

Condensate Management

KCF Series Oil/Water Separators



Reliable and Simple

Compressed air condensate is mostly water but has enough oily waste to make it unacceptable to put into either the sewer system or ground water. The filter media in KCF traps most oils and solids so that the remaining liquid has 20 ppm or less oil concentration and may be safely discharged into a sanitary drain*. This eliminates the need for expensive waste collection services.

With the KCF condensate management doesn't get any easier. KCFs work well with common compressor fluid types, and KCFs are easy to install with no electrical connections or hard piping required.

Periodic maintenance is a breeze. Just open the lid (no tools required) and replace the filter media cartridge. Used filters are simply sent to the landfill in a disposal bag that comes with each new cartridge.

**Always observe local guidelines for disposal of effluents.*

Features

- High performance filter media
- Filter change indicator (KCF 50 only)
- Two inlet connections and one outlet connection
- Pressure relief chamber
- Wall mounting
- Single cartridge
- 20 ppm or less oil concentration in the outlet condensate
- Reference turbidity cup
- Sampling valve

Options

- KCM condensate manifold - allows up to eight condensate inlet lines
- Flow splitter - allows up to four parallel piped KCF units for larger air flow applications
- High pressure relief chamber - for systems up to 580 psig



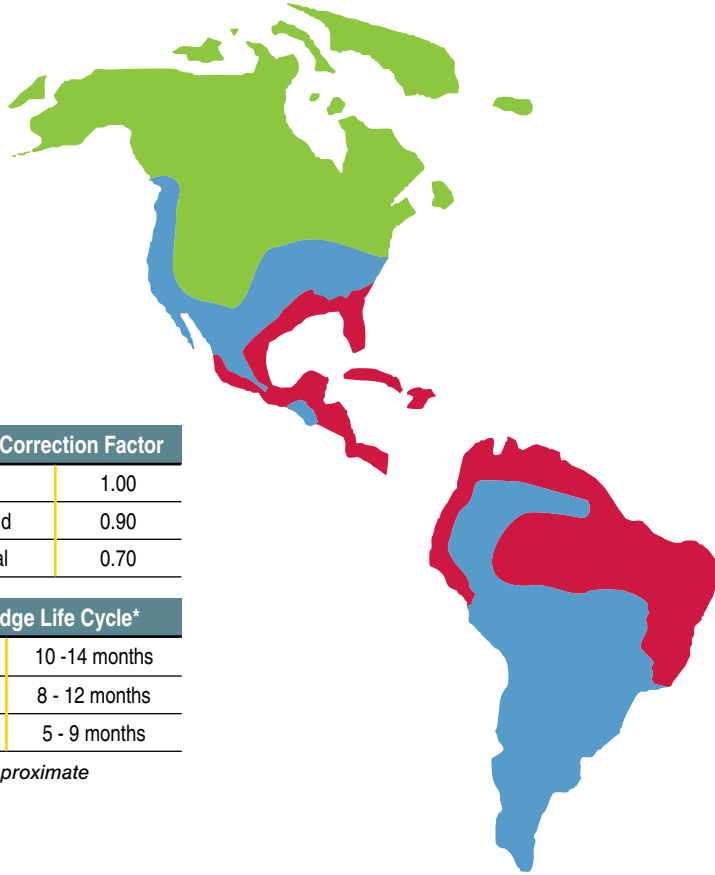
*KCM

Technical Specifications

| Model | Condensate Inlet (hose connection) (in.) | Water Outlet (hose connection) (in.) | Weight Empty (lbs.) | Dimensions W x D x H (in.) |
|--------|--|--|------------------------|----------------------------------|
| KCF 25 | 2 x ½ | ½ | 7.7 | 11.4 x 8.7 x 20.8 |
| KCF 50 | | ½ | 12.7 | 14.8 x 10 x 23.4 |

Notes: Maximum operating pressure of inlet is 232 psig. Operating temperature range is 41-140°F.

Specifications are subject to change without notice.



| Climate Zone Correction Factor | |
|--------------------------------|------|
| Cool / Mild | 1.00 |
| Medium / Arid | 0.90 |
| Hot / Tropical | 0.70 |

| Filter Cartridge Life Cycle* | |
|------------------------------|---------------|
| 1 Shift | 10 -14 months |
| 2 Shifts | 8 - 12 months |
| 3 Shifts | 5 - 9 months |

* Ranges are approximate

Selecting the Proper KCF

To size a KCF, divide your system's total scfm flow by the climate zone correction factor. Then pick the sizing chart according to your compressor and lubricant type, and pick which KCF has at least the same capacity. If your flow exceeds the capacity of the KCF 50, you can use a combination of two units with the optional flow splitter or use an AQUAMAT i.CF model.

Rotary Screw Compressors

| Model | KCF 25 | KCF 50 |
|--------------------|--------|--------|
| Compressor | scfm | |
| Mineral Oils | 113 | 225 |
| PAO / Diester Oils | 90 | 158 |
| Polyglycol Oils | 60 | 113 |

Reciprocating Compressors

| Model | KCF 25 | KCF 50 |
|----------------|--------|--------|
| Compressor | scfm | |
| Mineral Oils | 90 | 180 |
| Synthetic Oils | 60 | 113 |



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