

CYPHON™ 45 SERIES



Cost Effective Coalescence

These elements have been specially engineered to provide the most cost effective high efficiency liquid coalescence of gas streams on the market.

Cyphon technology utilizes pleated proprietary micro-fiber media formulations, superior element design and engineered vessel design to ensure interception, coalescence, and drainage of unwanted liquid contaminant from gas streams.

Benefits

- Direct upgrade for common 336 style liquid gas coalescing element
- Provides high efficiency removal of unwanted liquid contaminants
- 99.98% liquid aerosol removal
- High surface area providing low pressure drop and longer life
- Available in double open ended (DOE) or single open ended (SOE) cap styles
- Buna and Viton® gaskets used as standard sealing elastomers (other materials available)

Common Applications

- Amine plant feed gas and treated gas
- Suction and discharge of compressors
- Fuel Gas purification
- Protection of molecular sieve beds, alumina beds, activated carbon beds, flare systems, glycol units and metering systems
- Turbine feed gas

Common Liquid Contaminants

Compressor lubrication oils, water, hydrocarbon condensates, amines, glycols, solvents, completion fluids, brine, and other liquid phase contaminants

Element Dimensions

Outside Diameter..... 4.50"
Inside Diameter 3.25", 3.125", 2.875"
Length..... 36"



PRODUCT SPECIFICATIONS

Gas Micron Ratings: 0.1, 0.3, 0.5 & 1 @ 99.98% (others available)

Maximum Operating Conditions: 200°F (93.3°C) Continuous Operating Temperature

Recommended Clean Pressure Drop: ≤ 2 PSID

Recommended Change-Out Differential Pressure: 12 PSID

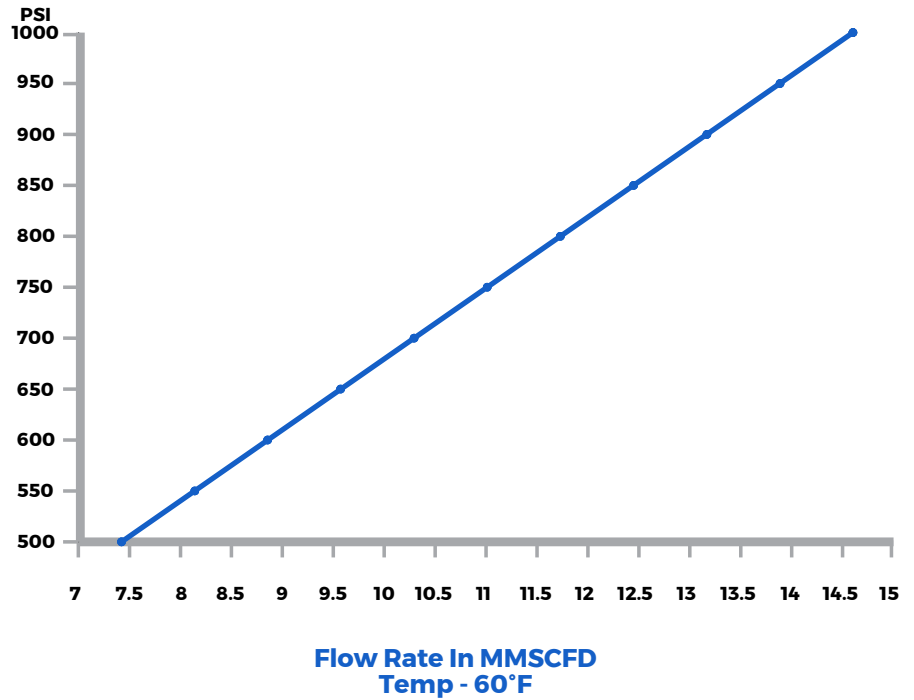
Maximum Recommended Differential Pressure: 15 PSID

Normal Flow Path: Inside-to-outside (Outside-to-inside is optional)

Standard Liquid Loading: Up to 0.141 GPM per element

CYPHON 45 GAS / LIQUID COALESCING ELEMENT

Maximum recommended flow rate at pressure for natural gas. (0.65 S.G. and 0.012 cP)



CARTRIDGE CODING

Use the chart below to create cartridge part number for ordering. Please include dashes when creating part numbers.

| | Cyphon 45 Series Gas Coalescer | Gas Micron Rating 99.98% | Non-Media Components | Media | Length | End Cap | Seal Material | Flow Path |
|---------|--|--|---|----------------------|------------------------------------|---|---------------------------------|--|
| EXAMPLE | CG40 | 001 | T | G | 36 | 1 | B | |
| OPTIONS | CG40 Standard (3.25" ID) CGA40 Amine Compatible CG41 (3.125" ID) CG42 (2.875" ID) | 001 - 0.1 Micron 003 - 0.3 Micron 005 - 0.5 Micron 010 - 1 Micron | T Tinned Steel S Stainless Steel | G Glass Fiber | 24 - 24" 36 - 36" | 1 - DOE w-bolt hole 5 - SOE w/FTC removal tool cap | B Buna V Viton | Blank Inside - to - outside O Outside-to-inside |

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