



CHESS CONTROLS

Valve Actuator Application Document

COMPANY: _____ DATE: _____
 LOCATION: _____ CLOSING DATE: _____
 CONTACT: _____ REQUIRED DELIVERY TO SITE: _____
 PHONE / FAX: _____ / _____

LINE SERVICE: SAME AS SHEET NO. _____
MEDIA: LIQUID, GAS OR SLURRY SPECIFY; _____
TEMPERATURE: MINIMUM _____, NORMAL _____, MAXIMUM _____ (° F OR ° C)
PRESSURE: MINIMUM _____, NORMAL _____, MAXIMUM _____ PSIG
ATMOSPHERIC CONDITIONS; NORMAL OR CONTAMINATED SPECIFY; _____
ATMOSPHERIC TEMPERATURE; MINIMUM _____ MAXIMUM _____ (° F OR ° C)

APPLICATION:
INTENDED APPLICATION: ON/OFF THROTTLING OR EMERGENCY SHUTDOWN
NORMAL VALVE POSITION: OPEN OR CLOSED LOCATION; PUMP OUTLET OR _____
NO OF CYCLES; _____ **PER:** DAY, WEEK, MONTH OR YEAR

VALVE: QTY: _____ SIZE: _____ FIG. NO. OR DESCRIPTION & MATERIAL: _____
TYPE; BALL, BUTTERFLY, GATE, KNIFE GATE, GLOBE, OTHER: _____
PORT; FULL, REDUCED END CONNECTION; NPT, S.W, FLGD, WAFER, LUG, _____

ACTUATOR:
PREFERRED BRAND: YES SPECIFY; _____ OR NO
POWER SOURCE: ELECTRIC 120VAC _____ VDC OR SPECIFY; _____
 PNEUMATIC OR GAS SPECIFY; _____
OPERATION: DOUBLE-ACTING OR SPRING-RETURN ; TO OPEN OR CLOSED ON POWER LOSS
VOLTAGE OR MINIMUM AIR SUPPLY: _____ VAC, VDC 3 PHASE OR PSIG,
ELECTRICAL ENCLOSURES: NEMA-4 (WEATHER-PROOF) NEMA-7 (EXPLOSION-PROOF) OR
 OTHER; _____
MANUAL OVERRIDE: YES OR NO, SPECIFY; LEVER HANDWHEEL OR AIR ASSISTED

OPTIONS:
 SOLENOID: SPECIFY; NEMA-4 OR NEMA-7, VOLTAGE: _____ VAC OR VDC,
 SINGLE OR GROUP MOUNTED.
 MONITOR: SPECIFY; NEMA-4 (WEATHER-PROOF) OR NEMA-7 (EXPLOSION-PROOF)
 SPECIFY; FEEDBACK SIGNAL; MECH SWITCHES SPECIFY; HOW MANY _____,
 ANALOGUE(4-20 MADC) OR OTHER; SPECIFY _____
 SPEED CONTROLS: SPECIFY CONTROLLED; OPENING, CLOSING OR BOTH
 AIR SETS: SPECIFY; FILTER, REGULATOR, LUBRICATOR



POSITIONER: INPUT SIGNAL; 3-15 PSI OR 4-20 MADC,
 FEEDBACK SIGNAL REQUIRED; YES OR NO SPECIFY; MECH SWITCHES,
 ANALOGUE (4-20 MADC)

IMPORTANT: FOR ANY EQUIPMENT REQUIRING NEMA-7 ENCLOSURES
 SPECIFY; CLASS _____, DIV _____, GROUP _____ RATING _____

AIR PIPING: STAINLESS STEEL, BRASS OR PLASTIC SPECIFY GRADE; _____
 AIR FITTINGS STAINLESS STEEL, BRASS OR PLASTIC SPECIFY GRADE; _____

Special requirements, additional application details

Date required: _____

Quantity required: _____

Submit request to sales@chesscontrols.com



**MEASUREMENT
INSTRUMENTATION**



**PLANT
AUTOMATION**



**POWER AND
DRIVES**



**VALVES AND
ACTUATION**



**PACKAGED
TECHNOLOGIES**

LEVEL
 FLOW
 PRESSURE
 CONDUCTIVITY
 ANALYZERS
 POSITIONERS
 AIR QUALITY / FLOW
 DUST MONITORING
 TEMPERATURE SENSORS
 TEMPERATURE CONTROLLER
 INDICATORS
 PROCESS CALIBRATOR
 POSITIONERS
 SIGNAL CONDITIONER
 INSTRUMENT ENCLOSURE
 HEATED TUBE BUNDLE

PLC
 HMI / INDUSTRIAL PC / RTU
 COMMUNICATION BUS
 ETHERNET SWITCH / ROUTER
 REMOTE I/O
 SAFETY MODULES
 SENSORS
 SIGNAL CONDITIONERS
 HMI / SCADA SOFTWARE
 ENCODERS
 DATA RACKS / CONSOLES
 PUSHBUTTON / PILOT LIGHTS
 TERMINAL BLOCKS
 POWER SUPPLIES
 METERS / TRANSDUCERS

PROTECTION RELAYS
 ONLINE DGA
 VFD / SOFTSTARTER
 TRANSFORMER
 HV SWITCH / SWITCHGEAR
 HV BUSHING / ARRESTER
 CAPACITORS / REACTORS
 E-HOUSE / INTEGRATED POWER
 MV / LV SWITCHGEAR
 MCC / SWITCHBOARD
 UPS / CHARGER / BATTERIES
 RTU / GATEWAYS / GPS CLOCK
 INSTRUMENT TRANSFORMERS
 VOLTAGE TRANSFORMERS
 TVSS / SURGE PROTECTION
 MOTOR
 TEST EQUIPMENT

SOLENOID VALVE
 BALL VALVE
 BUTTERFLY VALVE
 PINCH VALVE
 GLOVE VALVE
 SLURRY VALVE
 CHECK VALVE
 KNIFE GATE
 CONTROL VALVE
 VALVE POSITIONERS
 ELECTRIC ACTUATOR
 AIR REGULATOR
 PRESSURE REGULATOR
 PRESSURE GAUGE
 PRESSURE SWITCH
 PRESSURE TRANSMITTER

SUBSTATION
 E-HOUSE
 IT ROOM
 INTEGRATED POWER SOLUTION
 PORTABLE SUBSTATION
 TRUCK SCALES
 RAIL SCALES
 BIN LEVEL
 CONVEYOR AUTOMATION
 VFD ASSEMBLIES
 VALVE ASSEMBLIES

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