

Soldering Station with Solder Feed System

Weller WSF 81D



Weller Info No. 7



The WSF 81D Solder Feed System – invented by Weller to give you a helping hand

Weller introduced its first soldering station with automatic solder feed back in the 1980's. The automatic feed of the solder helps the operator by providing a more comfortable environment when working on circuit boards and other soldering tasks.

WSF 81D - Key Features and Benefits

■ Proven Technology

Since its introduction the automatic solder feed system has been improved and updated and now combines the latest in technological developments with Weller's renowned reliability.

■ Improved Job Handling

The automatic solder feed acts like a third hand for an operator, which makes the physical handling of soldering jobs an easier process, particularly when used in conjunction with the optional foot switch accessory – order no. 0051312099.

■ Optimised Solder Wire Feed

Two versions of the Solder Feed System available to handle solder wires with different dimensions. The WSF 81D5 is suitable for solder wire with a diameter of between 0.5 mm and 0.8 mm and the WSF 81D8 is for use with solder wire with a diameter of between 0.8 mm and 1.5 mm. The mechanical drive in each system adjusts automatically to the exact diameter of the solder wire being used and ensures the wire is kept straight and is not kinked.

■ Automatic or Continuous Solder Feed

The Solder Feed System can be set up to dispense solder in one of two ways. When set in automatic operating mode a pre programmed quantity of solder is released when the feeder is activated. When in continuous mode the solder is released for as long as the feeder is activated either by finger pressure or by using the optional foot switch. The operating mode can be switched at any time.

■ Silver Line Soldering Station

The WSFP 5 and WSFP 8 soldering irons supplied with the two system variants utilise 80 W technology resulting in very fast heat up and exceptional heat recovery performance. These irons are designed for use with LT soldering tips which give outstanding performance in lead free environments.



■ Solder Fume Removal

The WSFP irons can be fitted with an optional tip extraction accessory which when used in conjunction with one of Weller's tip extraction units, eg WFEP, will remove harmful soldering fumes from the work area. The small extraction pipe is clipped to the top of the iron and removes fumes from the soldering tip. The ergonomics of the irons are not affected by this attachment.



Technical Data

Dimensions in mm:	120 x 217 x 199 (L x W x H)
Mains voltage:	230 V / 50/60 Hz (120 V / 60 Hz)
Output voltage:	24 VAC (channel 1), 24 VDC (channel 2)
Power rating:	90 W
Fuse:	T 800mA
Temperature control:	stepless 50°C - 450°C (150°F - 850°F)
Temperature accuracy:	± 9°C (±17°F)
Equipotential bonding:	Initial state: hard grounded

Order Data

The set contains everything you need to start working:

For soldering wire diameters 0,8 mm - 1,5 mm:

For 230 V: Soldering station WSF 81D8: Order no.: 005 28 226 99

For 120 V*: Soldering station WSF 81D8: Order no.: WSF81D8

* available January 2008 - please place your reservations now!

For soldering wire diameters 0,5 mm - 0,8 mm

For 230 V: Soldering iron WSF 81D5: Order no.: 005 28 206 99

For 120 V*: Soldering iron WSF 81D5: Order no.: WSF81D5

* available January 2008 - please place your reservations now!

Additional kit for fume extraction:

FE-attachment for WSF 81D5/D8 with WDH 30 safety rest,

Order no.: 005 28 126 99

Foot switch for solder feeder 1-step,

Order no.: 005 13 120 99

Further information look on www.weller.eu and in our current pricelist EPL 2007.

Published by

Author:

Marketing, Besigheim

Contact:

Stephan Hofmann

Global Product Manager Electronic

Tel.: +49 (0) 7143 580 145

Fax: +49 (0) 7143 580 113

Stephan.Hofmann@cooperhandtools.com

Cooper Tools GmbH

Carl-Benz-Str. 2

D-74354 Besigheim

Copyright © 2007, Cooper Tools GmbH