





**WARNING**  
DANGEROUS VOLTAGE EXPOSED  
IF ACCESS PANELS ARE OPENED



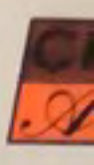




C19

# CHA Industries

LN<sub>2</sub> CONTROL



FILL

POWER

AUTO  
OFF  
MANUAL



# CHA Industries

AUTO-TECH II



MANUAL  
OFF  
ROUGHING  
AUTOMATIC  
STANDBY  
HI-VAC  
VENT



MAX TEMPERATURE  
TO VENT  
150°C

AUTO-CONTROL  
VENT  
STAND BY  
START  
CYCLE  
RAISE  
STOP  
LOWER  
HOIST

MANUAL CONTR  
OPEN  
ROUGH  
FORE  
CLOSE  
HI-VAC  
VENT



MECHANICAL  
PUMP

DIFFUSION  
PUMP

HOIST

OFF OFF OFF



RAISE  
LOW





START

0-100 A  
0-50 V

VACUUM

WATER

POWER

0-250 A  
0-20 V

CONTROL

0-500 A  
0-10 V

AUTO

MANUAL

CHA Industries



CHAMBER

FORELINE

TURBO

POWER



CAL

ENGLISH



SHUTTER

ROTATION

AUTO

CLOSED

OPEN

AUTO

OFF

MANUAL

MOTOR CONTROL

LO

HI

OFF

BRAKE

FWD

REV

SLOW

FAST

OMEGA

ACTIVE

CHA Industries

START

0-100 A  
0-50 V

0-250 A  
0-20 V

0-500 A  
0-10 V

CHA Industries



DEPOSITION  
CURRENT

VOLTAGE



VACUUM

WATER

POWER



AUTO



MANUAL

CHA Industries  
FIXTURE CONTROL



SHUTTER

ROTATION



AUTO  
CLOSED  
OPEN



AUTO  
OFF  
MANUAL



MOTOR CONTROL

OFF LO HI  
BRAKE REV  
FWD SLOW





