
COX

Research and Technology, Inc.

SIMPLEX PUMP CONTROL PANEL

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

CP-1918

VOLTAGE	<u>277/480V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>1</u>	
HP	<u>7.5</u>	
FLA	<u>11</u>	
TYPE OF PUMP	<u>Submersible</u>	(Self-Priming, Submersible)
MANUFACTURER	<u>BARNES</u>	
CATALOG NUMBER	<u>4SE7546L</u>	
CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 4X</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>Fiberglass</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<u>Floats</u>	(Floats, Bubbler, Other)
CAPACITORS	<u>No</u>	(Yes, No)
CAPACITOR WIRING FIGURE	<u>N/A</u>	
THERM. & SEAL FAIL WIRING FIGURE		

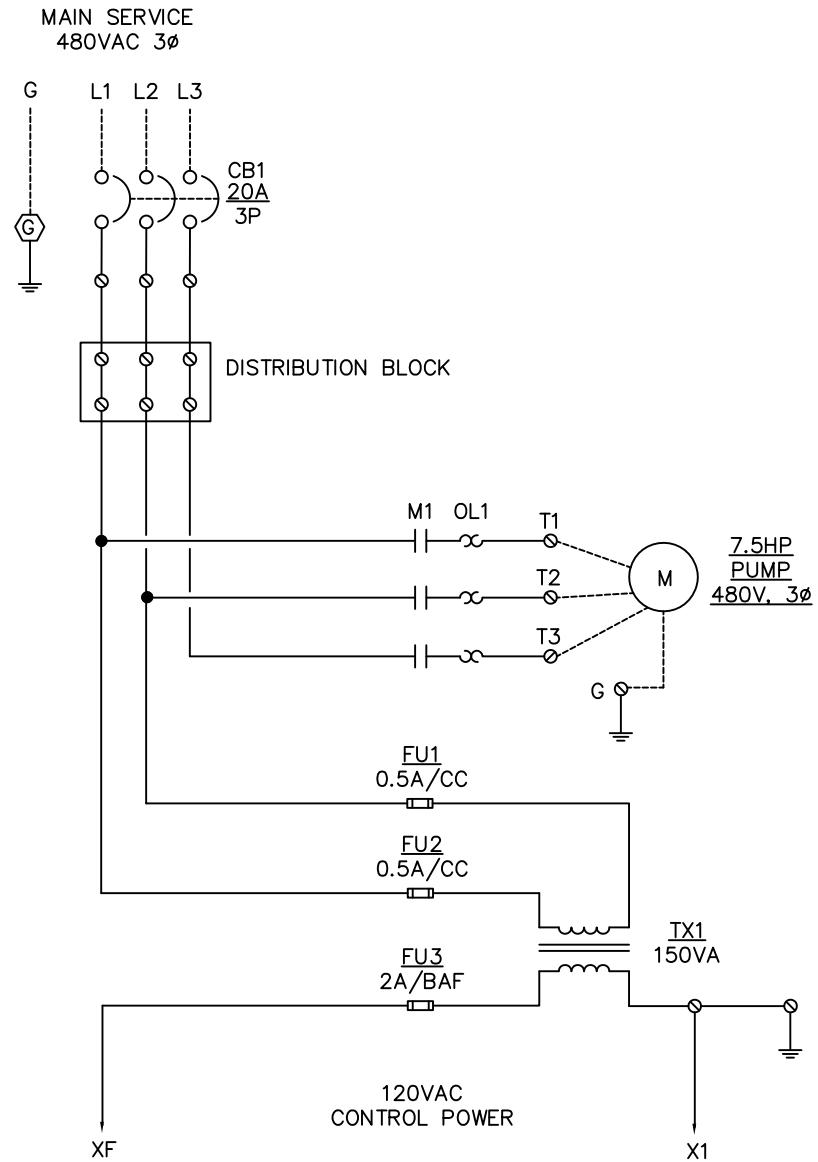
OPTIONS:

SEAL FAIL LIGHTS	<u>X</u>	(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	<u>X</u>	(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		

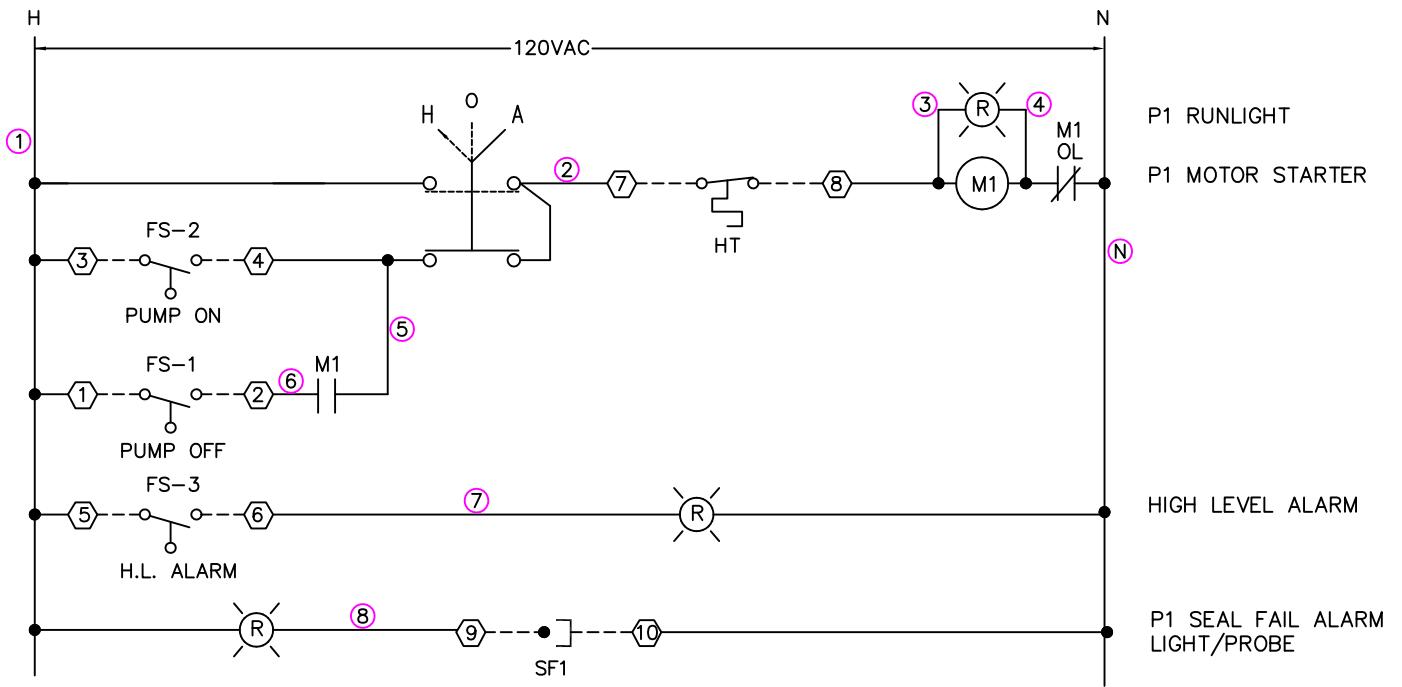
SOLD TO: Delta Process
TAG :

SHIP TO: Delta Process

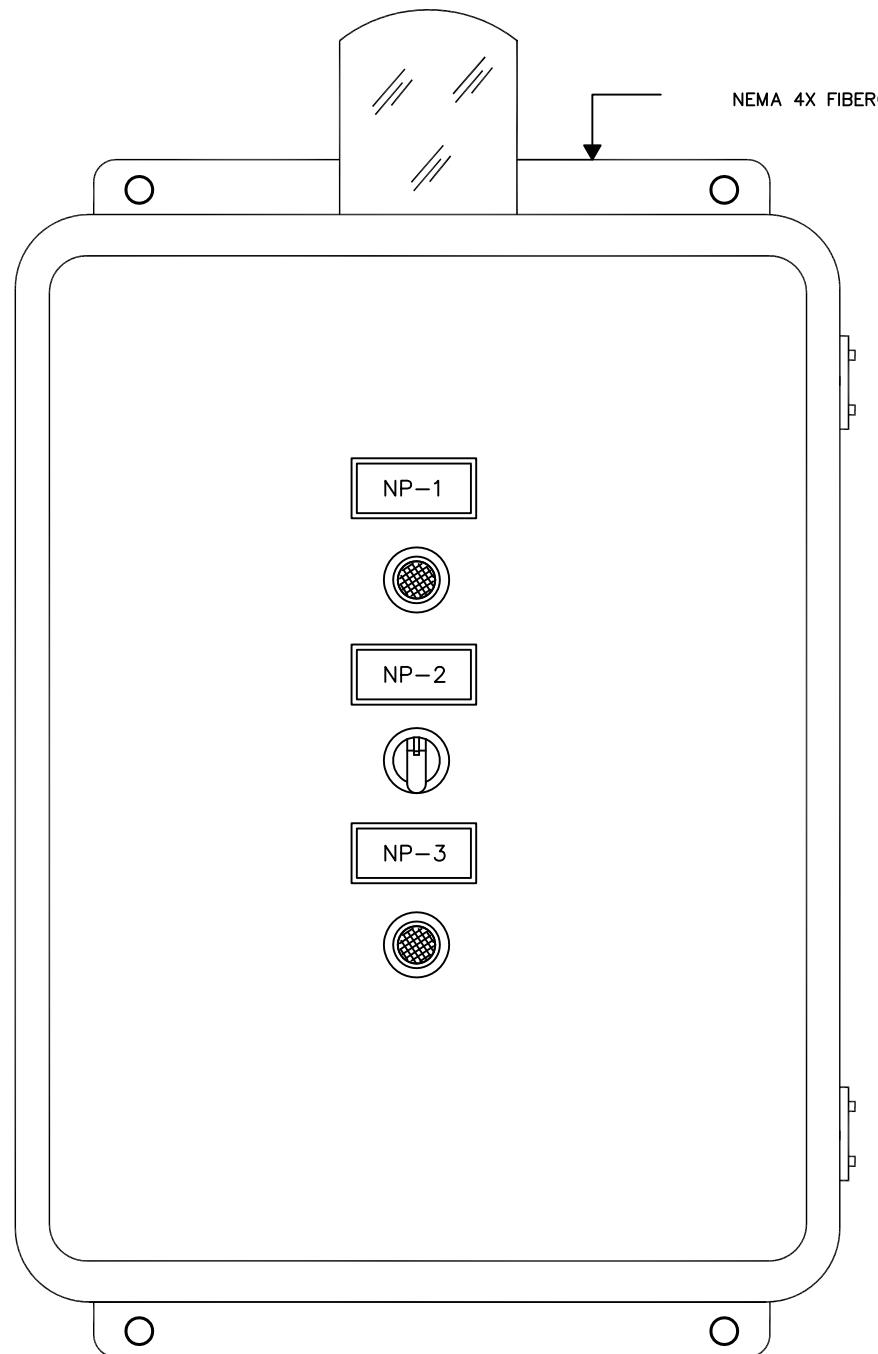
	Drawing Title PANEL DESCRIPTION					
DATE 7/6/09	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN R.C. BY C. RACHAL	ECN	DATE	BY
	Project Title SIMPLEX PUMP CONTROL PANEL	<u>COX</u> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1918 SHEET NUMBER 1		



	Drawing Title					
	POWER DIAGRAM					
DATE 7/6/09	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE	BY
	Sales Engineer	Application Engineer R.C.			APPROVED	
	Project Title		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
	SIMPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.		DRAWING NUMBER CP-1918		
				SHEET NUMBER 2		



	Drawing Title								
	CONTROL DIAGRAM								
DATE 7/6/09		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN	APPROVED		BY	DATE
	Project Title		<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
	SIMPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1918		
							SHEET NUMBER 3		



VIEW OF FRONT OF ENCLOSURE

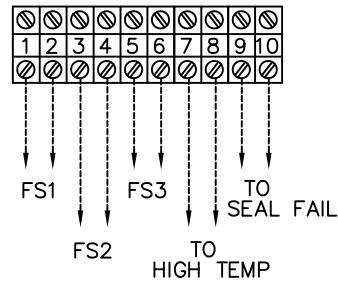
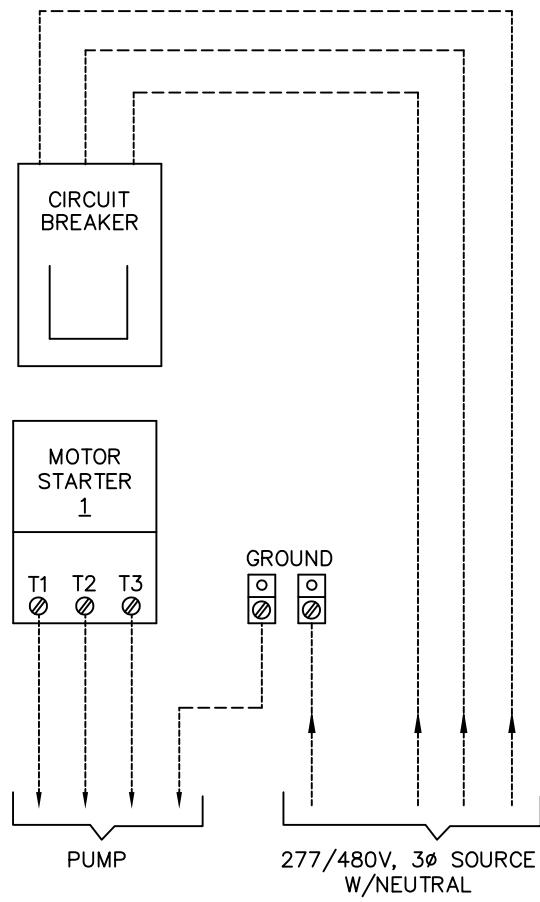
NAMEPLATE SCHEDULE

NOTE:

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

NP-1	PUMP RUN
NP-2	HOA
NP-3	SEAL FAIL

	Drawing Title					
	ENCLOSURE					
DATE 7/6/09	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE	BY
	Sales Engineer	Application Engineer R.C.			APPROVED	
	Project Title SIMPLEX PUMP CONTROL PANEL	<u>COX</u> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1918 SHEET NUMBER 4		



FS1 – FLOAT SWITCH 1
 PUMP OFF
 FS2 – FLOAT SWITCH 2
 PUMP ON
 FS3 – FLOAT SWITCH 3
 HIGH LEVEL ALARM

	Drawing Title							
	EXTERNAL CONNECTIONS							
					REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN
DATE 7/6/09					S/N	Sales Engineer	DRAWN	DATE APPROVED
					C.C.	Application Engineer	BY C. RACHAL	BY DATE
	Project Title	COX Research and Technology, Inc. <hr/>				P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
	SIMPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1918	SHEET NUMBER	
							5	

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1614HPL	ENCLOSURE
1a	1	STAHLIN	BP1614HPL	BACKPLATE
2	1	ABB	A16-30-10-84	MOTOR STARTER
3	1	ABB	TA25DU14	O.L. RELAY (10-14A)
4	1	ABB	T1NO20TL	CB1
5	2	ABB	CL100R	RED PILOT LIGHT
6	1	ABB	C3SS110B-20	HOA SWITCH
7	1	ABB	T4150PSF1	TRANSFORMER
8	1	MARATHON	1323580	DISTRIBUTION BLOCK
9	1	CDI	R40-XLS	ALARM LIGHT
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	Drawing Title							
	BILL OF MATERIALS							
			REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
DATE 7/6/09				C.C.	R.C.	BY C.RACHAL	BY	DATE
	Project Title		COX		PURCHASE ORDER NUMBER DRAWING NUMBER CP-1918 SHEET NUMBER 6			
	SIMPLEX PUMP CONTROL PANEL		Research and Technology, Inc.					