

# FD516DS

|                             |                                     |
|-----------------------------|-------------------------------------|
| Família                     | Máquina de lavar louça profissional |
| Subfamily                   | Raised                              |
| Type                        | Undercounter traywasher             |
| Dimensões do cesto          | 500x500 mm                          |
| Painel de comandos          | Controlo eletrónico da temperatura  |
| Rinse pump                  | Sim                                 |
| Ligação energética          | 400 V 3N~ / 12 A / 6,73 kW / 50 Hz  |
| Dimensões de produto LxPxA: | 600x675x1315 mm                     |



## Mercado

|            |                                                                                                                                           |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Industries | Hotelaria; Ristoranti / Catering; Bakeries / Pastry shops; Food Industries; Catering; Retalho alimentar; Outras indústrias de comida; QSR |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------|

## Design

|              |       |        |          |
|--------------|-------|--------|----------|
| Cor dos LEDs | Verde | Design | Easyline |
|--------------|-------|--------|----------|

## Especificações técnicas

|                                             |                       |                               |         |
|---------------------------------------------|-----------------------|-------------------------------|---------|
| Trays washing option                        | Sim                   | Carga de detergente           | 1,5 l/h |
| Water consumption per cycle                 | 3,2 l                 | Carga de enxaguamento         | 0,4 l/h |
| Temperatura pré-definida de ligação da água | 5°C                   | Altura de carga operável      | 400 mm  |
| Max. inlet temperature                      | 60°C                  | Profundidade com porta aberta | 1290 mm |
| Dureza máxima da água                       | 54°f - 30°dH          | Diâmetro máximo dos pratos    | 415 mm  |
| Pressão de entrada                          | 1-6 bar / 100-600 kPa |                               |         |

## Programas

|          |                                                                            |
|----------|----------------------------------------------------------------------------|
| Programs | 6 automatic programs; 1 fully customizable program; Self-cleaning programs |
|----------|----------------------------------------------------------------------------|

|                                     |                                |
|-------------------------------------|--------------------------------|
| <b>Program options</b>              | Extra rinse; Clean water cycle |
| <b>Numero máximo de cestos/hora</b> | 60                             |
| <b>Numero máximo de pratos/hora</b> | 1080                           |

## Ligação elétrica

|                                     |        |                                   |                                                                                                                                  |
|-------------------------------------|--------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Tank heating element power</b>   | 2000 W | <b>Ligação pré-definida</b>       | 6730 W                                                                                                                           |
| <b>Boiler heating element power</b> | 4500 W | <b>Ligação eléctrica opcional</b> | 230 V 3~ / 19 A / 6,7 kW / 50 Hz; 230 V~ / 12 A / 2,7 kW / 50 Hz; 230 V~ / 16 A / 3,7 kW / 50 Hz; 230 V~ / 21 A / 4,7 kW / 50 Hz |
| <b>Wash pump power</b>              | 730 W  |                                   |                                                                                                                                  |

## Interface

|                                         |           |                                      |     |
|-----------------------------------------|-----------|--------------------------------------|-----|
| <b>Display</b>                          | 8 dígitos | <b>Alerta de falta de detergente</b> | Sim |
| <b>Luz indicadora On/Off</b>            | Sim       | <b>Indicador da fase do programa</b> | Sim |
| <b>Luz indicadora de falta de sal</b>   | Sim       | <b>Indicador de fim do programa</b>  | Sim |
| <b>Alerta de falta de abrillantador</b> | Sim       | <b>Diagnóstico manual</b>            | Sim |

## ESPECIFICAÇÕES TÉCNICAS

|                                    |                                                          |                                |                       |
|------------------------------------|----------------------------------------------------------|--------------------------------|-----------------------|
| <b>Tank</b>                        | Pofundo                                                  | <b>Junta da porta</b>          | Em 3 lados            |
| <b>Tipologia</b>                   | Parede dupla                                             | <b>Guias dos cestos</b>        | Embutidas             |
| <b>Material da cuba</b>            | Aço Inox AISI 304                                        | <b>Filter</b>                  | 5-stage filter system |
| <b>Painel traseiro</b>             | Porta galvanizada                                        | <b>Capacidade da cuba</b>      | 11 l                  |
| <b>Porta equilibrada</b>           | Sim                                                      | <b>Capacidade da caldeira</b>  | 6.5 l                 |
| <b>Sistema de lavagem superior</b> | One wash and one split rinse spray arms, stainless steel | <b>Classe de Proteção</b>      | IPX4                  |
| <b>Sistema de lavagem inferior</b> | One wash and one split rinse spray arms, stainless steel | <b>Adjustable feet</b>         | Sim                   |
| <b>Filtro da cuba</b>              | Aço inox                                                 | <b>Altura max. de drenagem</b> | 600 mm                |

## Acessórios incluídos

|                             |               |                                           |          |
|-----------------------------|---------------|-------------------------------------------|----------|
| <b>Cesto para talheres</b>  | 1x PHOOS02    | <b>Mangueira de abastecimento de água</b> | Sim - 2m |
| <b>Cesto de fundo plano</b> | 1x PB50G02    | <b>Mangueira de drenagem</b>              | Sim - 2m |
| <b>Grids</b>                | 1 x KIT-WG500 |                                           |          |

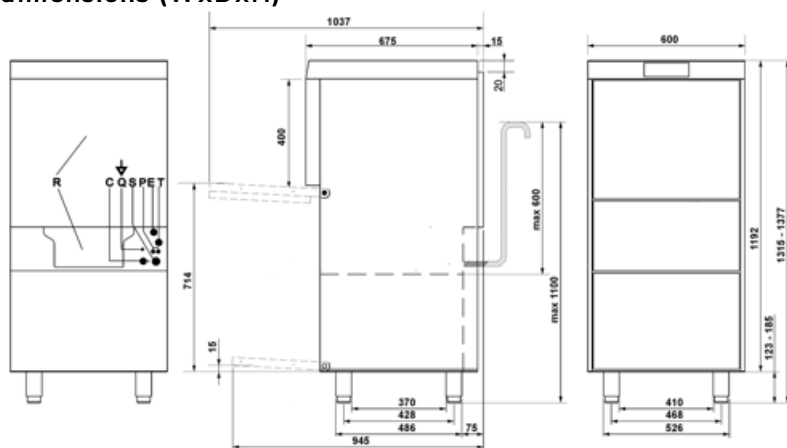
## Equipamentos

|                          |     |                                        |                              |
|--------------------------|-----|----------------------------------------|------------------------------|
| <b>Bomba de drenagem</b> | Sim | <b>Option for auto daily switch on</b> | Sim, desligado por definição |
|                          |     | <b>Contador de ciclos</b>              | Sim                          |

|                                  |                         |                                                                 |             |
|----------------------------------|-------------------------|-----------------------------------------------------------------|-------------|
| Peristaltic detergent dispenser  | Controlo electrónico    | Break tank                                                      | Sim         |
| Peristaltic rinse-aid dispenser  | Controlo electrónico    | Renovação parcial da água na cuba e bomba de drenagem integrada | Sim         |
| Sonda de nível químico           | Sim, opcional KITSONLIV | Diâmetro do tudo de abastecimento de água                       | DN15 - ½"   |
| Amaciador automático incorporado | Sim                     | Ø do tubo de drenagem                                           | DN20-G 3/4" |
| Rinse boiler Thermostop system   | Yes - default           | Comprimento da mangueira de detergente (vermelha)               | 2,2 m       |
| Wash pump soft start system      | Sim                     | Comprimento da mangueira de enxaguamento (azul)                 | 2,2 m       |
| Stand-by system                  | Sim                     |                                                                 |             |

## Dados de logística

|                                   |                 |                   |            |
|-----------------------------------|-----------------|-------------------|------------|
| Código EAN                        | 8017709254216   | Peso líquido (kg) | 93.000 kg  |
| Packed product dimensions (WxDxH) | 1470x660x700 mm | Peso bruto (kg)   | 107.000 kg |



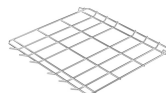
|   |                                                                                              |
|---|----------------------------------------------------------------------------------------------|
| R | PANNELLO RETRO<br>LOWER BACK PANEL                                                           |
| Q | WORSETTO EQUIPOTENZIALE<br>EARTH TERMINAL                                                    |
| P | TUBI POMPE PERISTALTICHE<br>PERISTALTIC HOSES                                                |
| E | CAVO ALIMENTAZIONE ELETTRICA<br>ELECTRICITY SUPPLY CABLE                                     |
| S | TUBO DI SCARICO<br>DRAIN HOSE                                                                |
| T | ENTRATA CAVO DI ALIMENTAZIONE DOSATORE ESTERNO<br>EXTERNAL DISPENSER POWER CABLE ENTRY POINT |
| C | TUBO DI CARICO<br>FILLER HOSE                                                                |

## Acessórios Compatíveis



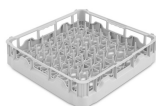
### KITSONLIV

Probe level kit



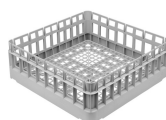
### KIT-WG500

Support grid for tray washer, dim. (WxD) 500x500 mm



### PB50D01

Polypropylene basket for 18 plates Ø250 mm max, dim.(WxDxH) 500x500x105 mm



### PB50G02

Universal flat bottom polypropylene basket, internal height 150 mm, dim. (WxDxH) 500x500x170 mm



### PHOOS01

Polypropylene single basket for cutlery



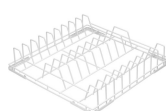
### PHOOS02

6 compartment polypropylene basket for cutlery



### WB50D01

Wire basket for 18 dishes Ø250 mm max or trays h 370 mm, dim. (WxDxH) 500x500x92 mm



### WB50T02

Wire basket for 7 trays GN1/1 h 20 mm, dim. (WxD) 500x500 mm



### WB50T03

Wire basket for 6 trays GN1/1 h 60 mm and EN 600x400 mm, 64 mm row spacing, dim. (WxDxH) 500x500x206



### WH00S01

Wire insert for 17 small dishes, width 100 mm, for flat bottom baskets 500x500 and 600x500 mm

## Symbols glossary

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SUITABLE FOR EURONORM TRAY



SUITABLE FOR GASTRONORM  
TRAY



HTR RINSING SYSTEM



MAX. USABLE HEIGHT 400mm



5 STAGE FILTER

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## Benefit (TT)

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### Balanced door

Effortless opening and closing

The counterbalanced door is designed to ensure smooth and effortless opening and closing, providing high user convenience. Additionally, it can be locked in a halfway position, a particularly useful feature for promoting natural drying at the end of the workday, enhancing overall hygiene and preventing the buildup of residual moisture.

### 5-stage system

Deep cleaning and spotless washes with the patented filtration system

The innovative Smeg filtration system consists of 5 stages to completely eliminate all impurities: the 1st stage captures larger food residues; in the 2nd and 3rd stages, finer particles are captured at this filtration stage; the 4th stage features a pre-filtration grid to prevent debris from entering the tank and clouding the water. Finally, the last stage is designed to further protect the washing and draining pumps from any debris that may accidentally enter the tank during filter cleaning.

### Moulded tank

Superior washing performance and enhanced cleaning convenience with molded tub bottoms and basket guides

Smeg dishwashers are designed with moulded tank and basket guides. The absence of sharp edges ensures an optimised wash flow, guaranteeing hygiene and impeccable cleaning performance. Furthermore, this innovative design simplifies machine cleaning, reducing the need for maintenance interventions.

### Integrated softener

Effective water treatment for consistently sparkling glasses

The integrated continuous regeneration water softener ensures effective water treatment, enhancing washing performance and preserving the machine's operational lifespan. The resin regeneration process takes place during the wash cycle without interruptions, providing constant control over water hardness. This system prevents limescale buildup, maximises detergent efficiency, and guarantees spotless results on glassware and dishes.

### Integral double-skin

Thermal and acoustic insulation guaranteed

The double-skin design of undercounter dishwashers is engineered to optimise energy efficiency by minimising heat loss and accelerating water heating, resulting in lower energy consumption and faster start-up times. Additionally, it provides effective sound insulation, helping to reduce noise levels and ensuring a quieter, more comfortable working environment for staff.

### Drain pump

Partial water replacement during the wash cycle for clean and hygienic dishes

The standard drain pump, equipped with a partial water exchange system, ensures that the dirtiest water is automatically removed at every wash cycle. This mechanism allows for continuous renewal of the water used, ensuring that each phase of the washing process is carried out with clean water. The result is optimal dishwashing performance, with outstanding efficiency and an impeccable level of hygiene.

### **Soft-start system**

Effective management of the washing pump to protect your glassware

The Soft-Start function initiates the wash cycle gently and gradually, progressively increasing the water pressure. This system has been designed to provide optimal protection for the most fragile items, such as crystal glasses, significantly reducing the risk of chipping or damage. At the same time, it ensures excellent cleaning performance, combining efficiency and safety in every wash cycle.

### **Raised version**

Easy and fast dishwasher loading and unloading operations

The raised design facilitates loading and unloading dishes, making these tasks faster and more efficient. This results in significant time savings, especially valuable in high-intensity work environments.

The space below the dishwasher can be used to store detergents, utensils, or other accessories, providing a practical solution to optimise space usage, particularly in compact kitchens.