

## HIGH FLOW LIQUID/GAS COALESCER



### DESIGN BENEFITS

- Improved separation efficiency for longer lifetime and lower operation costs
- Increased gas flow handling enables smaller elements and housing dimensions
- Design innovation enables reduced complexity, more efficient system

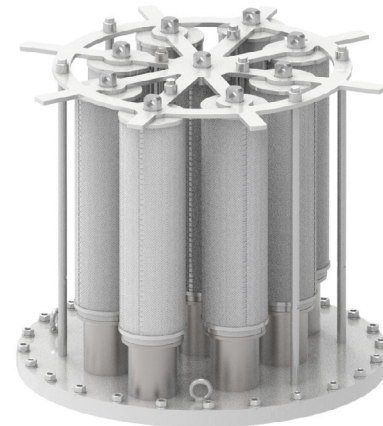
## PRODUCT DESCRIPTION

Used in process gas filtration applications in refineries, petrochemical and chemical plants, the John Crane, HFC liquid/gas coalescer protects critical process equipment by removing fine liquid droplets and solids from the gas stream. Available in three sizes of five, nine and 20 elements, gas flow up to 4600 m<sup>3</sup>/hr (2700 SCFM) can be accommodated.

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Contaminants in gas supply range from fine solids created from pipeline corrosion to lube oil from compressors. These contaminants create fouling deposits in gas turbine injectors, burner nozzles and on molecular sieve adsorbent beds, thereby impeding heat transfer and affect the efficiency of turbines, furnaces and other downstream process units. Feed natural gas contains pipeline rouge (black powder), glycol and other contaminants that need to be removed.

These problems can be mitigated by using our efficient liquid/gas coalescers on the equipment fuel gas feed. By installing the liquid/gas coalescer in line, 99.9% of the liquid aerosols and solids above 0.3 micron are removed.



### PERFORMANCE CAPABILITIES

Product	Number of Elements	Gas Flow	Temperature
HFC 1005	5	1,050 m <sup>3</sup> /hr (620 SCFM)	-29° to 175°C/-20° to 347°F
HFC 1009	9	1,890 m <sup>3</sup> /hr (1,115 SCFM)	-29° to 175°C/-20° to 347°F
HFC 1020	20	4,200 m <sup>3</sup> /hr (2,480 SCFM)	-29° to 175°C/-20° to 347°F

John Crane filtration solutions and technologies keep your operation running at peak performance to significantly reduce process contamination and increase the productivity of your operation.

**Together, we will work with you to keep your mission-critical operations up and running with support and guidance from our experienced team.**



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If the products featured will be used in a potentially dangerous and/or hazardous process, your John Crane representative should be consulted prior to their selection and use. In the interest of continuous development, John Crane Companies reserve the right to alter designs and specifications without prior notice. It is dangerous to smoke while handling products made from PTFE. Old and new PTFE products must not be incinerated. ISO 9001 and ISO14001 Certified, details available on request.