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# COX

Research and Technology, Inc.

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DELTA DOWNS  
WATER TREATMENT PLANT  
CHEMICAL  
CONTROL PANEL  
POLYPHOSPHATE MIXER

Cox Research and Technology, Inc.  
14697 S. Harrells Ferry Road  
Baton Rouge, LA. 70816  
(225) 756-3271 Fax (225) 755-1030

VOLTAGE	120 V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	1	
HP	1/3	
FLA	7.2A	
TYPE OF PUMP		(Self-Priming, Submersible)
MANUFACTURER		
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Fiberglass	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Remote	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

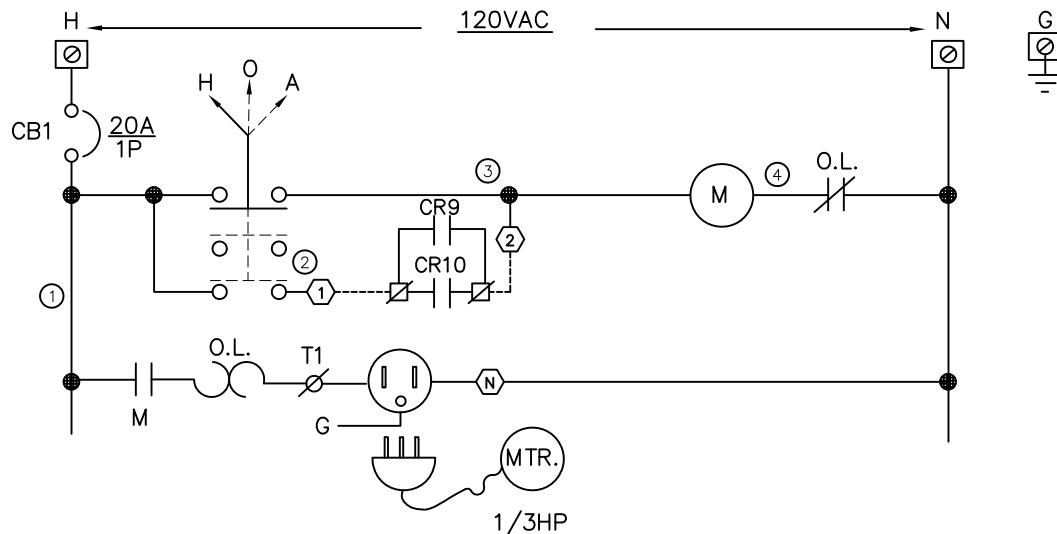
## OPTIONS:

SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN		(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT		
LIGHT PANEL MTD		
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER		
ELAPSED TIME METER		
PHASE MONITOR		
NEMA RATED STARTERS		
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

SOLD TO: Delta Downs Water Treatment Plant  
TAG : Chemical Control Panel Polyphosphate Mixer

SHIP TO: \_\_\_\_\_  
\_\_\_\_\_

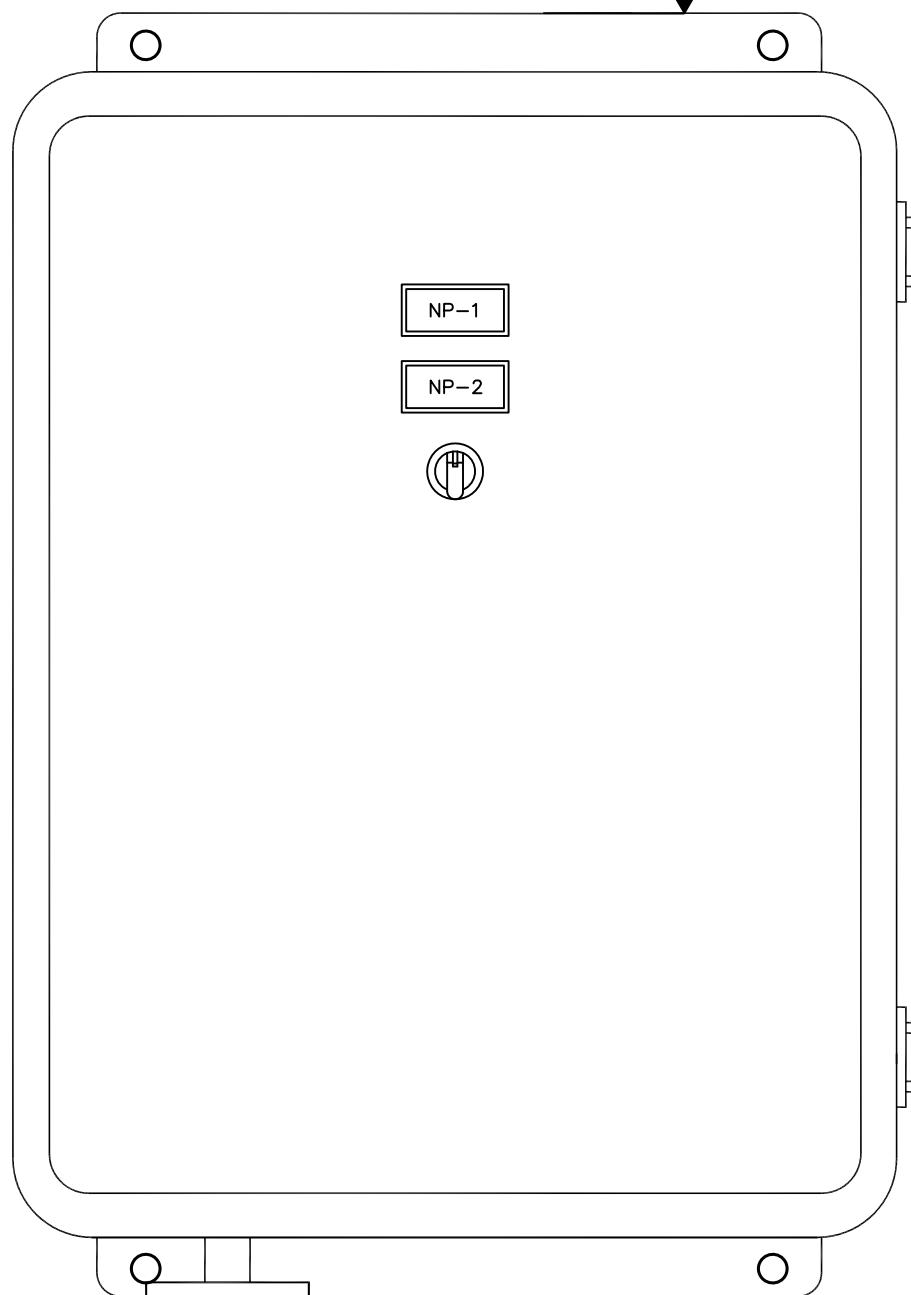
	Drawing Title  <b>PANEL DESCRIPTION</b>  9/02/04 8/31/04						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE
	Project Title  <b>CHEMICAL CONTROL PANEL</b>  <b>POLYPHOSPHATE MIXER</b>	<hr/> <hr/> <b>COX</b> Research and Technology, Inc. <hr/> <hr/>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER  DRAWING NUMBER	
					Ph. (225)756-3271 Fax (225)756-1030	CP-1890  SHEET NUMBER	
						1	



CHEMICAL CONTROL PANEL  
POLYPHOSPHATE MIXER

	Drawing Title  CONTROL DIAGRAM				
DATE 9/02/04	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE
	Project Title  CHEMICAL CONTROL PANEL POLYPHOSPHATE MIXER	<hr/> <hr/> <b>COX</b> <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/>	P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1890  SHEET NUMBER 2	

NEMA 4X FIBERGLASS ENCLOSURE



VIEW OF FRONT OF ENCLOSURE

NAMEPLATE SCHEDULE

NP-1 POLYPHOSPHATE MIXER  
NP-2 HOA

**NOTE:**  
SEWER GASES WILL DESTROY COMPONENTS IN PANEL.  
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE  
PANEL TO PREVENT ENTRY OF GASES.

	Drawing Title						
	ENCLOSURE						
DATE 9/02/04	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE
	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED	
				BY C. RACHAL		BY	DATE
Project Title	CHEMICAL CONTROL PANEL POLYPHOSPHATE MIXER		<hr/> <b>COX</b> <hr/> Research and Technology, Inc. <hr/>		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
					Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1890	
						SHEET NUMBER 3	

# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	VYNCKIER	VJ1412HWPL	ENCLOSURE
1a	1	VYNCKIER	MP1412A	BACKPLATE
2	2	MARATHON	1321580	DISTRIBUTION BLOCK
3	1	SQUARE D	QUU120	CB1
4	1	ABB	A16NO-30-10-84	MOTOR STARTER
5	1	ABB	TA25DU8.5	O.L. (6.0-8.5A)
6	1	A-B	800H-JR2A	HOA
7	1	STOCK		GFI RECEPTACLE
*	8	SIEMENS	40CP32AF	MOTOR STARTER
*	9	SIEMENS	48ASD3M10	O.L. (2.5-10A)
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11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

\* ALTERNATE MATERIALS

	Drawing Title							
	<b>BILL OF MATERIALS</b>							
DATE 9/02/04	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE BY	
	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED		
			C.C.	R.C.	BY C. RACHAL	BY	DATE	
	Project Title		COX		P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER		
	CHEMICAL CONTROL PANEL		Research and Technology, Inc.			DRAWING NUMBER		
	POLYPHOSPHATE MIXER		_____ _____ _____ _____			CP-1890		
						SHEET NUMBER		
						4		