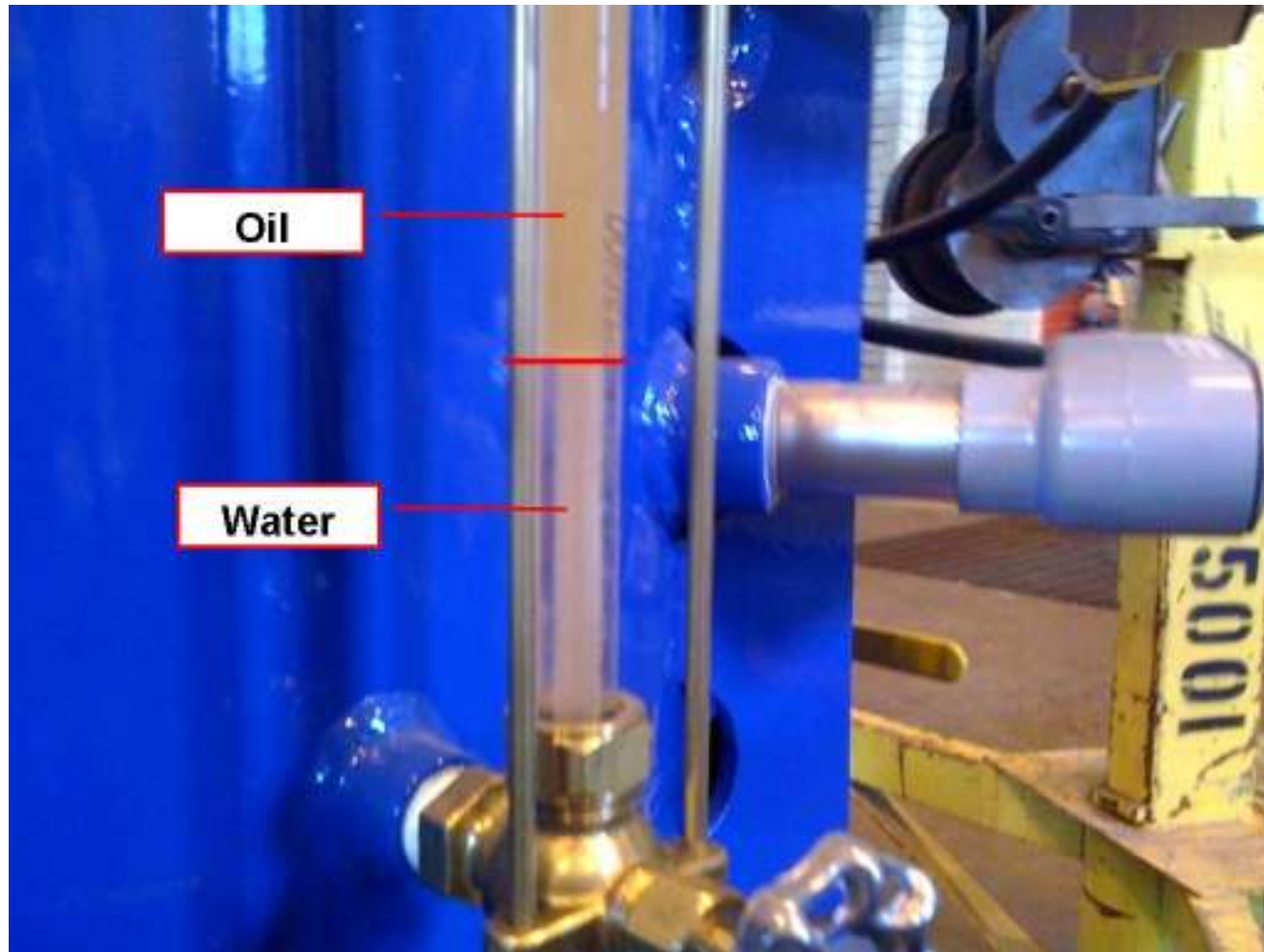


**Before  
688 ppm**

**After  
90 ppm**

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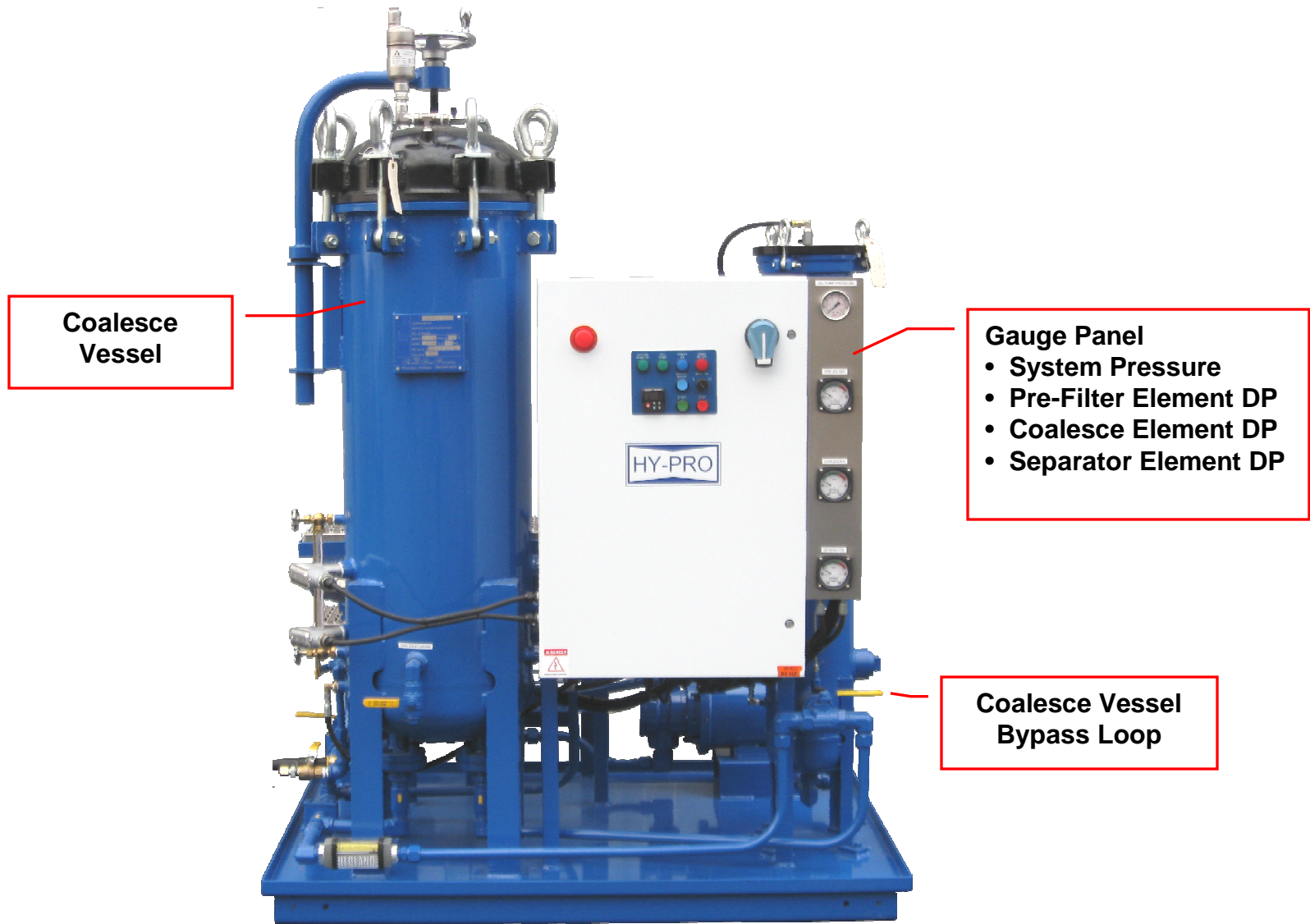
## Turbine Oil Coalesce Skids



- Excellent technology for turbine oil water & particulate removal
- > 95% efficient water removal with 5000 ppm water ingress
- Larger vessel = > residence time
- All synthetic coalesce/separator elements (better compatibility)
- Coalesce vessel bypass loop and auto phase reversal standard
- Automatic water drain continuous 24 x 7 unattended operation
- ICV and Auxiliary inlet available
- Combine COT with SVR for total turbine lube oil conditioner

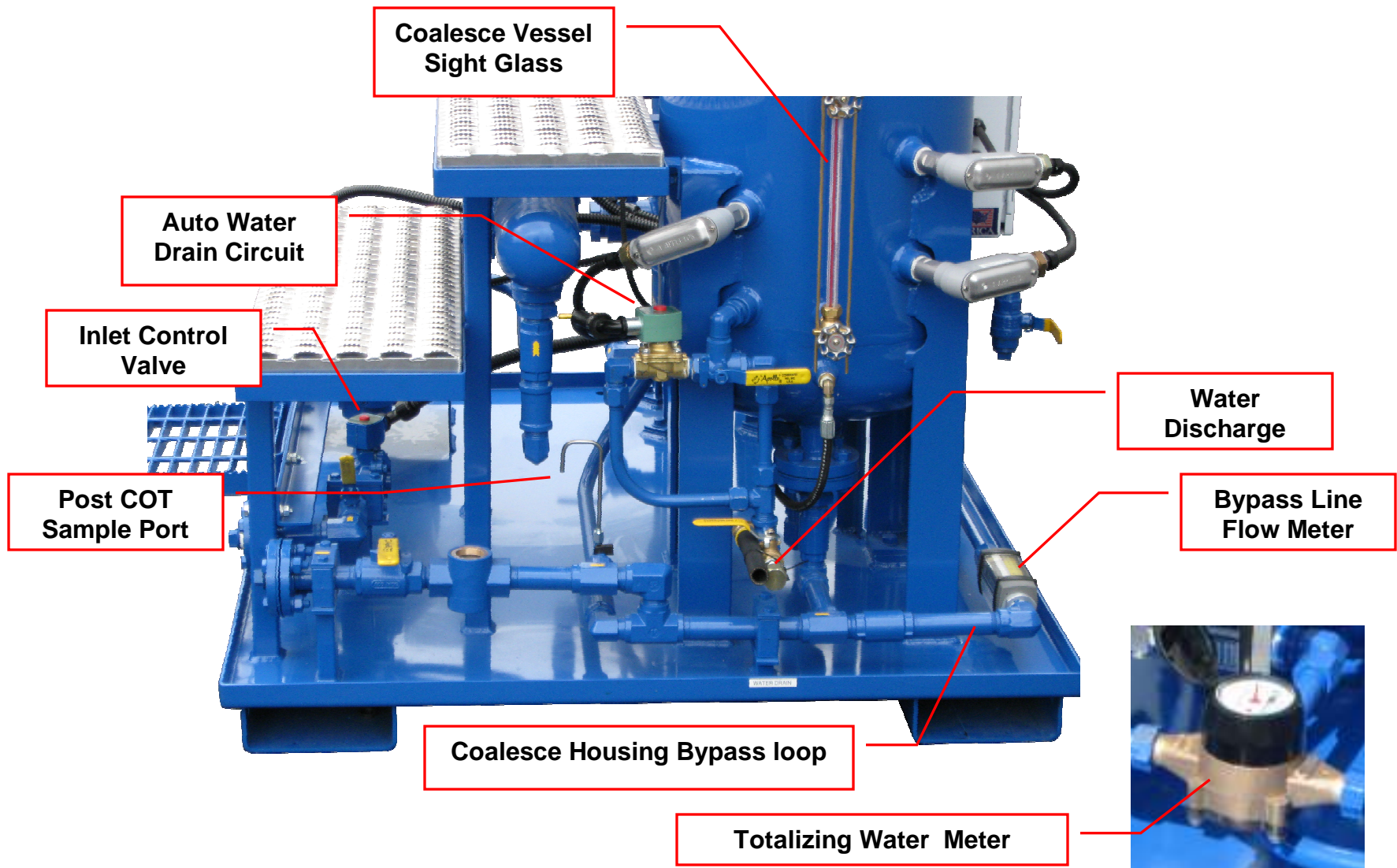
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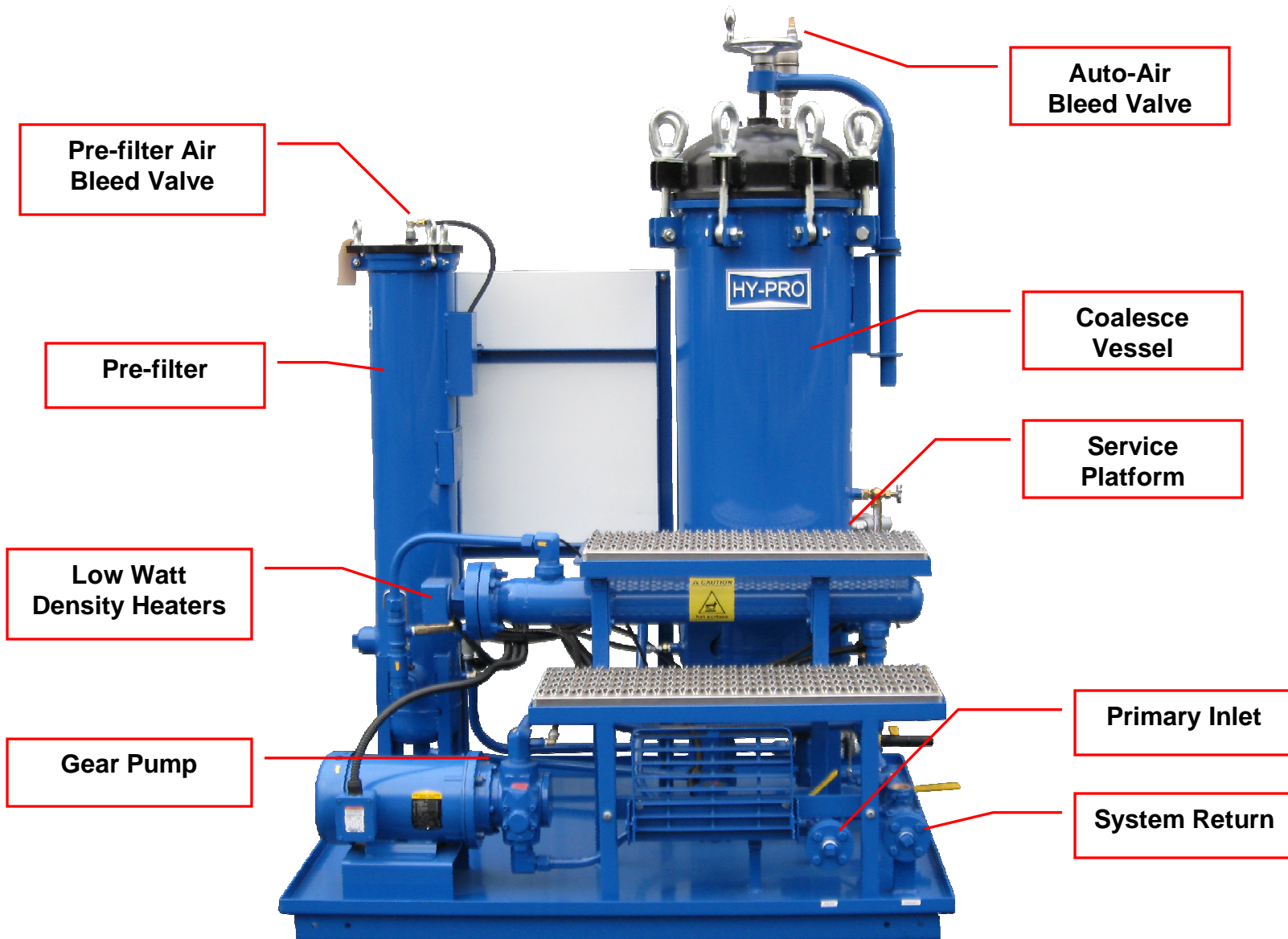
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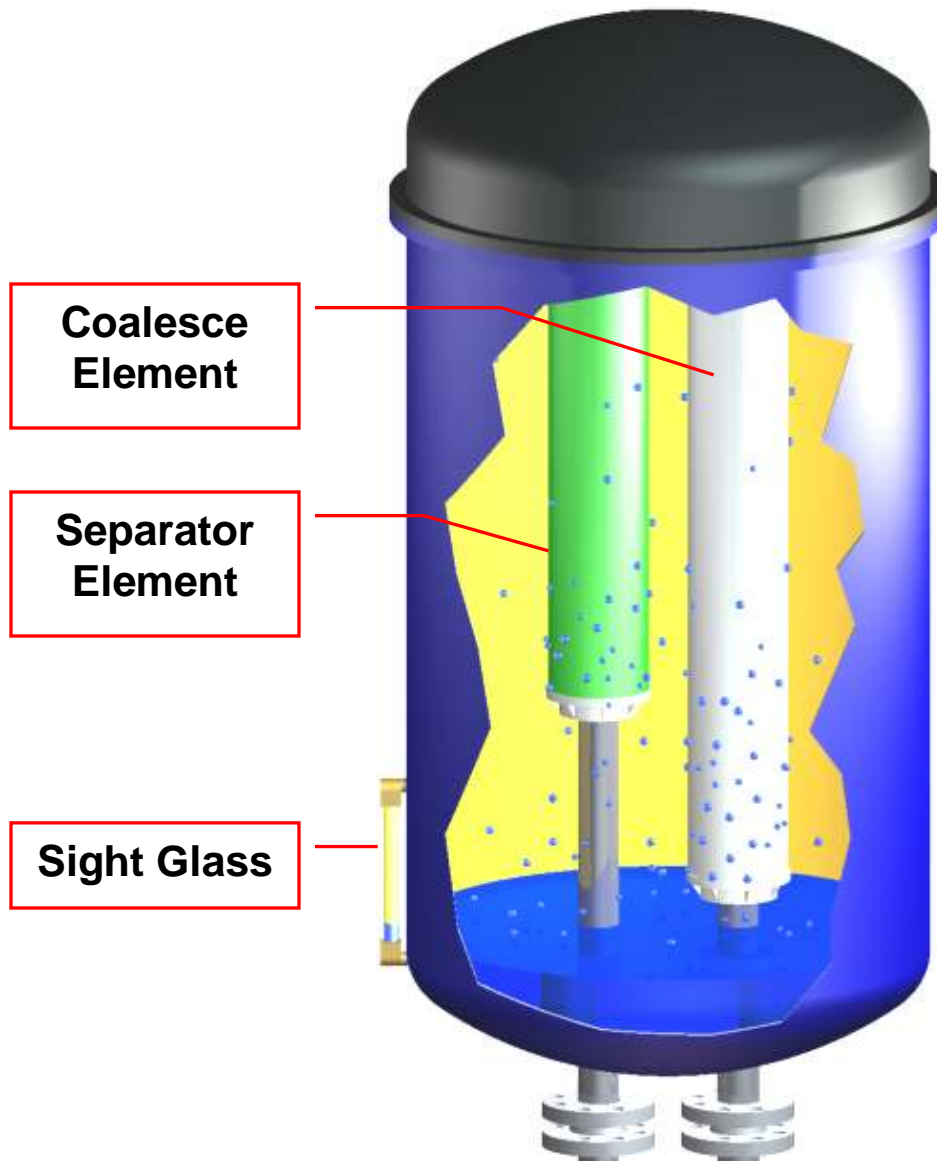


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# Coalesce Vessel & Element Function



- Water forms on coalesce media
- Coalesce into larger droplets then drain down element to bottom
- Separator screen acts as water barrier where more droplets form
- Separator is also post-filter
- Water collects in bottom of vessel
- Water level sensor activates N/C solenoid valve to drain water
- Oil level sensor closes solenoid
- Timer is backup safety to solenoid
- There will always be water in the bottom of the vessel (water leg)

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