

# Technical Data

## Scarabelli > Cooling and Humidification

### > Cooling and Agriculture Fogging Systems

#### > High Pressure Pumps



#### DESCRIPTION:

##### Application

- This series of professional pumps represent the ideal solution for the creation of nebulization systems with flow rates from 0,6 to 6 l / min with single-phase motors

##### Features

- Professional high pressure pump unit
- Work pressure: 70 bar
- 3 ceramic pistons, brass head
- Anti-corrosion painted metal cover
- Anti-vibration rubber feet
- Pressure regulation valve, internal by-pass
- Glycerine filled pressure gauge
- In-line solenoid valve, 230V-50 Hz
- Industrial motor with thermal protection 230V-50Hz 1.450 rpm 2,2 HP self-ventilated
- ON / OFF switch
- Machine saving pressure switch for dry running prevention
- Low noise level: 60 dB (A)
- Built in compliance with CE regulations

| Code   | Description         | No. of nozzles Ø 20 mm | l/m | Watt  |
|--------|---------------------|------------------------|-----|-------|
| ONF502 | Premium pump 70 bar | 4 ÷ 7                  | 0,6 | 440   |
| ONF503 | Premium pump 70 bar | 8 ÷ 12                 | 1,0 | 550   |
| ONF504 | Premium pump 70 bar | 15 ÷ 25                | 2,0 | 680   |
| ONF505 | Premium pump 70 bar | 30 ÷ 40                | 3,0 | 815   |
| ONF506 | Premium pump 70 bar | 40 ÷ 50                | 4,0 | 900   |
| ONF507 | Premium pump 70 bar | 50 ÷ 75                | 6,0 | 1.250 |

Note: other models with different performances available on request

| Code   | Nozzles Ø 20 mm | Output flow-rate l/m | Watt  |
|--------|-----------------|----------------------|-------|
| ONF502 | 4 ÷ 7           | 0,6                  | 440   |
| ONF503 | 8 ÷ 12          | 1,0                  | 550   |
| ONF504 | 15 ÷ 25         | 2,0                  | 680   |
| ONF505 | 30 ÷ 40         | 3,0                  | 815   |
| ONF506 | 40 ÷ 50         | 4,0                  | 900   |
| ONF507 | 50 ÷ 75         | 6,0                  | 1.250 |

Note: other models with different performances available on request

### > Fogging Kit




#### DESCRIPTION:


#### Application


- The accessories contained in the various "Kits", to be combined with a pump module, allow you to install a complete system needing only a water connection and an electrical socket

#### Features

- In the case of the wind kit, the fusion between the force of the air and the nebulization offers the most powerful and effective system for cooling outdoors or for large spaces indoors
- The thrust of the air cooled by the micro-atomization significantly lowers the temperature in the affected area
- Positioning of nozzles every 0,8 m

| Code   | Description  | Nozzles number |   |
|--------|--|----------------|---|
| ONF578 | Polyamide line kit (includes filter, hose, nozzles and fittings) | 10             |  |
| ONF579 | Polyamide line kit (includes filter, hose, nozzles and fittings) | 20             |   |
| ONF580 | Polyamide line kit (includes filter, hose, nozzles and fittings) | 30             |   |
| ONF581 | Polyamide line kit (includes filter, hose, nozzles and fittings) | 50             |   |
| ONF582 | Polyamide line kit (includes filter, hose, nozzles and fittings) | 70             |   |




| Code   | Description   | Nozzles number |   |
|--------|---|----------------|---|
| ONF561 | Stainless steel line kit (includes filter, hose and fittings) | 10             |  |
| ONF562 | Stainless steel line kit (includes filter, hose and fittings) | 20             |   |
| ONF563 | Stainless steel line kit (includes filter, hose and fittings) | 30             |   |
| ONF564 | Stainless steel line kit (includes filter, hose and fittings) | 50             |   |
| ONF565 | Stainless steel line kit (includes filter, hose and fittings) | 70             |   |

| Code   | Description   | Nozzles number | N. fans |   |
|--------|---|----------------|---------|---|
| ONF588 | Wind Premium kit (includes filter, hose, fans and fittings) | 8              | 2       |  |
| ONF589 | Wind Premium kit (includes filter, hose, fans and fittings) | 16             | 4       |   |
| ONF590 | Wind Premium kit (includes filter, hose, fans and fittings) | 24             | 6       |   |
| ONF591 | Wind Premium kit (includes filter, hose, fans and fittings) | 32             | 8       |   |
| ONF592 | Wind Premium kit (includes filter, hose, fans and fittings) | 40             | 10      |   |







# Technical Data

## Scarabelli > Cooling and Humidification

### > Accessories and Spare Parts

| Code   | Description   | €     |   |
|--------|---|-------|---|
| ONF232 | Anti-lime - 1 liter bottle - other chemical products on request   | 28,60 |  |
| ONF313 | 20" 1 micron filter cartridge - other diameters and micron available  | 27,00 |  |
| ONF317 | Economy filter kit with accessories - 1x 5" 1/2 - 5 micron IN 3/4F - OUT 10 mm - 9" and 20" filters and antibacterial available | 75,52 |  |

## Landscape

| Code   | Description                                   | €     |   |
|--------|---|-------|---|
| ONF150 | TCN 1/24" Noxide Economy 0,15 clean-up nozzle | 15,10 |  |
| ONF151 | TCN 1/24" Noxide Economy 0,20 clean-up nozzle | 10,08 |   |
| ONF152 | TCN 1/24" Noxide Economy 0,30 clean-up nozzle | 8,10  |   |
| ONF183 | Brass nozzle head                             | 2,34  |  |
| ONF156 | Fitting for nozzle 3/8" with 1 hole 1/24"     | 14,21 |  |
| ONF165 | Tube coupling 3/8"                            | 12,41 |  |
| ONF166 | Quick coupling Tee 3/8"                       | 26,80 |  |
| ONF168 | 90° quick coupling bend 3/8"                  | 20,14 |  |

| Code   | Description                                 | €      |   |
|--------|---|--------|---|
| ONF164 | 3/8" end cap                                | 4,86   |  |
| ONF161 | End fitting for 1 nozzle                    | 11,69  |  |
| ONF170 | 1/4" male connector for 3/8" tube           | 10,61  |  |
| ONF223 | 3/8" nylon coil pipe roll 25 mt black       | 157,33 |  |
| ONF224 | 80 cm in lenght nylon rigid pipe 3/8" black | 6,66   |  |
| ONF184 | Steel clamp for 3/8" tubing                 | 1,71   |  |

## Scarabelli > Cooling and Humidification

### > Autonomous Fogging Fan MOBI-COOL



#### DESCRIPTION:

##### Application

- Possible uses: gardens, verandas, public places, bars, restaurants, hotels, swimming pools, sporting events, beaches, warehouses, workshops and any other environment to be cooled

##### Features

- Fill the tank, plug in, switch on
- MOBI-COOL, is a transportable fan with cooling effect equipped with integrated pump and tank
- Thanks to the internal pressurization system MOBI-COOL is able to mix atomised water with the flow of ventilated air thus creating a refreshing effect throughout the area of action
- Totally autonomous thanks to the large capacity internal water tank which guarantees autonomy from 3 to 5 hours
- The silence, equal to an acoustic emission of less than 55 dB, is guaranteed by the low consumption electric motor QES, technology designed for applications in environments that require low acoustic emissions

##### Specifications

- Professional pump unit with aluminum head
- Spray coverage up to 50m<sup>2</sup>
- Ventilation depth 8 meters
- 30° fan swing per side
- Work pressure: 70 bar
- 3 high strength stainless steel pistons
- Variable flow system with internal by-pass
- Safety valve
- Self-ventilated industrial motor
- Thermal protection
- 60 liter water tank
- OFF / VENTILATION / VENTILATION + NEBULIZATION switch
- Balanced weight, wheels and handling handle
- Level sensor for dry-running prevention
- Built in compliance with CE regulations

| Code   | Description                               | Hours autonomy | Output flow-rate l/m |
|--------|---|----------------|----------------------|
| ONF610 | Mobi Cool with 4 nozzles - 450 W - 70 bar | 3              | 0,31                 |
| ONF611 | Mobi Cool with 4 nozzles - 450 W - 70 bar | 5              | 0,18                 |