

# Precision Filtration Products

YOUR ONE  FOR FILTERS.

## HV-SERIES

### CUSTOM MANUFACTURED SOLUTIONS TO PURIFYING INSULATING OILS

With the higher costs of oils and ever increasing environmental regulations and liability, it is no longer economical to replace electrical insulating oils to renew their dielectric strength. Restoring these oils to their original strength through purification is now a necessity.

**HV-Series** High Vacuum (Hi-Vac) Oil Purification Systems are designed specifically to meet the operational, economic and environmental needs of industry in purifying insulating oils.

Through our proven dehydration, degasification and filtration techniques, **HV Systems** can quickly and easily remove:

FREE & EMULSIFIED WATER TO < 10 PPM

FREE & DISSOLVED AIR GASES TO 0.25% OF TOTAL GAS CONTENT

PARTICULATE MATTER TO 0.5 MICRONS NOMINAL (1 MICRON ABSOLUTE)

OTHER CONTAMINANTS USING UNIQUE MEDIA DESIGNS

**HV Systems** are easy to use and require very little maintenance. An easy to read flow chart is provided on the electrical panel and is superimposed over all switches, buttons and indicating/warning lights.

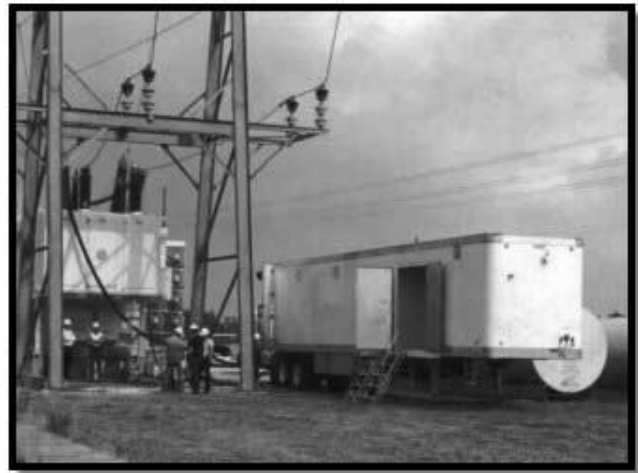
**HV Systems** can be used as stationary units or manufactured within a variety of trailer configurations to be completely portable and self-contained.

Providing industry-wide solutions since 1962, Gulfgate Equipment, Inc. has the proven expertise to design an **HV Oil Purification System** to meet your specific needs.



HV-1200-CW-64-B/S

20 GPM



HV-2400-CB-W-128-A/B/M/T

40 GPM



HV-2400-CB-W-128A-1288-A/B/M/T

40 GPM

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## FEATURES & BENEFITS:

- SYSTEMS DESIGNED AND MANUFACTURED TO MEET YOUR SPECIFIC NEEDS
- PROVEN RELIABILITY BACKED BY MORE THAN 40 YEARS OF DESIGN EXPERIENCE
- STREAMLINED, SAFE, QUIET & DEPENDABLE OPERATION
- REMOVES IMPURITIES WITHOUT DAMAGE TO COSTLY ADDITIVES
- REMOVES FREE & EMULSIFIED (TOTAL) WATER TO LESS THAN 10 PPM, FREE & DISSOLVED AIR AND GASES TO 0.25% OF TOTAL GAS CONTENT, VARNISHES, PAINTS, ACIDS, RESINS AND OXIDIZED AGENTS USING UNIQUE MEDIA
- PARTICULATE REMOVAL TO ½ MICRON NOMINAL (1 MICRON ABSOLUTE)
- FULLERS EARTH, ACTIVATED CARBON AND ACTIVATED ALUMINA FILTER SYSTEMS AVAILABLE
- FULLY PRE-PIPED, PRE-WIRED, FACTORY TESTED AND SHIPPED FOR IMMEDIATE INSTALLATION
- CONTROLS DESIGNED FOR MANUAL OR FULLY AUTOMATIC OPERATION
- CAPABLE OF FULL INTEGRATION INTO MONITORING & CONTROL SYSTEMS USING PLC OPTIONS
- ELECTRICAL COMPONENTS ENCLOSED IN NEMA 4 WEATHERPROOF HOUSING OR NEMA 7 EXPLOSION PROOF HOUSING
- MODULAR DESIGN FOR EASY MONITORING & MAINTENANCE
- AVAILABLE IN A WIDE RANGE OF OPTIONS & SKID CONFIGURATIONS

## SPECIFICATIONS

- SYSTEMS DESIGNED WITH COMPONENTS TO MEET YOUR PROCESSING NEEDS
- FLOW RATES FROM 30 GPH TO 3,000 GPH
- VACUUM PUMP CAPACITY TO 3,000 CFM
- MAXIMUM PRESSURE (BLANK OFF) TO 0.01 MM HG (10 MICRON)
- TYPICAL OPERATING VACUUM PRESSURE RANGE DURING OIL PURIFICATION FROM 0.5 MM HG TO 5 MM HG
- FULL RANGE OF HEATER CAPACITIES AVAILABLE INCLUDING PRE AND POST HEATERS
- AVAILABLE IN A VARIETY OF VOLTAGES TO MEET YOUR SPECIFIC OPERATING NEEDS



HV-2400 Electrical Panel with Graphics Packages, 40 GPM



HV-1200-CB-W-128-A/B/T  
20 GPM