



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 & Benefits

- ▶ 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



MFR-UK5 Upgrade Kit is also available separately

MFR-1150 Desoldering System

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

SOLDER AND DESOLDER CARTRIDGES

Hand-piece	Cartridges
MFR-H5-DS	DxP Series Desoldering Cartridges

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

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 SmartHeat® Power)
Output Frequency	450 KHz
Dimensions (approx.) W x D x H	90mm x 200mm 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 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 (25" Hg)



MFR-WSDSX Workstand



MFR-H5-DS Pistol configuration



Remove grip for Pencil config.



Collection chamber replacement



The MFR range also includes the self-contained MFR-1300 Desoldering System