

HFC 1001/1003/ 1005/1009/1020

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

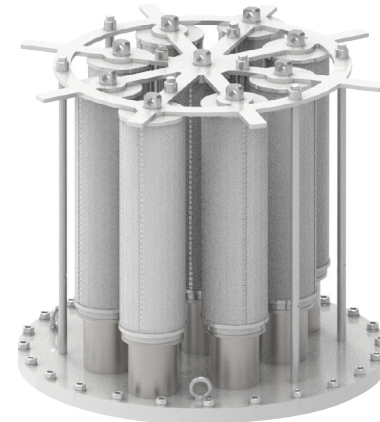
Used in process gas filtration applications in refineries, petrochemical and chemical plants, the John Crane HFC liquid/gas coalescer protects critical process equipment by removing fine liquid droplets and solids from the gas stream. Available in five sizes of one, three, five, nine and 20 elements, gas flow up to 9,000 am³/hr [5,300 ACFM] 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	Actual Gas Flow Rate Range	Vessel Type/Material
HFC 1001	1	0 to 450 am ³ /hr (0 to 265 ACFM)	Forged, SS 304 or CS
HFC 1003	3	450 to 1350 am ³ /hr (265 to 800 ACFM)	Forged, SS 304 or CS
HFC 1005	5	1,350 to 2,250 am ³ /hr (800 to 1,325 ACFM)	Welded, SS 304 or CS
HFC 1009	9	2,250 to 4,050 am ³ /hr (1,325 to 2,380 ACFM)	Welded, SS 304 or CS
HFC 1020	20	4,050 to 9,000 am ³ /hr (2,380 to 5,300 ACFM)	Welded, SS 304 or CS
Custom	20+ (TBD)	9,000+ am ³ /hr (> 5300 ACFM)	Welded, SS 304 or CS

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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Brazil
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United Arab Emirates
Tel: 971-481-27800

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Singapore
Tel: 65-6518-1800

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.