



## MFR-1150 Single Output Desolder System with Venturi Workstand

The new MFR-1150 Desolder System with Venturi Workstand provides a shop air option for all MFR series power supplies.

The MFR-1150 is a complete shop air desoldering system that includes a power supply, desolder hand-piece and venturi workstand. The MFR-UK5 Upgrade kit can also turn your existing MFR-1100 or MFR-2200 series systems and older MFR-abc systems into a state-of-the-art desoldering system.

The built in venturi provides 25 inHg (.85 Bar), which substantially increases desolder capability.

The new hand-piece has been designed to be used in two configurations. The MFR-H5-DS can be used as a pencil or as a pistol style by simply adding a clip on grip supplied with the hand-piece.

Solder collection capabilities have been increased by 40% from previous MFR desolder systems and the innovative replaceable collection chamber enables reduced downtime and quicker changeover.

### Key Features

- Venturi workstand
- Compatible for use with all MFR systems
- Uses existing DxP desolder cartridges and replaceable coil assembly (MFR-HDCA)
- Provides shop air option for all MFR series

### SYSTEM CONFIGURATIONS

Part No.	Description
MFR-1150	Single Output Desolder System with External Air (Venturi Workstand)

### SYSTEM COMPONENTS

Part No.	Description
MFR-PS1100	Single Output Power Supply
MFR-H5-DS	Desolder Hand-piece, Selectable, with cord
MFR-WSDSX	Universal Workstand with Venturi Box for Desolder Hand-piece
MFR-FTKIT	Fittings and Air Hose Kit
AC-TC	Tip cleaner

### UPGRADE KITS

Part No.	Description
MFR-UK5	MFR-H5-DS Desolder Hand-piece and MFR-WSDSX Workstand



### Technical Specifications

**MFR-PS1100 POWER SUPPLY**  
**Input Line Voltage:** 100-240 VAC  
**Input Line Frequency:** 50/60Hz  
**Power Consumption:** 65 Watts max  
**Output Power:** 60 Watts Max (RF Power)  
**Output Frequency:** 450 KHz  
**Dimensions (approx.) W x D x H**  
 90mm x 200mm x 152.5mm (3.5" x 7.9" x 6.0")

**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**  
 50°C (122°F)  
**Tip to ground Potential** <2mV  
**Tip to ground resistance** <2 Ohm  
**Surface resistivity** 105 - 109 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

**MFR-WSDSX WORKSTAND**  
**Input voltage** 24V  
**Input power** 15W  
**Workstand dimensions**  
 100mm x 200mm x 140mm (4" x 8" x 5.5")  
**Noise level** < 55 dB  
**Recommended Air pressure input**  
 550kPa (80PSI) - Shop air only  
**Vacuum suction force** 0.85 bar (24 inHg)

## SOLDER AND DESOLDER CARTRIDGES

### Hand-piece

MFR-H5-DS

### Cartridges

DxP Series Desoldering Cartridges

[Link](#)

## CONSUMABLES AND SPARES

### Part No.

### Description

MFR-DC10	Disposable Collection Chamber for MFR-H5-DS (pack of 10)
MFR-DC100	Disposable Collection Chamber for MFR-H5-DS (pack of 100)
MFR-HDCA	Coil Assembly for MFR Desolder Hand-piece
MFR-PG	Replacement Pistol grip for MFR-H5-DS Hand-piece
MFR-WSDSCB	Desolder workstand cradle
AC-SK1	Seal Kit Collection Chamber (pack of 2)
AC-VP	Vacuum Port
AC-VL	ESD Air Hose
AC-Y10	Yellow sponge for WS1 Workstand (pack of 10)
AC-BP	Brass pad for WS1 Workstand (pack of 10)
AC-VPF	Vacuum Port Filter (pack of 5)
LM-PS	Power supply for MFR-WSDSX with multi plug adapters

