



# EMI 4000

## 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 26 - 1"        |
| 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                                    | 7,5 Kg            |
| Dimensions                                | 390 x 190 x 70 mm |

### Hydraulic specifications

|                                |                        |
|--------------------------------|------------------------|
| Peak flow                      | 4,5m <sup>3</sup> /h   |
| Pressure drop (with peak flow) | 100 gr/cm <sup>2</sup> |
| Maximum pressure               | 10 bars                |
| Maximum recommended salinity   | 1500 TDS               |
| Maximum recommended hardness   | 100° fH                |
| Application index              | A 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   |
|--------|----------------------|------------------|--------|
| 4000 F | 220V-240V-AC 50/60HZ | H05 WF 3G1 2PT+T | F Type |
| 4000 I | 220V-240V-AC 50/60HZ | AS/NZS 3112      | I Type |
| 4000 B | 110V-120V-AC 50/60HZ | NEMA 5-15 (B)    | B Type |

- Average consumption: 22 watts
- Overvoltage protection with varistors: 8000A / 1120V
- Cable length: 1,5m

### 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

