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 ihas 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.

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

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

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**

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PRODUCT UPDATE

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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 MRF-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

Long Reach

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

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

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