

FLP - HS 1

FLAME PROOF PORTABLE HOT AIR SEALING SYSTEM



Technical Data

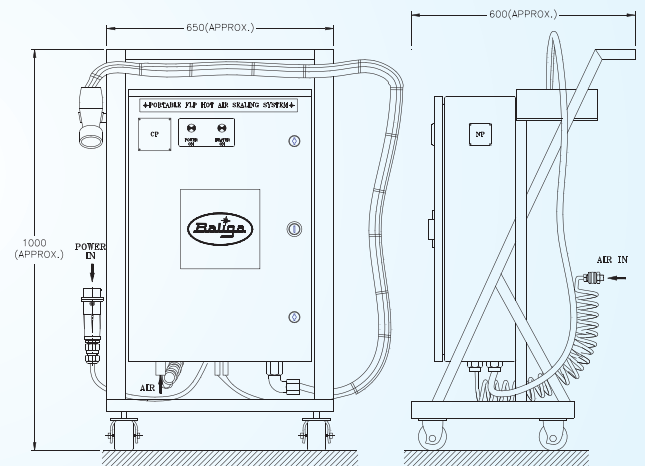
Control Voltage*	: 230 V 50 Hz, Single Phase regulated $\pm 5\%$
Max. System Current*	: 10 Amps.
Heater Specifications	: 1.4 KW, 230 V, 50 Hz
Power Cable Size*	: 3C x 2.5 mm ² EPR/CSP insulated copper cable
Max. Temperature	: 216° C
Control Signal	: Pneumatic & Electrical.
Compressed Air*	: Instrument grade filtered (to 40 μ) dry, non lubricated air regulated to 5 bar pressure @ 250 litres per minute.
Operating Pressure	: 5 bar for Pneumatic System 2 bar for Hot air chamber.
Control Pneumatic Tubing	: 3 mm, 4 mm & 6 mm
Control Elements	: Pneumatic trigger, P to E converter &
Thermostat Indications:	Power ON - RED Heater ON - GREEN

* Indicates minimum parameters of site condition to be provided by the user.

Description

The FLP portable Hot air sealing system consists of FLP Electrical Control unit, FLP Hot Air Chamber, Pneumatic Accessories, Insulated Teflon Hose, Sealing Gun and FLP Plug & Socket, all mounted on a aesthetically designed trolley. The unit is designed to IS: 12063/87 (IEC:60529/89) to suit group II A / II B gases for use in Zone I hazardous area. The system is electro pneumatic, which provides a high degree of safety as required in hazardous area like LPG bottling plant. The initial warm up time is approximately 8-10 minutes after which sealing can be started. The FLP electrical control unit, hot air chamber and pneumatic components are housed in a fabricated sheet steel panel and mounted in a trolley, which makes system portable to move to any desired location easily. A flame proof plug is provided at the end of electrical cable so that the system can be connected to the matching FLP socket installed in the plant.

GA Drawing

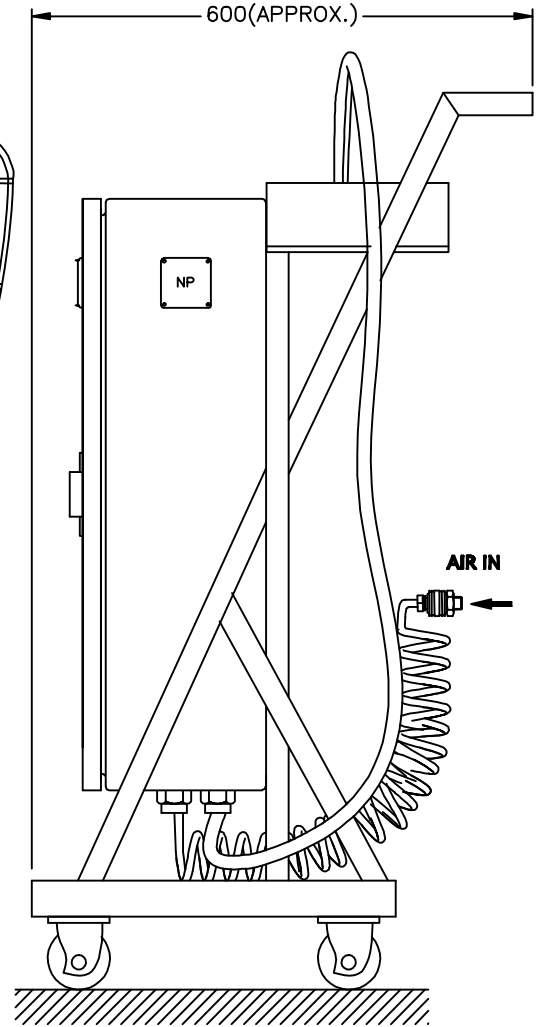
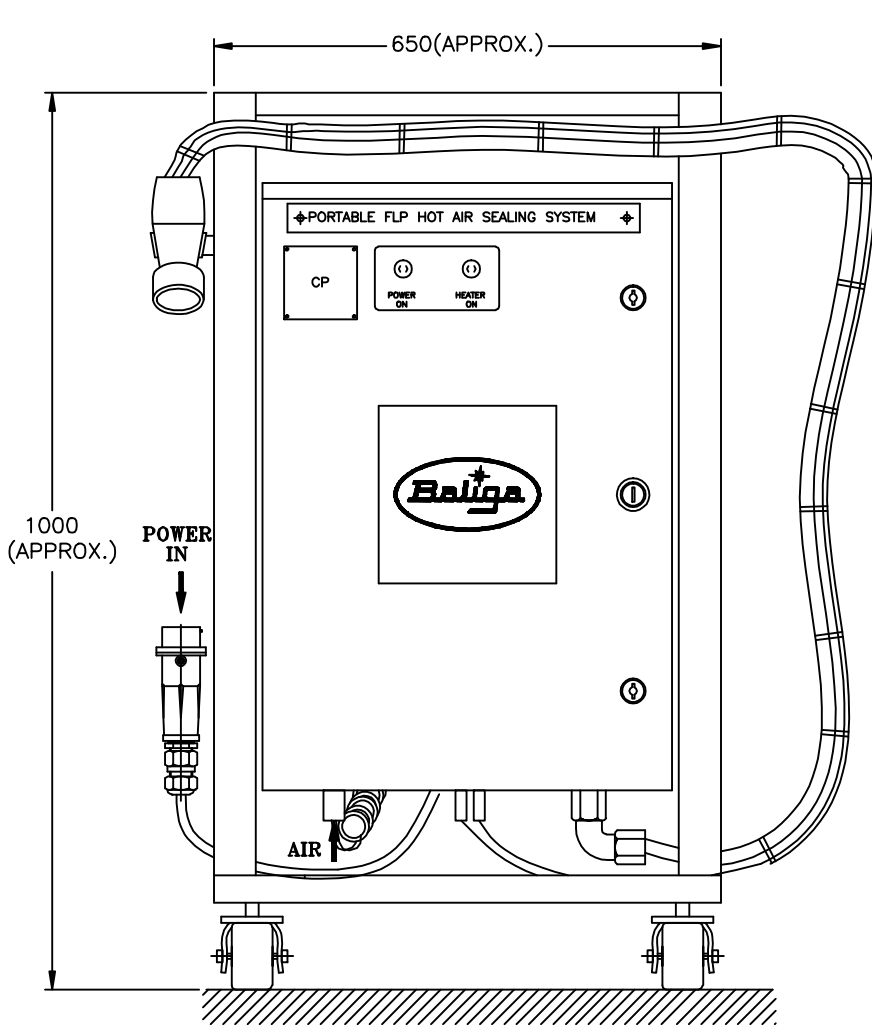


All dimensions are in mm

Type of protection	Flame Proof - Exd
Gas Groups	Group II A, II B
CMRI Certificate No.	CMRI / TC / S / H 1165
Approvals	CCE

NOTE :

- A** Compressed air through 1/2" conduit with ON /OFF valve.
- B** Power supply through FLP 15 A switch socket & 3C x 2.5 sq.mm copper cable. (For safety reason it would be Preferable to supply the power fed through a ELCB + MCB combination).



ALL DIMENSIONS ARE IN MM.

NOTES: NP – NAME & WARNING PLATE CP – CAUTION PLATE HARDWARES – SS304 HEATER – 1400WATTS RATING – 10A, 250V, 50HZ AIR PRESSURE – 5BAR DRY & LUBRICATED	CUSTOMER :	TITLE : EXPLOSIONPROOF PORTABLE HOT AIR SEALING SYSTEM		
	CONSULTANT :	CAT NO : FLPHS01		
	PROJECT :	CLASSIFICATION : Exd IIB IP55 ZONE 1&2		
	P.O No :	WEIGHT : 40KGS. (APPROX.)		
	FINISH : EPOXY POWDER COATED BLUE (SHADE 105 OF IS:5)	TOLERANCE : ±5mm	FOR INFORMATION ONLY	
	SCALE N.T.S			
CMRI : BDIL/PME/SI/MS/5/2001-2002-713	IS:13346/04 (IEC:60079-0/00)	NAME	DATE	SHEET 1 OF 1
CCE : R1(1)136/Baliga/12-XVII	IS:2148/04 (IEC:60079-1/01)	REV-1		
	IS:12063/87 (IEC:60529/89)	REV-2		
		DRN. VSK	02.02.02	
Baliga Lighting Equipments Private Limited KOVILAMBAKKAM, CHENNAI-600 117, INDIA.		CHKD. KSV	02.02.02	DRG. NO. QEFLPHS010 REV 0
		APPD. BRB	03.02.02	