

# RFQ and Purchase Order Specification Work Sheets

Section: R406.019  
Date: 6/1/2020  
Supersedes: 8/1/2013  
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## 20 Probe Electrolev Column

ELECTROLEV FURNISHED WITH 30-INCH, HIGH-TEMPERATURE LEADS CONNECTED TO EACH ELECTRODE FITTING  
USE 18 A.W.G. TEFLON INSULATED WIRE  
EL-450 & EL-1000 USE TYPE E  
MIL-V-168780  
EL-1800 USE MIL-V-25038

ITEM	PART NO.	QTY.	DESCRIPTION	MATERIAL	DWG. NO.
1	EL-1P	1	BODY, SEAMLESS STEEL PIPE	ASTM A106	
2	ELF-2	1	ELECTRODE FITTING HOUSING	SHEET STL	B-9124
3		2	SCREW, R. H. MACH. 10-24 X 3/8	BRASS	
4		20	ELECTRODE FITTING ASSEMBLY		
5		20	GASKET		
6		1	SCREW, R. H. MACH. 10-24 X 1/2	BRASS	
7		2	NUT, HEX 10-24	BRASS	

	ELECTRODE NO.	SPACING TO BE SPECIFIED BY CUSTOMER TO SUIT REQUIREMENTS	ELECTRODE NO.	SPACING TO BE SPECIFIED BY CUSTOMER TO SUIT REQUIREMENTS
A	10	20		
B	9	19		
C	8	18		
D	7	17		
E	6	16		
F	5	15		
G	4	14		
	3	13		
	2	12		
	1	11		

**NOTES:**  
1) FOR PRESSURES OVER 1800 P.S.I. SEE ELF 2000 ELECTROLEV ASSEMBLY PER DWG. NO. R-9120  
2) SHUTOFF VALVES SHOULD BE PLACED BETWEEN STEAM INLET AND ELECTROLEV  
3) MODEL NO.:  
(A) EL-450-10 W.S.P. 0-450 P.S.I. AT 450°F.  
\*1000 ELECTRODE ASSEMBLY  
\*1000-13 GASKET  
HYDROTEST @ 700 P.S.I.  
(B) EL-1000-10 W.S.P. 451-1000 P.S.I. AT 545°F.  
\*1000 ELECTRODE ASSEMBLY  
\*1010-10 GASKET  
HYDROTEST @ 1500 P.S.I.  
(C) EL-1800-10 W.S.P. 1001-1800 P.S.I. AT 821°F.  
\*1800 ELECTRODE ASSEMBLY  
\*1810-10 GASKET  
HYDROTEST @ 2700 P.S.I.  
4) CUSTOMER TO SPECIFY:  
(A) MODEL OF ELECTROLEV  
(B) TYPE OF S & W CONN.  
(C) STD. OR W/PROOF HOUSING  
5) MINIMUM SPACING BETWEEN PROBES IS 1"  
6) MINIMUM DISTANCE BETWEEN TOP PROBE AND STEAM CONN. IS 1"  
7) MINIMUM E DIMENSION IS 1"

THE CLARK-RELIANCE CORP.  
STRONGSVILLE, OHIO U.S.A.  
MODEL EL-450, EL-1000, & EL-1800  
20 PROBE ELECTROLEV ASSEMBLY  
SCALE: NONE DRAWN BY NO.  
CHECKED BY

Please complete all information fields in this worksheet and submit with your RFQ (Request For Quote) or Purchase Order. The use of these worksheets has proven to greatly decrease Engineering time and virtually eliminate specification errors.

# Reliance®

A PRODUCT OF CLARK-RELIANCE

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**Must accompany P.O with all fields  
completed**

Customer: \_\_\_\_\_ Contact Name: \_\_\_\_\_  
Project Name: \_\_\_\_\_ E-mail: \_\_\_\_\_  
Project Location: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
Date: \_\_\_\_\_ RFQ/P.O. Number: \_\_\_\_\_

### ELECTROLEV COLUMN REQUIRED INFORMATION

#### STEAM & WATER CONNS.

(1" MSW Pipe Projection is standard)

Steam & Water Connections (other than standard  
– specify size & type Req'd.):

Design Pressure: \_\_\_\_\_

Design Temperature: \_\_\_\_\_

Model No.: \_\_\_\_\_

Male Socket Weld  
(Pipe Projection): \_\_\_\_\_

Female Socket Weld: \_\_\_\_\_

Flange Size: \_\_\_\_\_

Flange Class: \_\_\_\_\_

Flange Face: \_\_\_\_\_

Other (please  
specify): \_\_\_\_\_

Model Number	Probe Model	Max. System WSP			Max. Temp.	
		PSIG	BarG	Kg/cm <sup>2</sup>	° F	° C
EL450-20	T020	450	31	31.6	456	236
EL1000-20	V020	1000	69	70.3	545	285
EL1800-20	ZG020	1800	124.1	126.5	621	327
ELF3000-20	FG031	3000	206.9	210.8	695	368
ESB3000-20	FSB030	3000	206.9	210.8	695	368

Brazed probe option: ZB Probe ☐ FB Probe ☐

#### DRAIN CONN.

(1/2" FSW is standard with Electrolev Column)

Drain Connection (other than standard – specify  
size & type Req'd.):

Female Socket Weld: \_\_\_\_\_

Male Socket Weld  
(Pipe Projection): \_\_\_\_\_

Flange Size: \_\_\_\_\_

Flange Class: \_\_\_\_\_

Flange Face: \_\_\_\_\_

Other (please specify): \_\_\_\_\_

#### OPTIONS REQUIRED

Vent connection (Specify  
size & type): \_\_\_\_\_

Integral junction box: NEMA 4 ☐ NEMA 4X ☐

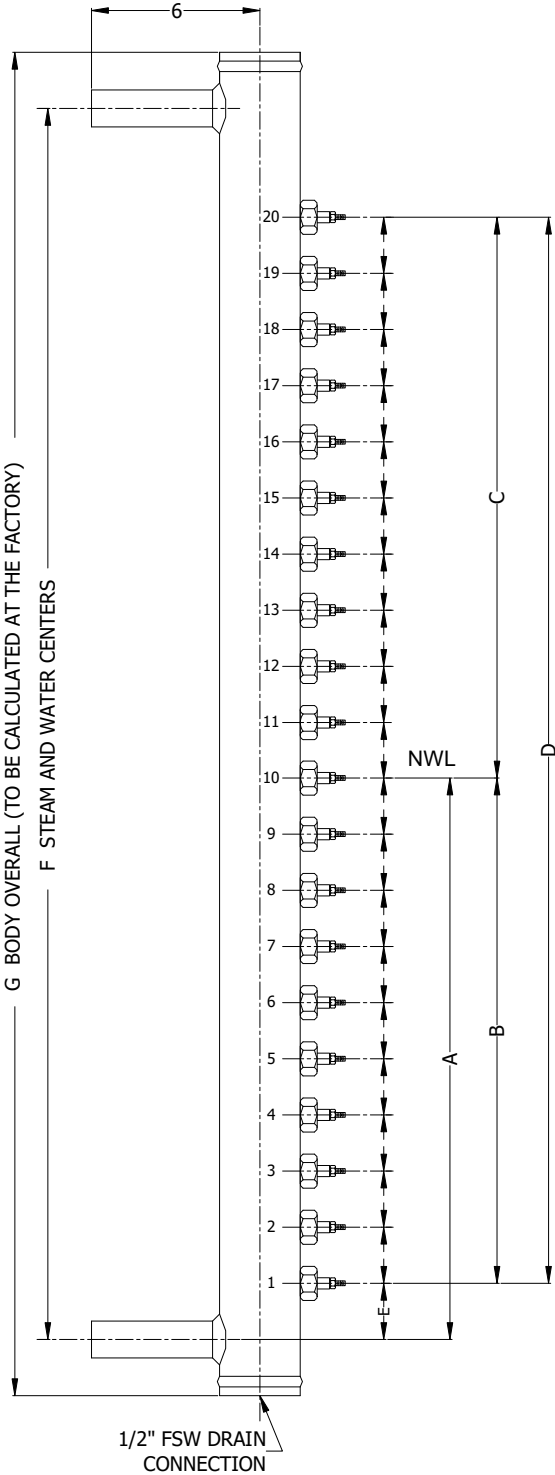
Additional probe wire  
(specify length required): \_\_\_\_\_

FlexPak Insulation  
Jacket: ☐

Other (please specify): \_\_\_\_\_

**REQUIRED DIMENSIONAL INFORMATION**

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A	
B	
C	
D	
E	
F	
G	----

PROBE DISTANCE FROM NWL			
10		20	
9		19	
8		18	
7		17	
6		16	
5		15	
4		14	
3		13	
2		12	
1		11	

- DIMENSIONAL NOTES:**
- 1) MINIMUM DISTANCE BETWEEN PROBES IS 1"
  - 2) MINIMUM "E" DIMENSION IS 1"
  - 3) MINIMUM DISTANCE BETWEEN TOP PROBE AND STEAM CONNECTION (UPPER CONNECTION) IS 1"

**Additional notes:**

Note: This illustration shows Probe #10 as NWL. However, this location could vary depending on the application. Please signify NWL as "0" in the applicable box

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