

# KCA MODEL 20 CARBON ADR PLANT



**MODEL 20 CARBON ADSORPTION-DESORPTION-RECOVERY PLANT.  
90 US GPM (20 CU M/HR)  
FOR PROCESSING 300-600 TONNES OF GOLD/SILVER ORE PER DAY.**

**INCLUDES: PUMPS, DORE FURNACE  
AND ALL ACCESSORIES FOR  
PRODUCTION OF GOLD/SILVER BULLION.**

**A HISTORY OF PROVEN PERFORMANCE  
AT SITES THROUGHOUT THE WORLD.**

**OTHER STANDARD SIZES AVAILABLE TO FIT YOUR PROJECT NEEDS.**

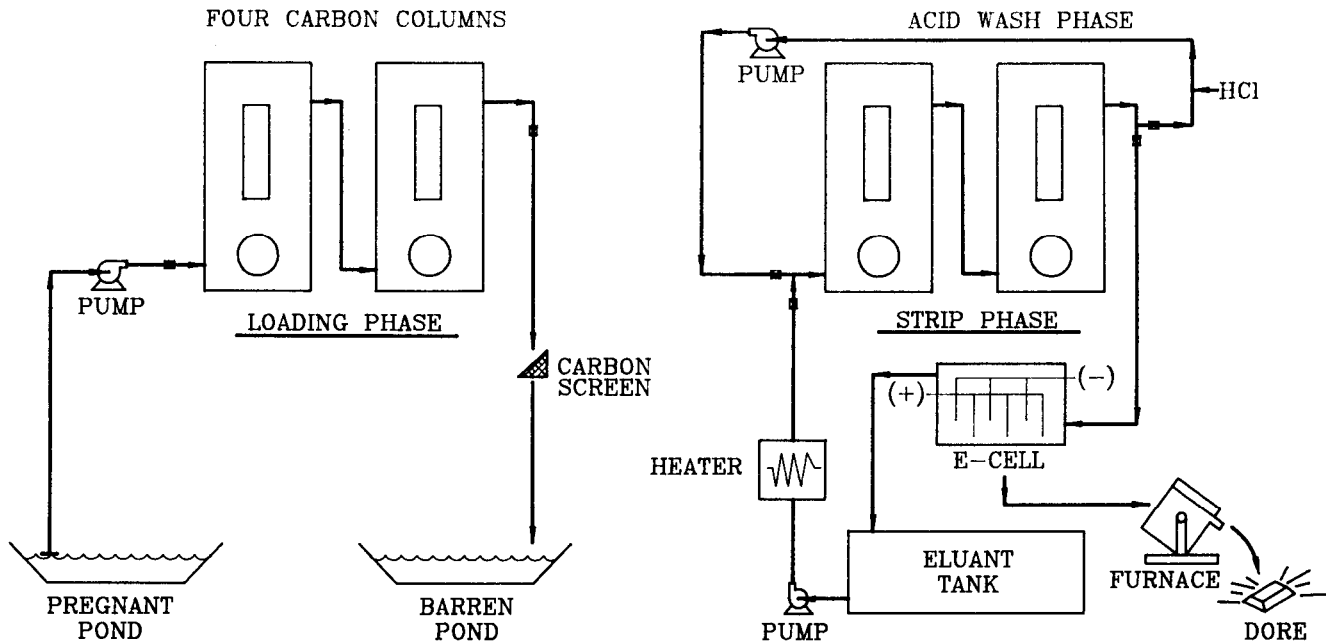
- **FULLY MODULAR  
FOR RAPID  
INSTALLATION AT  
REMOTE SITES.**
- **EASILY MOVABLE**
- **HIGH RESALE  
VALUE**



**DUAL MODULE VERSION FOR AIRLIFTING  
OR TRUCK TRANSPORT TO REMOTE SITES.**



**KCA Kappes, Cassiday & Associates**



## KCA MODEL 20 CARBON ADR PLANT

### BASIC CONFIGURATION:

ONE 48-FT SEMI-TRAILER, ONE 40-FT CONTAINER, OR TWO 20-FT CONTAINERS.  
 ONE STAND-ALONE TANK AND A SEPARATELY MOUNTED FURNACE  
 PREGNANT AND BARREN POND PUMPS AND FITTINGS

#### CONTAINERS/TRAILER

- FOUR ADSORPTION/STRIPPING COLUMNS (650 LBS. CARBON/COLUMN)
- KCA HIGH CAPACITY ELECTROLYTIC CELL
- CELL HOOD WITH EXHAUST FAN
- SINK AND COUNTER
- LIGHTS, VENTILATION
- STEEL MESH SECURITY ENTRANCE GATE

#### SEPARATE ITEMS

- 1500 GALLON INSULATED STRIP SOLUTION STORAGE TANK
- GAS, DIESEL OR ELECTRIC-POWERED SOLUTION HEATER (30 Kw)
- STRIP SOLUTION PUMP
- ACID MIX TANK
- ACID WASH PUMP
- CARBON SCREEN
- KCA #225 GAS OR DIESEL FIRED TILTING POT FURNACE
- POURING MOLDS AND FURNACE ACCESSORIES

### KEY FEATURES:

- HIGHEST TURNUP/TURNDOWN RATIO FOR SOLUTION PROCESS RATE.
- LOWEST CARBON ABRASION OF ANY CIC CIRCUIT.
- OPERATION IS FAILSAFE REGARDLESS OF OPERATOR ERROR.
- RAPID SHIPPING AND SETUP TIMES.
- DESIGNED FOR AIRLIFT OR SMALL TRUCK TRANSPORT.

### SPECIFICATIONS:

SOLUTION PROCESS RATE:

NOMINAL:

EFFICIENT OPERATING RANGE:

GOLD RECOVERY PER CYCLE:

CARBON STRIPPED PER CYCLE:

GOLD RECOVERED PER CYCLE:

MAXIMUM NUMBER OF STRIP CYCLES:

90 US GPM (20 CU M/HR)

50-110 US GPM

95%+ WHEN PROCESSING SOLUTION

ASSAYING 0.5 TO 3.0 PPM GOLD

1300 POUNDS

100 OUNCES (3 KG)

ONCE EACH 24 HOURS.

# *Kappes, Cassidy & Associates*