

PATENTED

EUROPEAN PATENT  
Nr.: EP 4 003 917



# DRAG'EAU®

## THE ALL-IN-ONE DESLUDGER



PREVENTIVE, CURATIVE AND SUSTAINABLE



We do physically what others do chemically.

10-YEAR  
WARRANTY\*

## THE SELF-SUFFICIENT DESLUDGER FOR HEATING AND CHILLED SYSTEMS

Corrosion, bacterial growth and formation of metal sludge are a natural phenomenon in a heating or a chilled system.

These disruptions can cause cold spots, blockages, boilers and heat pumps breakdowns and significant excess energy consumption.

With nearly 20 years of experience in the water treatment solutions, DRAG'EAU has become a world leader in its industry, while maintaining the flexibility and know-how of a family business.

DRAG'EAU desludgers are designed to offer solutions that go beyond the limits of the traditional chemical approach to the treatment of the central heating while making daily work of professionals easier and saving money for home owners.

DRAG'EAU offers a technical support to optimize recommendation and efficiency on demand, on technical files and water analyzes.

**PREVENTIVE**  
passivates corrosion and biological development

**CURATIVE**  
Continuous sludge removal thanks to the powerful soundwaves at low frequency

**PRACTICAL**  
Simple and quick to install  
Space-saving device

**COST-EFFECTIVE**  
No maintenance, no chemicals, no electricity  
Reduced energy consumption

**PROTECTS**  
Improves equipment lifespan, and boilers/heat pumps efficiency

**ECO-FRIENDLY**  
Physical treatment, lasting solution with no chemicals



\*See our general terms and conditions of sale.



## AN INNOVATIVE 3-STEP TECHNOLOGY

1

### LIFT AND SHIFT THE SLUDGE

The water flow goes through the DRAG'EAU desludger and benefits from a powerful **VORTEX EFFECT**, which improves the water's ability to dissolve sludge and biological debris. Water circulation is restored and flow rates improve.

2

### DISSOLUTION

On entering the device, the water molecules are accelerated (Venturi effect) and enter into resonance with ceramic elements built into the core of the device.

This physical phenomenon generates low-frequency, high-intensity **SOUND WAVES**, which reduce suspended debris to very fine particles, invisible to the naked eye. The flow is gradually restored and energy consumption is reduced.

3

### METAL PASSIVATION

The synergy of the **VORTEX EFFECT** and powerful **SOUND WAVES**, causes excitation of the electrons which are then charged and deposited in the form of a protective film which constitutes a passivation layer on all metal surfaces.

The networks are stabilized and durably protected against corrosion and biofilms and their lifespan is extended.



SEE OUR VIDEO

### STARTING POINT

Beginning  
of sludge removal  
with the DRAG'EAU



### TREATMENT IN PROGRESS

The sludge  
is dissolved  
by the DRAG'EAU



### AFTER TREATMENT

The sludge is now recycled,  
the water has regained,  
its initial properties and the system  
is protected against corrosion



# A RANGE OF DEVICES SUITED TO ANY ENVIRONMENT

DRAG'EAU physical desludger can be installed in line on the main pipe without any modification on central heating and chilled systems. Tens of thousands of owners, social housers, house builders, manufacturers, plumbers and maintenance companies, to name but a few, have chosen DRAG'EAU.



**Home owners**



**Commercials / Offices**



**Industry**

- ✓ Improves lifetime of equipment
- ✓ High energy saving

- ✓ Reduces maintenance costs
- ✓ Lasting protection for heating and chilled systems

- ✓ Protects equipment
- ✓ Reduces boiler and heat pumps breakdown

## DESLEDGER RANGE

Apartments



Home



Commercials, Offices & Industry



from DS-i32  
to DS-i50



from DS-i50b  
to DS-i200

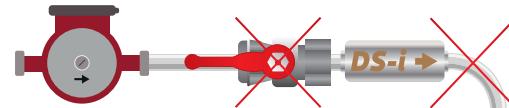
SCREW-FITTING MODELS

FLANGE-FITTING MODELS

Body material INOX 316L

Temperature tolerance from -20°C to +155°C

Maximum pressure 25 bars



Model	DS-i20	DS-i25	DS-i32	DS-i40	DS-i50	DS-i50b	DS-i65	DS-i80	DS-i100	DS-i150	DS-i200
Nominal diameter (SI) mm	20	25	32	40	50	50	65	80	100	150	200
Nominal diameter (imperial)	3/4"	1"	1"1/4	1"1/2	2"	2"	2"1/2	3"	4"	6"	8"
Maximum flow capacity m³/h	1,2	4,4	5,7	9,5	17,5	17,5	29	41,8	91	300	510
Pressure drop at maximum flow mbar	105	120	220	150	140	140	110	115	158	242	220
Total length mm	100	119	145	160	170	170	255	280	365	410	460

Contact us for references, other diameters and special applications. Our design office is ready to help you.

For more information, please contact our Business Development Director, Jordane Mercier, by phone at +33 6 76 98 91 76 or by email at [j.mercier@drageau.com](mailto:j.mercier@drageau.com)

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