

RFQ and Purchase Order Specification Work Sheets

Section: R406.017
Date: 6/1/2020
Supersedes: 8/1/2013
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10 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 C
MIL-W-146780
EL-1800 USE MIL-W-25030

TYPICAL ARRANGEMENT

ITEM	PART NO.	QTY.	DESCRIPTION	MATERIAL	DWG. NO.
1	EL-1P	1	BODY, SEAMLESS STEEL PIPE	ASTM A106	
2	ELFV-2	1	ELECTRODE FITTING HOUSING	SHEET STL	B-9124
3					
4	T020	10	ELECTRODE FITTING ASSEMBLY		
5	WCM-13	10	GASKET		
6					
7					

NOTES:

- MODEL NO.
(A) EL450, W.S.P. 0-450 P.S.I. AT 456°F
 ■ T020 ELECTRODE FITTING
 ■ WCM-13 GASKET
 HYDROTEST AT 700 P.S.I.
(B) EL1000, W.S.P. 451-1000 P.S.I. AT 545°F
 ■ VEP ELECTRODE FITTING
 ■ E10-10 GASKET
 HYDROTEST AT 1500 P.S.I.
(C) EL1500, W.S.P. 1001-1500 P.S.I. AT 596°F
 ■ Z020 ELECTRODE FITTING
 ■ E20-10S GASKET
 HYDROTEST AT 2250 P.S.I.
- CUSTOMER TO SPECIFY:
(A) MODEL OF ELECTROLEV
(B) TYPE OF S & V CONNECTION
- SHUTOFF VALVES SHOULD BE PLACED BETWEEN STEAM DRUM AND ELECTROLEV

ELECTRODE NO.	DIMENSIONS IN INCHES
10	
9	
8	
7	
6	
5	
4	
3	
2	
1	

A	
B	
C	
D	
E	
F	
G	

DESIGN PRESSURE: 450 PSIG	THE CLARK-RELiance CORP. STRONGSVILLE, OHIO U.S.A.
DESIGN TEMP.: 456° F.	EL450-10
HYDROTEST PRESS. 700 PSIG	ELECTROLEV ASSEMBLY
MODEL NO.: EL450 -10	SCALE: AS SHOWN DATE: X
	DRAWN BY: NO. E-10
	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®

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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 ²	°F	°C
EL450-10	T020	450	31	31.6	456	236
EL1000-10	V020	1000	69	70.3	545	285
EL1800-10	ZG020	1800	124.1	126.5	621	327
ELF3000-10	FG031	3000	206.9	210.8	695	368
ESB3000-10	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 ☐

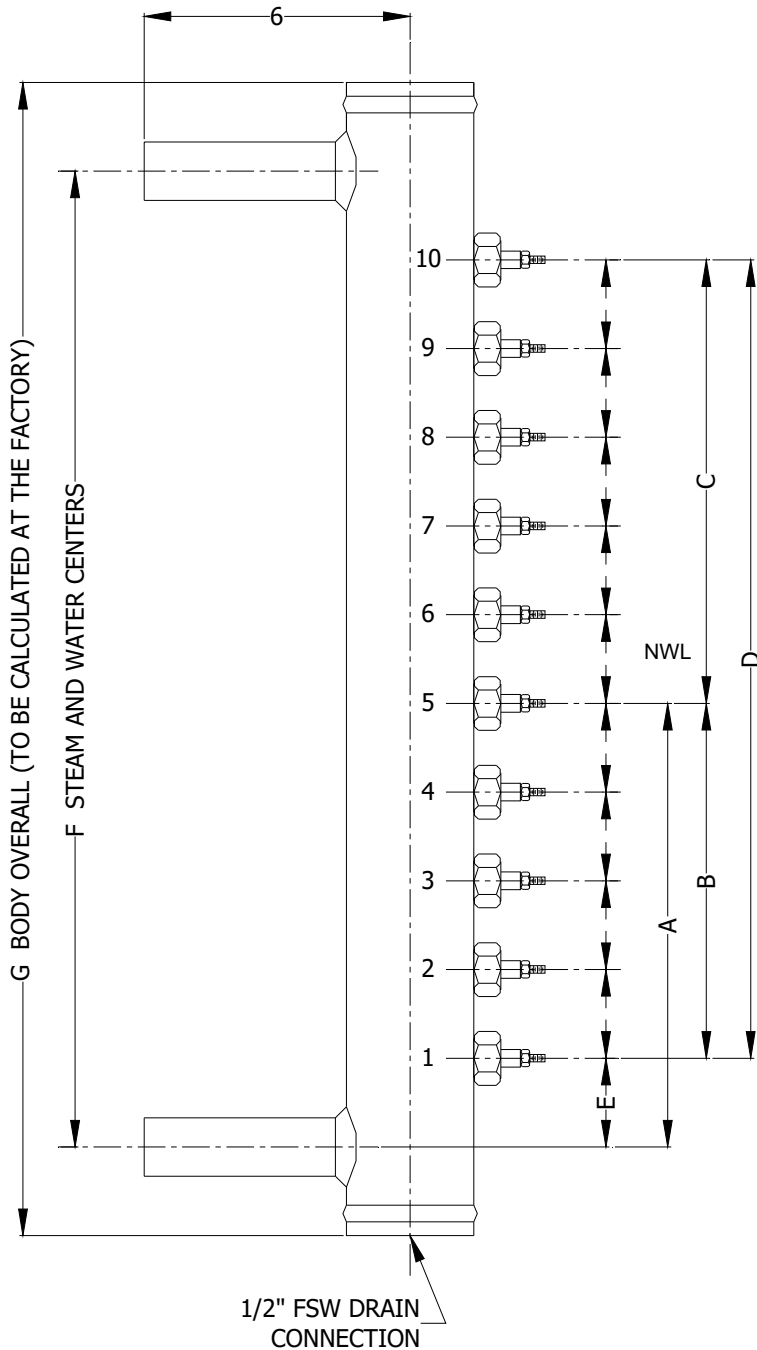
Additional probe wire
(specify length required):

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	
9	
8	
7	
6	
5	
4	
3	
2	
1	

DIMENSIONAL NOTES:

- 1) MINIMUM DISTANCE BETWEEN PROBES IS 1" (25.4mm)
- 2) MINIMUM "E" DIMENSION IS 1" (25.4mm)
- 3) MINIMUM DISTANCE BETWEEN TOP PROBE AND STEAM CONNECTION (UPPER CONNECTION) IS 1" (25.4mm)

Additional notes:

Note: This illustration shows Probe #5 as NWL. However, this location could vary depending on the application. Please signify NWL as "0" in the applicable box