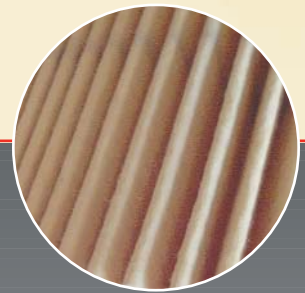
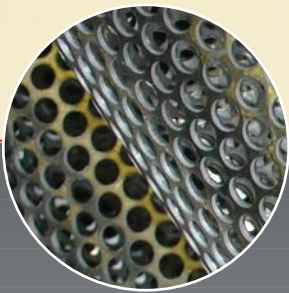


EXTENDING YOUR ENERGY



KA-XP SERIES • OIL CONDITIONERS FOR ROTATING EQUIPMENT IN REFINERIES & CHEMICAL PLANTS

Applications:

- Hydrogen Compressors
- Wet Gas Compressors
- Power Recovery Train
(Turbo-Expanders)
- Industrial Steam Turbines
- Any Turbine Driven
Equipment

Utilizing Turbo-TOC® Technology

KAYDON
KAYDON FILTRATON

Oil Conditioners for Rotating Equipment in Refineries & Chemical Plants

Steam turbine mechanical failures, due to contaminated turbine lube oil, result in unavailability, partial forced outages, and expensive maintenance costs for rotating equipment. Clean turbine lube oil helps prevent forced outages, reduces maintenance costs, and keeps the turbine operational. The Kaydon Filtration Model KA-XP line of turbine oil conditioners are designed to purify the turbine oil to cleanliness levels of ISO 16/14/11 and reduce water to below 100 ppm.

As refinery and chemical plant reliability requirements increase, the need for turbine uptime becomes more important. Optimum usage of the rotating equipment is critical and because turbines are essential machines, failures become costly. The Kaydon Filtration KA-XP line of turbine oil conditioner systems will help keep the level of reliability and efficiency at its peak.



**KA5-XP with
Prefilter**

Model KA5-XP, KA10-XP & KA30-XP

- Explosion Proof – Class 1, Division II, Group C & D
- Flow Rate: KA5-XP = 5 gpm (10 lpm) / KA10-XP = 10 gpm (38 lpm) / KA30-XP (114 lpm)
- Control Panel (Motor ON & Stop Control)
- Particulate Removal to ISO 16/14/11 (elements tested per ISO 16889)
- Water removal to 100 ppm * (Total Water)
- ASME Code Vessel with element differential pressure gauge & Automatic Water Drain
- Dimensions & Weight:
 - KA5-XP and KA10-XP: 36" L x 30" W x 68" H (914 mm L x 762 mm W x 1727 mm H), weight = 900 lbs. (408 kg) – dry
 - KA30-XP: 42" L x 50" W x 68" H (1067 mm L x 1270 mm W x 1727 mm H), weight = 1,050 lbs. (477 kg) – dry
- Connections:
 - KA5-XP and KA10-XP: 1.5" (38 mm) inlet / 1" (25 mm) outlet (150# RF Flange)
 - KA30-XP: 2" (51 mm) inlet / 1.5" (38 mm) outlet (150# RF Flange)
- 460 VAC / 60 Hz / 3 PH (575 VAC & 380 VAC available)
- Heater – optional
- Prefilter – optional
- Skid – optional (must order with the prefilter and/or heater option)



KA10-XP



KA1-XP

Dimensions	21" L x 19" W x 38" H (533 mm x 483 mm x 965 mm)
Weight	125 lbs. – dry (57 kg)
Inlet	1/2" (12.7 mm)
Outlet	1/2" (12.7 mm)
Flow Rate	1 gpm (3.8 lpm)
Totalizing Water Meter	Yes
Strainer	Yes
Controls	ON/OFF Switch
Electrical Requirements	120 VAC/60 Hz/1 PH
Element Requirements	K500, Combination Coalescer & Separator Elements
Indicators	Element Differential Pressure Gauge
Sump Heater	Option
Explosion Proof	Class 1, Division II, Group C & D

Sizing Information

Reservoir Size	Model	Flow Rate
0 – 240 gallons (0 – 908 L)	KA1-XP	1 gpm (3.8 lpm)
241 – 600 gallons (909 – 2271 L)	KA5-XP	5 gpm (18.9 lpm)
601 – 1,200 gallons (2272 – 4543 L)	KA10-XP	10 gpm (37.8 lpm)
1,201 – 3,600 gallons (4544 – 13627 L)	KA30-XP	30 gpm (114 lpm)
3,600 + gallons (13627 L +)	KA135V-XP	35/70/100/135 gpm (132/265/379/511 lpm) (variable speed)



KA135V-XP



Model KA135V-XP

- Explosion Proof – Class 1, Division II, Group C & D
- Flow Rate: 35 gpm (132 lpm) / 70 gpm (265 lpm) / 100 gpm (379 lpm) / 135 gpm (511 lpm) / (variable flow rate)
- Control Panel
 - Motor ON & Stop, Heater ON light, Flow Rate Selector, Low Flow Alarm
- Particulate Removal to ISO 16/14/11 (elements tested per ISO 16889)
- Water removal to below 100 ppm * (Total Water)
- ASME Code Vessels (prefilter & coalescer) with differential pressure gauges
- Automatic Water Drain
- Dimensions: 91" L x 80" W x 84" H (2311 mm L x 2032 mm W x 3134 mm H), weight = 1,975 lbs. (896 kg) – dry
- Connections: 3" (76 mm) inlet / 2" (51 mm) outlet (150# RF Flange)
- 460 VAC / 60 Hz / 3 PH (575 VAC & 380 VAC available)
- Heater – 44KW heater
Heats a 1,200 gallon (4543 L) oil reservoir from 70°F (21°C) – 140°F (60°C) in 5 hours

*Water removal is based upon an initial water concentration of 5,000 ppm. If water ingress is significantly higher, results may vary. Under normal operating conditions, the KA-XP will provide oil cleanliness to a water level below 100 ppm Total Water (total water is equal to the ppm of free, emulsified, and dissolved water).



Markets/Industries Served

- Refineries
- Chemical Plants
- Petrochemical Facilities



Warranty

Kaydon Filtration warrants the products manufactured by it to be free from defects in material and workmanship. This warranty terminates 18 months from date of invoice or 12 months from date of installation by the original purchaser, whichever comes first. There is no other warranty, expressed or implied in fact or by law.



Distributed by:



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