KING
Filtration Technologies, Inc.

FILTRATION SOLUTIONS
FOR A MORE RELIABLE
TOMORROW

One Source For All Your Filtration Needs



Products, Systems & Support for Power Generation

One partner for filtration products, application support, and supply chain needs.



Coal



Natural Gas / Combined Cycle



Hydroelectric



Nuclear

60+
Years In Power Generation

600+
Plants Supplied

2,000+
Supplier Relationships

24/7
Emergency Support

Contact a Power Generation Filtration Expert

sales@kingfiltration.com | 800.999.8441
1255 Research Blvd. St. Louis, MO 63132

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Complete Filtration Support for Power Generation

King supports filtration and separation applications throughout coal, natural gas / combined cycle, nuclear, and hydroelectric facilities



Turbines & Critical Fluid Systems

- Turbine Lube Oil
- Hydraulic & Governor Oil
- EHC & Control Fluids
- Transformer Oil Purification



Air, Gas, Fuel & Compression

- Turbine Inlet Air
- Compressors & Dryers
- Fuel Gas Conditioning
- Liquid & Diesel Fuel



Plant Utilities, Solids & Environmental

- HVAC & Ventilation
- Coal & Ash Handling
- Dust / Baghouse Filtration
- Mist & Fume Collection



Water, Cooling & Steam Cycle

- Cooling Water
- Boiler / HRSG Water
- Condensate Polishing
- Makeup & Wastewater

Additional Applications Include:

- Varnish Removal
- Cooling Tower Side-Stream Filtration
- Bulk Fuel Storage Polishing
- Oil Dehydration & Water Removal
- RO / Demineralizer Pretreatment
- Oil-Water Separation
- Compressor Lube Oil Filtration
- Temporary Flushing & Cleanup Filtration

Need an Application That is Not Shown?

King's broad supplier network and engineering support extend well beyond these common power-generation applications.

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Filter Supply Chain Alliance Program

King works with multi-plant power generation companies to consolidate filtration supply, improve inventory utilization, reduce total filtration cost, and support technical improvements across plant locations.

Supply Chain & Inventory Support

- Consolidate sourcing and purchasing across plant locations
- Survey storerooms and verify filters currently in use
- Standardize filters to increase consistency and buying power
- Reduce duplicate, excess, and obsolete inventory across plants
- Improve item data and inventory utilization across locations

Engineering & Application Support

- Troubleshoot filtration systems and performance issues
- Improve filtration performance, safety, and reliability
- Reduce downtime and extend filter service life
- Evaluate newer technologies and process improvements
- Reduce maintenance labor and disposal costs

Improve Filtration Without Giving Up Specification Control.

Track Savings & Manage Change

TARGETS gives enrolled customers visibility into documented savings across corporate and plant locations, while also helping manage manufacturer change notifications that may affect critical filtration applications.



We supply the brand you specify

Independent, unbiased filtration support

Typical documented savings exceed 20% in the first year, with additional annual savings of 5-15% through inventory improvements, product alternatives, and technical process improvements.

Contact us for a complete review of your filtration needs and a tailored presentation on the ways King Filtration can reduce your total cost of filtration purchases.

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All Types of Filters for All Applications

Replacement filters, elements, media, and consumables for critical power generation applications.



Lubrication & Hydraulic Oil

- Varnish Removal
- Cooling Tower Side-Stream Filtration
- Bulk Fuel Storage Polishing
- Oil Dehydration & Water Removal



Air, Gas & Turbine Inlet

- Gas turbine inlet filtration
- Compressors & dryers
- Instrument/compressed air
- Fuel gas filtration
- Gas coalescing & separation
- Vacuum & pneumatic systems



Dust Collection & Baghouse

- Baghouse filter bags
- Dust collector cartridges
- Pleated dust elements
- Coal handling dust filtration
- Ash handling applications
- High-temperature/specialty media



HVAC & Ventilation

- Plant HVAC
- Control/electrical room filtration
- Panel filters
- Pleated filters
- Bag filters
- High-efficiency/HEPA filtration



Water, Cooling & Membrane

- Cooling water
- Process & service water
- Condensate filtration
- Pre-RO filtration
- RO membranes
- Cartridge pre-filtration



Liquid Filter Cartridges & Bags

- Cartridge filters
- Bag filters
- Wide material selection
- Chemical compatibility
- Temperature compatibility
- Process-fluid filtration



Microfiltration Cartridges, Capsules & Devices

- Fine and absolute-rated filtration
- High-purity applications
- Analytical filtration
- Specialty cartridges
- Capsules and disposable devices



Fuel Filters & Separators

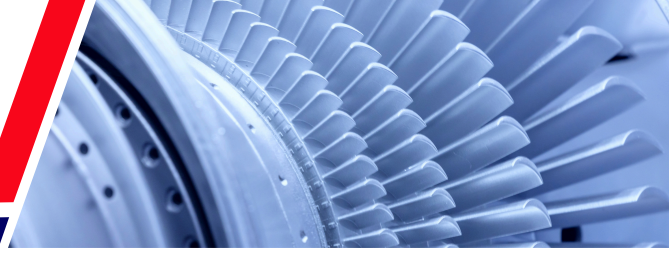
- Natural gas
- Diesel fuel
- Liquid fuel
- Fuel polishing
- Coalescing & water separation
- Standby generator fuel filtration



Filter Media & Aids

- Fuller's earth
- Activated carbon
- Ion-exchange/specialty media
- Filter papers
- Filter press cloths
- EHC treatment media

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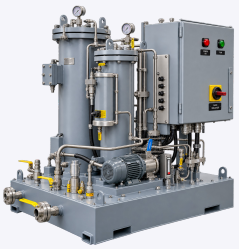
Oil & Critical Fluid Purification Systems

Engineered Systems for Critical Power Generation Applications



Vacuum Dehydration Oil Purification Systems

Remove free, emulsified, and dissolved water from turbine and lubrication oils to reduce corrosion, maintain fluid quality, and protect critical equipment.



EHC Fluid Filtration & Treatment Systems

Remove particulates, moisture, and acidic degradation products from phosphate-ester fluids to protect sensitive turbine controls and maintain reliable operation.



Varnish Removal Systems

Remove varnish precursors and oil degradation products to reduce deposits, protect sensitive components, and improve turbine and hydraulic system reliability.



High-Flow Filtration & Flushing Skids

Remove particulate contamination during turbine-oil flushing, commissioning, and outages to achieve required cleanliness levels before equipment startup.



Portable & Kidney-Loop Filtration Systems

Provide offline particulate filtration for gearboxes, reservoirs, and hydraulic systems during routine maintenance, oil transfer, and contamination cleanup.

Support & Services

- Rental Equipment
- Field Service
- Replacement Elements
- System Sizing & Selection
- Outage & Commissioning Support



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Additional Purification, Monitoring & Support Systems

Additional engineered and specialty solutions used across power generation facilities.

Diesel Fuel Storage & Polishing Systems

Remove water and particulate contamination from stored diesel fuel to protect fuel systems and maintain standby power readiness.



Transformer Oil & Load Tap Changer Filtration

Remove moisture and contaminants from transformer insulating oil while supporting separate load tap changer oil filtration where applicable.



Fuel Gas Conditioning & Separation

Remove solid particles and entrained liquids from natural gas to help meet fuel quality requirements and protect gas turbines.



Coal & Ash Handling Dust Collection

Dust collector bags and cartridges capture airborne particulates from coal and ash handling operations, supporting cleaner, more reliable plant operations.



Plant Makeup Water & RO Systems

Pretreatment filtration and reverse osmosis systems reduce suspended solids and dissolved impurities to meet plant water quality requirements.



Online Contamination Monitoring

Continuous particle monitoring tracks fluid cleanliness and contamination trends to support proactive maintenance and verify filtration performance.



Applications shown are representative examples. King can review additional systems and applications based on plant needs.

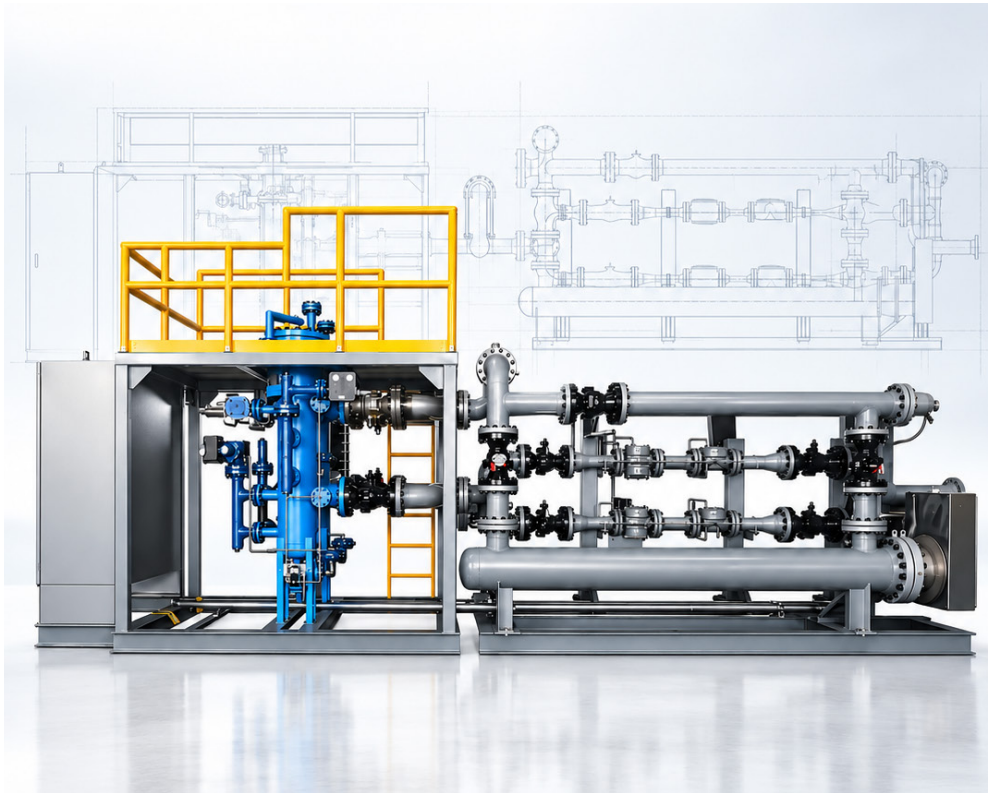
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System Design, Engineering & Fabrication

From Individual Filter Vessels to Complete Turnkey Systems

King Filtration provides engineering, design, and fabrication support for power generation filtration applications. From custom vessels and system retrofits to complete turnkey packages, we help customers develop filtration solutions that meet their operating requirements.



Support & Services

- Application Engineering & System Design
- Custom Filter Vessels & Skids
- Complete Turnkey Filtration Systems
- System Retrofits & Process Expansions
- ASME-Code Fabrication Resources
- Startup & Commissioning Assistance
- On-Site Troubleshooting
- Customer Training & Technical Support

Materials & Fabrication

Carbon Steel • Stainless Steel • Specialty Alloys • Non-Metallic Components

ASME-code fabrication resources are available for applicable system requirements.

From One Filter to an Entire Filtration Program

Have a replacement need, equipment specification, or multi-plant filtration challenge?
King can help identify the right product, engineering solutions, and technical support for your operation.

sales@kingfiltration.com 800.999.8441 kingfiltration.com

We Supply These Brands and Hundreds More

3M FILTERS
AEROPAC
AIR GUARD
AIR MAZE
AIR REFINER
AIRSAN
ALSOP
ALSTOM POWER
AHLSTROM
AMERICAN AIR FILTERS
AMERICAN FELT
AMETEK
ARBORTECH
ARROW PNEUMATIC
ARTECH FAUDI
ASEA BROWN & BOVERI (ABB)
ATLAS COPCO
AUTO-KLEAN
BALDWIN
BALSTON
BANNER
BARNSTEAD
BHA GROUP
BULLDOG MANUFACTURING
BURGESS-MANNING
BUSCH
C. P. ENVIRONMENTAL
CAMBRIDGE
CANFLO
CARRIER
CARTER DAY
CASE
CATERPILLAR
CIMTEK
CLARK
CM KEMP
COLUMBIA
COMMERCIAL FILTERS
COMPLETE FILTRATION
CONOFLOW
CONSLER
CONTINENTAL
COOPER
CORNING SEPARATIONS
CUMMINS
CUNO
DCE, INC.
DELCO
DELTECH
DOLLINGER
DOMNICK HUNTER
DONALDSON
ELLIOT COMPRESSOR
EMD
ENDUSTRA
ENGINEERED FILTER
EPPENSTEINER
EVERPURE
FACET
FAIREY ARLON
FARR
FESTO SILENCER
FILMTEC
FILPRO
FILTER CONTROL
FILTER EQUIPMENT CO, INC.
FILTER PRODUCTS
FILTER SPECIALISTS, INC.
FILTERCOR
FILTERDYNE
FILTERITE
FILTERMART
FILTERSOFT
FILTRATION ENGINEERING
FILTRATION PLUS
FILTRATION SYSTEMS
FILTREC
FINITE
FLANDERS
FLEETGUARD
FLEETLIFE
FLO-LINE
FLOW EZY
FLUID DYNAMICS
FLUITEK
FRAM
FSI
FULFLO
GAF
GARDNER DENVER
GAS DRYING, INC.
GAST CO.
GELMAN
GENERAL ELECTRIC
GENERAL FILTERS
GENERAL PNEUMATICS
GKN SINTERED METALS
GLASSFLOSS
GRAINGER
GRESEN
GUARDIAN FILTER
GULFGATE ENGINEERING
HANKISON
HARMSCO
HARNISCHFEGER
HARVARD CORP.
HASTINGS
HAYWARD
HEADLINE
HEAVY DUTY AIR
HENDERSON AIR DRIERS
HEPA FILTERS
HILCO
HILLIARD
HOFFMAN AIR
HONAN CRANE
HYCON
HYDAC
HYPRO
HYTREX
IFM
INDUFIL
INDUSTRIAL FILTER MFRS.
INGERSOLL RAND
INTERNORMEN
IONPURE
JOHNS MANVILLE
JOHNSON FILTRATION
JOY COMPRESSOR
KAESER COMPRESSOR
KAYDON
KEENE
KEYSTONE FILTER
KING ENGINEERING
KINNEY VACUUM
KNIGHT
KOCH AIR FILTERS
LCI CORPORATION
LECO CORPORATION
LEEDAL
LENZ
LEYBOLD
LHA PRODUCTS
LOCKWOOD & McCLORIE
LOEFFLER
LUBERFINER
LUBRIMIST
LUBRIQUIP
MAHLE
MANN-HUMMEL
MARVEL
MASTER PNEUMATIC
MATHESON TRIGAS
MATRIX SEPARATIONS
MATTSON
MCMASTER CARR
MEISSNER FILTRATION
MEMTEC
MICHIGAN FLUID POWER
MICRODYNE
MILLIPORE
MINNTECH
MONITOR LABS
MOOG
MOTT METALLURGICAL
MP FILTRATION
MSI
MURPHY
NAFCO
NAPA
NELSON WINSLOW
NORCO
NORDSON
NORGREN
NORMAN
NORTH AMERICAN FILTER
NUCLEOPORE
NUGENT
NUPRO
OILGUARD
OIL FILTRATION SYSTEMS (OFS)
PNEUMATIC PRODUCTS (PPC)
PALL CORPORATION
PARKER HANNIFIN
PEERLESS MFG.
PENTAIR
PERRY EQUIPMENT (PECO)
PLEATCO
PLENTY
PLYMOUTH PRODUCTS
PNEUMAFIL COMPANY
PNEUMATECH
POROUS MEDIA
PRECISION-AIRE
PTI TECHNOLOGIES
PURAFIL
PURE AIRE
P UROLATOR
PX FILTRATION
QUANTEK
QUINCY COMPRESSOR
R P ADAMS CO.
RACOR
REFILCO
REXROTH
RONNINGER PETTER
ROSAEN
ROSEDALE
ROYAL FILTERS
SAHARA AIR DRIERS
SCHRADER BELLOWS
SCHROEDER
SCHULLER
SERFILCO
SHAWNDRA
SHELCO FILTERS
SMITH FILTERS
SNOW FILTRATION
SOLBERG
SOUTHWEST FILTERS
SPERRY
SPORLAN
STAUFF CORP.
STODDARD
STOKES VACUUM, INC.
STRAINRITE FILTERS
SULLAIR
SUNSHINE
TDC
TECHNOLAB
TEM FILTER
TEXAS FILTRATION
TORIT
TRIDEX
U S F FILTRATION
U. S. FILTER
UCC PRODUCTS
ULTRAFILTER
UNITED ENGINE LIFE
UNITED FILTERS
UNIVERSAL SILENCER
VELCON
VEOLIA
VICKERS
VOKES
W L GORE
WATTS FLUIDAIR
WESTERN
WESTINGHOUSE
WHATMAN
WILKERSON
WINSLOW
WIX
ZANDER
ZEKS AIR DRIER
ZINGA

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