



# EMI 8000

## NEW GENERATION OF ANTI-SCALING SYSTEMS

Dropson uses advanced EMI (Electro Magnetic Impact) technology, which, combined with calculation software, enables its use in various fields and applications.

### General specifications

|                                           |                    |
|-------------------------------------------|--------------------|
| Male fittings                             | DN 32 - 1 1/4"     |
| Food grade stainless steel fittings       | AISI 304L          |
| Food grade stainless steel treatment cell | AISI 316L          |
| Stainless steel case                      | AISI 304L          |
| Protection factor                         | IP 54              |
| Weight                                    | 15 Kg              |
| Dimensions                                | 385 x 240 x 145 mm |

### Hydraulic specifications

|                                |                       |
|--------------------------------|-----------------------|
| Peak flow                      | 8,5m <sup>3</sup> /h  |
| Pressure drop (with peak flow) | 75 gr/cm <sup>2</sup> |
| Maximum pressure               | 10 bars               |
| Maximum recommended salinity   | 1500 TDS              |
| Maximum recommended hardness   | 100° fH               |
| Application index              | B Type (*)            |

(\*A Type= intermittent peak flow application)

(\*B Type= sustained peak flow application)

ADVICE: install a sediment filter before DROPSON (25 microns)

### Electric specifications

| Model  | Voltage              | Cable type       | Plug   |
|--------|----------------------|------------------|--------|
| 8000 F | 220V-240V-AC 50/60HZ | H05 WF 3G1 2PT+T | F Type |
| 8000 I | 220V-240V-AC 50/60HZ | AS/NZS 3112      | I Type |
| 8000 B | 110V-120V-AC 50/60HZ | NEMA 5-15 (B)    | B Type |

- Average consumption: 40 watts
- Overvoltage protection with varistors: 8000A / 1120V
- Cable length: 3m

### Temperatures

Maximum inlet water temperature: 40°C

Maximum temperature of treated water: 80°C.

For DHW accumulation, we recommend a temperature between 65° and 70° maximum.

### Tecnology

|                                                |        |
|------------------------------------------------|--------|
| E.M.I. Technology (Electronic Magnetic Impact) | EMI    |
| Treatment cell with turbulent flow             | Vortex |

### Applicable standards

|                                                         |
|---------------------------------------------------------|
| Electromagnetic Compatibility CEM directive 2014/30/CEE |
| Electric conformity norm UNE-EN 60335-1                 |
| Stainless steel norm AISI 316L SVGW W/TPW 119/1(*)      |

(\*) Food grade

