

Metcal MFR-1150 Unit

60W Desolder / Solder System With Vacuum Workstand



MFR-1150 Unit Features and Benefits

- Workstation uses shop air to create a vacuum that makes desoldering easier
- Large capacity collection chamber reduces downtime
- Pistol handpiece can easily be converted to a pencil grip for additional control
- Large selection of DxP desoldering tips

Makes Desoldering Clean and Easy

Metcal's MFR-1150 Desoldering System is a powerful, cost-effective system with a small footprint. The MR-1150 has a powerful 0.85 bar vacuum built into the workstand which makes through-hole desoldering clean and easy.

The MFR-1150 system includes a Desoldering Pistol with an easy to change, large capacity solder collection chamber to ensure minimum downtime. The pistol can easily be converted to a pencil grip for additional control. Metcal offers a wide range of long life desoldering tips that will keep your equipment working efficiently.

The MFR-1150 series is the best choice for small or large production environments which need exceptional desoldering and soldering performance from a unit with a small footprint.

Technical Specifications

MFR-PS1100 Power Supply

Input Line Voltage / Frequency	100-240 VAC / 50/60Hz
Power Consumption	65 Watts Max.
Output Power / Frequency	60 Watts Max.*/ 450 KHz
Dimensions (approx.) W x D x H	90 x 200 x 152.5mm (3.5" x 8" x 6")

MFR-1150 System

Idle Tip Temperature Stability	+/- 1.1°C (2°F) in still air
Ambient Operating Temperature	10 - 40°C (50 - 104°F)
Maximum Enclosure Temperature	55°C (131°F)
Tip to Ground Potential	<2mV
Tip to Ground Resistance	<2 Ohms
Surface Resistivity	10 ⁵ - 10 ⁹ Ohm
Approvals	cTUVus, CE

MFR-H5-DS Desolder Hand-piece

Power Cord (3-wire)	183cm (72")
Solder Hand-piece Cable Length	152 cm (60"), burn proof, ESD safe
Hand-piece Connector	8 Pin Power Connector

MFR-WSDSX Vacuum Workstand

Input Voltage / Power	24V / 15W
Dimensions (approx.) W x D x H	100 x 200 x 140mm (4" x 8" x 5.5")
Noise Level	< 55 dB
Recommended Air Pressure Input	550kPa (80PSI) - Shop Air Required
Vacuum Suction Force	0.85 bar (25" Hg)

* RF SmartHeat Technology provides greater power.
For more details, visit www.metcal.com/smartheat



Desoldering pistol can easily be changed to a pencil grip for additional control.

Large capacity desoldering collection chamber is easy to change, reducing downtime



Metcal MFR-1150 Series Desoldering System With Vacuum Workstand

MFR-1150 System and Accessories

Part No.	Photo	Description
MFR-1150		Desolder System with Vacuum Workstand
Includes:		
MFR-PS1100	A	Power Supply
MFR-H5-DS	B	Desolder Hand-piece
MFR-WSDSX	C	Vacuum Workstand for Desolder Hand-piece
MFR-FTKIT		Air Hose/Fittings Kit (For Shop Air Connections)
AC-TC	D	Desolder Tip Cleaning Tool
Accessories and Replacement Parts (SOLD SEPARATELY)		
DXP Tips	E	Desoldering Tips
MFR-DC10	F	Disposable Collection Chamber for MFR-H5-DS (10/pk)
MFR-DC100	F	Disposable Collection Chamber for MFR-H5-DS (100/pk)
MFR-PG	G	Replacement Pistol Grip for HS-DS Hand-piece



E DxP Desoldering Tips. See below



F Disposable Collection Chamber



G Replacement Pistol Grip for MFR-H5-DS Hand-Piece

The MFR-H5-DS Desolder Hand-piece plugs directly into the Vacuum Workstand (MFR-WSDSX) which provides .85 bar suction force using your shop air to remove unwanted solder.



Also Available - MFR-1150 Desoldering / Soldering Unit

DXP DESOLDERING TIPS	
 Standard	A
 Long Reach	B

Compatible with: MFR-1150, MFR-1350, MFR-1351 systems with MFR-H5-DS hand-piece and previous MFR-DSX, -DSI, -SDX, -SDI Systems with MFR-HDS hand-piece.
All dimensions shown are in mm (inches)

	A	B	TYPE
DFP-CN2	0.64	1.78	Standard
DCP-CN2	(.025)	(.070)	
DFP-CN3	0.76	2.03	Standard
DCP-CN3	(.030)	(.080)	
DFP-CN4	1.02	2.28	Standard
DCP-CN4	(.040)	(.090)	
DFP-CN5	1.27	2.64	Standard
DCP-CN5	(.050)	(.104)	
DFP-CN6	1.52	2.84	Standard
DCP-CN6	(.060)	(.112)	
DFP-CN7	2.41	3.63	Standard
DCP-CN7	(.095)	(.143)	
DFP-CNL3	0.76	2.03	Long Reach
DCP-CNL3	(.030)	(.080)	
DFP-CNL4	1.02	2.28	Long Reach
DCP-CNL4	(.040)	(.090)	
DFP-CNL5	1.27	2.64	Long Reach
DCP-CNL5	(.050)	(.104)	

F = FR4 / Fiberglass, for most standard applications T = Temperature Sensitive C = Ceramic for high thermal demand applications.

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