

CANAL DEVELOPMENT COMPANY



FILTRATION

SEPARATION

PROCESSES



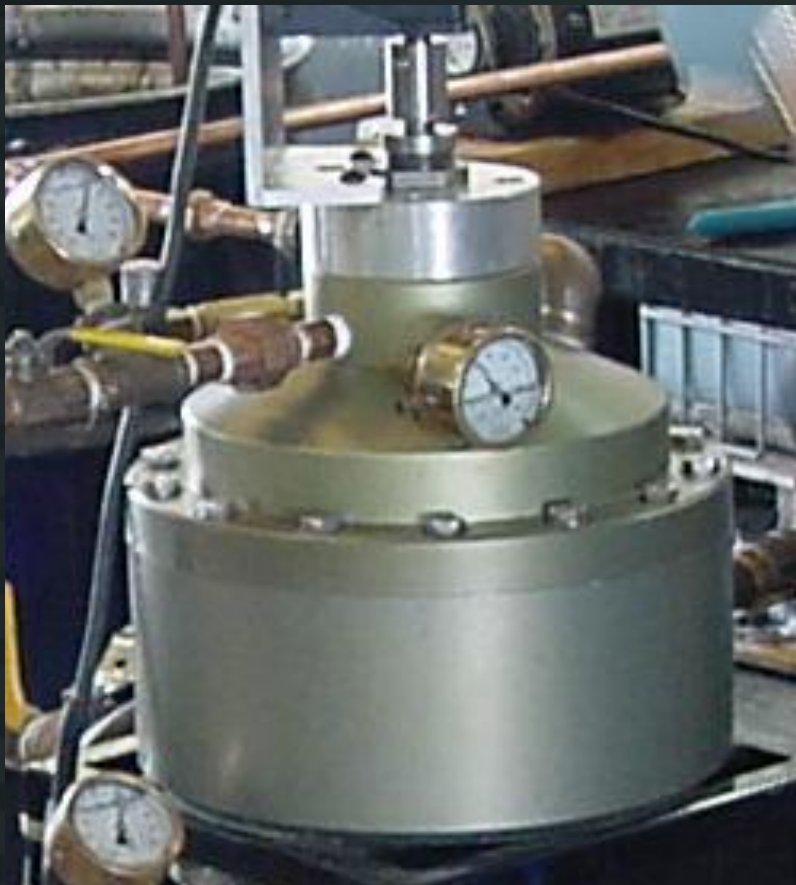
FILTRATION



OWTS FILTRATION SYSTEM



POSIDEN FILTRATION SYSTEM



PHOENIX
FILTRATION
SYSTEM

IDENTIFIED FILTRATION APPLICATIONS



- CRUDE OIL DESULPHURIZATION
- ANIMAL WASTE TREATMENT
- WATER DESALINATION SYSTEMS
- MUNICIPAL WASTE WATER TREATMENT
- DRINKING WATER TREATMENT
- INDUSTRIAL WASTE WATER STREAMS
- WASTE OIL RECYCLING
- PAPER MILL RECLAMATION AND RE-USE
- DIESEL DECARBONIZING AND DE-WATERING
- METAL CUTTING & COOLANT OPERATIONS
- SMOKE / PARTICULATE MATTER SCRUBBER STREAMS
- WINE FILTRATION
- BEER FILTRATION
- OPTICAL COOLING LIQUID
- FISH FARMING PONDS AND LAGOONS
- DRY CLEANING MACHINES
- EFFLUENT WATER TREATMENT

TYPICAL APPLICATIONS



- INDUSTRIAL WASTE WATER RECLAMATION AND RE-USE
- FINES AND PRODUCT RECOVERY
- LIQUID PRODUCT PURIFICATION
- DRINKING WATER FILTRATION
- REFINERY AND CHEMICAL PLANTS
- INFLUENT WATER / SOLIDS REMOVAL WITHOUT CHEMICAL FLOCCULANTS
- COOLING TOWER TSS REMOVAL ON A CONTINUOUS BASIS
- EFFLUENT WATER TREATMENT
- OIL SEPARATION / EMULSION BREAKING
- BTEX ORGANIC REMOVAL
- REDUCTION OF WATER INPUT AND TREATMENT TIME
- MECHANICAL BIOLOGICAL TREATMENT
- SLUDGE OR BIOX VOLUME REDUCTION
- SLOP OIL TREATMENT
- MUNICIPAL WASTE CLEANING
- AGRICULTURAL ANIMAL WASTE STREAM TREATMENT
- EFFLUENT BOD, COD AND AMMONIA TREATMENT
- AERATION OF FISH PONDS AND LAGOONS



- PETROLEUM AND OIL FIELD
- EMULSION TREATMENT
- API SEPERATOR REPLACEMENT
- AMINE RECLAMATION
- GLYCOL SEPERATION
- CATALYST RECAMATION
- GAS DEHYDRATION
- INLINE DE-SULFURIZATION
- COMPLETION FLUID CLEANING
- DRILLING FLUID CLEANING
- DUST REMOVAL SYSTEMS
- METALS PURIFICATION
- PRODUCT CLARIFICATION AND DECOLORIZATION
- HEAVY METALS REMOVAL
- FOOD CLARIFICATION AND SEPERATION
- MEDICAL AND PHARMACEUTICAL APPLICATIONS

THERE ARE NO FILTER ELEMENTS OR CARTIDGES WHICH
REQUIRE SCHEDULED CLEANING OR COSTLY DISPOSAL OR
REPLACEMENT

SULPHUR REDUCTION DEVICE (SRD) SEPERATION SYSTEM



VERTICAL 12" SRD UNIT



SRD VERTICAL 8" UNIT

SRD HORIZONTAL UNIT
(6" + 2" COMBINATION)



SULPHUR REDUCTION DEVICE SEPERATION APPLICATIONS



CRUDE OIL DESULFURIZATION

LIGHT, INTERMEDIATE & HEAVY CRUDE OIL MAY BE TREATED WITH AN SRD UNIT TO REDUCE SULPHUR, HEAVY METALS, SEDIMENT, SALT AND OTHER IMPURITIES WHICH EXIST IN THE CRUDE STREAM. THE PROCESS CAN BE USED TO TREAT THE ENTIRE STREAM OR IT CAN TREAT INDIVIDUAL ASPECTS WHICH EXIST IN THE STREAM. THE OPERATIONAL PROCESS, DEPENDING ON THE PROPERTIES OF THE CRUDE STREAM, MAY REQUIRE A FILTRATION OR WASHING PROCESS IN ORDER TO TREAT THE CRUDE OIL STREAM.



OIL AND WATER BASED DRILLING MUD

THE COMPANY HAS BEEN SUCCESSFUL IN TREATING OIL AND WATER BASED DRILLING MUD. THE PROCESS SEPARATES THE MUD, THE LIQUID, THE OIL AND THE CHEMICALS. THE PROPERTIES SEPARATED MAY BE RE-USED IN THE FUTURE OR CAN SEPARATELY BE DISPOSED OF ON AN INDIVIDUAL BASIS. THIS PROCESS ELIMINATES ANY ENVIRONMENTAL PROBLEMS WITH USE OF THE DRILLING MUD.



SOIL REMEDIATION

THE COMPANY CAN ENGINEER AND DESIGN PROCESSES USED TO CLEAN UP ENVIRONMENTAL HAZARDS SUCH AS CHEMICAL CONTAMINATION, HYDROCARBON CONTAMINATION OR HEAVY METAL CONTAMINATION. THIS PROCESS LETS YOU “WASH” AND RE-USE THE SOIL AFTER THE REMEDIATION THEREFORE, ALLEVIATING THE PURCHASE OF NEW DIRT. IN ADDITION, THIS PROCESS DOES NOT USE ANY CHEMICALS THEREFORE, YOU DO NOT HAVE TO DEAL WITH FUTURE CHEMICAL CONTAMINATION. THIS ALLEVIATES THE FUTURE POSSIBILITY OF ENVIRONMENTAL

LIABILITY AND THE COST ASSOCIATED THEREWITH. THE PROCESS CAN BE MOBILE OR STATIONARY WHICH ALLOWS THE UNITS TO WORK ONSITE WHICH SAVES CONSIDERABLE TRANSPORTATION COSTS DURING THE PROCESS.

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