DosaFil® Limited
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DosaFil®

MADE IN BRITAIN®

BSRIA Member

GRUNDFOS

5 YEAR WARRANTY

CSA EST 1990 MAKING BUILDINGS WORK

DosaFil-Duo®

Overview & Key Benefits

Closed heating and cooling systems are vulnerable to scale, corrosion and fouling which increase energy consumption and reduce equipment life expectancy. The patented DosaFil-Duo® addresses the key concerns of the HVAC market linked to water quality and treatment control enabling systems to be operated and maintained in line with the guidelines detailed in BSRIA BG29 and BG50.

The DosaFil-Duo® is a safe, convenient and effective way to introduce solid or liquid treatment chemicals into hot or cold closed recirculating water systems while also providing constant side stream filtration and continuous air removal. Smart monitoring notifies the user of the need to change the filter bag. The DosaFil-Duo® is the only device on the market today that combines high performance filtration with air removal and safe chemical dosing capability in both liquid or solid form. DosaFil® standard operating pressure and temperature ranges are unmatched in the market today.

- Quick release Lid means chemicals can be quickly and safely added to the system and filter bags changed.

- Ease of installation and use means that systems fouled with suspended solids and deposits can be cleaned up online potentially eliminating the need for costly offline cleaning and remediation.

- Smart monitoring notifies user when filter bags need changing, communication options for BMS built in as standard.

- Green technology designed to optimize energy and water consumption.

- Industry proven technology combined in one device eliminating the need for separate by-pass chemical feeder, auto air vent and filter devices.

- Filtration possible down to 0.5 microns allowing suspended solids to be controlled within industry standards.

DosaFil-Duo® Range

Wall Mounted			Free Standing	
Maximum Temperature 90°C		Maximum Temperature 130°C		
Maximum Pressure 10bar		Maximum Pressure 20bar		Maximum Pressure 16bar
DosaFil-Duo® Nano	DosaFil-Duo® Nano+	DosaFil-Duo® Micro+	DosaFil-Duo® S+	DosaFil-Duo® HF+
Upto 40,000lt system volume		Upto 87,840lt system volume	Upto 180,000lt system volume	Upto 306,000lt system volume

DosaFil-Duo® Range

Feature	DosaFil-Duo® Nano	DosaFil-Duo® Nano +	DosaFil-Duo® Micro +	DosaFil-Duo® S +	DosaFil-Duo® HF +
Test Pressure	15 Bar	15 Bar	30 Bar	30 Bar	23 Bar
Maximum Operating Pressure	10 Bar	10 Bar	20 Bar	20 Bar	16 Bar
Vessel PED Certification (PD 5500:2021 Category 3)	CE	CE	CE	CE	CE
Inlet/Outlet Connection Size	0.75" BSPTF	0.75" BSPTF	1" BSPTF	1.25" BSPTF	1.5" BSPTF
Designed, Fabricated & Assembled in the UK	YES	YES	YES	YES	YES
Vessel Materials of Construction	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Vessel Mounting	Wall	Wall	Wall	Floor	Floor
Filtration Range	50,25,10,5,1,0.5µm	50,25,10,5,1,0.5µm	50,25,10,5,1,0.5µm	50,25,10,5,1,0.5µm	50,25,10,5,1,0.5µm
Minimum Fluid Operating Temperature (all components)	5°C	5°C	5°C	5°C	5°C
Maximum Fluid Operating Temperature (all components)	90°C	90°C	130°C	130°C	130°C
Maximum Flow Rate**	30.5 l/min	30.5 l/min	61 l/min	125 l/min	212.5 l/min
Maximum System Volume*	40,000 lt	40,000lt	87,840lt	180,000lt	306,000lt
Solid Chemical Dosing Capability	YES	YES	YES	YES	YES
Liquid Chemical Dosing Capacity	2.5lt	2.5lt	4.5lt	9.5lt	19lt
System Standard Warranty	5 Years	5 Years	5 Years	5 Years	5 Years
Automatic Air Vent Fitted as Standard	YES	YES	YES	YES	YES
Automatic Air Vent Standard Warranty	20 Years	20 Years	20 Years	20 Years	20 Years
Pressure Gauge Fitted as Standard	YES 10bar	YES 10bar	YES 20bar	YES 20bar	YES 20bar
Vessel Drain/Clean Water Sample Point Fitted as Standard	YES	YES	YES	YES	YES
Integrated Coalescing Assembly Using Proven Technology	YES	YES	YES	YES	YES
Custom Insulated Jacket Supplied	YES	YES	YES	YES	YES
DP Sensors with Local Audible & Visual Alarms Fitted as Standard	UPGRADEABLE	YES	YES	YES	YES
DP Controller Power Supply Requirements	N/A	240v 13amp	240v 13amp	240v 13amp	240v 13amp
DP Control Voltage	N/A	24v	24v	24v	24v
DP Controller Enclosure IP Rating	N/A	IP65	IP65	IP65	IP65
BMS Outputs on DP Alarms Fitted as Standard	UPGRADEABLE	2 x VFC	2 x VFC	2 x VFC	2 x VFC
Weight Empty	7.5kg	8.5kg	17kg	21kg	37kg
Operating Weight	10kg	11kg	21.5kg	30.5kg	56kg

**Based on BSRIA guidance of 1 x system volume in 24hrs.*

***Based on clean 50 micron filter bags installed.*

Easy. Safe. Fast.

DosaFil® makes water treatment what it should be

CLEANS SYSTEMS ONLINE
No downtime necessary

COMPLETE TREATMENT
The only device to combine chemical dosing with air removal and constant side stream filtration

2-MINUTE FILTER CHANGE
No specialist tools required. Smart monitor notifies user to change bags

SERIOUS ECO-CREDENTIALS
UK's most environmentally-friendly chemical system

SOLID OR LIQUID CHEMICALS
Flexible dosing options - choose solid for cost, energy, and time savings

WIDE RANGE
Standard temperature ranges from 90°C - 130°C and pressure ranges from 10 - 20 bar

DosaFil-Duo® PV (Pumped Version) Range

Wall Mounted	Free Standing - Skid Mounted	
Maximum Temperature 90°C	Maximum Temperature 120°C	
Maximum Pressure 10bar	Maximum Pressure 20bar	Maximum Pressure 16bar

DosaFil-Duo® Nano+PV

Upto 10,000lt system volume

DosaFil-Duo® Micro+PV

Upto 87,840lt system volume

DosaFil-Duo® S+PV

Upto 180,000lt system volume

DosaFil-Duo® HF+PV

Upto 306,000lt system volume

DosaFil-Duo® PV (Pumped Version) Range

Feature	DosaFil-Duo® Nano+ PV	DosaFil-Duo® Micro+ PV	DosaFil-Duo® S+ PV	DosaFil-Duo® HF+ PV
Vessel Test Pressure	15 Bar	30 Bar	30 Bar	23 Bar
Maximum Operating Pressure	10 Bar	20 Bar	20 Bar	16 Bar
Vessel PED Certification (PD 5500:2021 Category 3)	CE	CE	CE	CE
Inlet/Outlet Connection Size	0.75" BSPTF	1.25" PN25 Flange	1.25" PN25 Flange	2" PN25 Flange
Designed, Fabricated & Assembled in the UK	YES	YES	YES	YES
Vessel Materials of Construction	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Vessel Mounting	Backboard Mounted	Skid Mounted	Skid Mounted	Skid Mounted
Filtration Range	50,25,10,5,1,0.5µm	50,25,10,5,1,0.5µm	50,25,10,5,1,0.5µm	50,25,10,5,1,0.5µm
Minimum Fluid Operating Temperature (all components)	5°C	5°C	5°C	5°C
Maximum Fluid Operating Temperature (all components)	90°C	120°C	120°C	120°C
Maximum Flow Rate**	30.5 l/min	61 l/min	125 l/min	212.5 l/min
Maximum System Volume*	5,000lt	87,840lt	180,000lt	306,000lt
Solid Chemical Dosing Capability	YES	YES	YES	YES
Liquid Chemical Dosing Capacity	2.5lt	4.5lt	9.5lt	19lt
System Standard Warranty	5 Years	5 Years	5 Years	5 Years
Automatic Air Vent Fitted as Standard	YES	YES	YES	YES
Automatic Air Vent Standard Warranty	20 Years	20 Years	20 Years	20 Years
Pressure Gauge Fitted as Standard	YES 10bar	YES 20bar	YES 20bar	YES 20bar
Vessel Drain/Clean Water Sample Point Fitted as Standard	YES	YES	YES	YES
Integrated Coalescing Assembly Using Proven Technology	YES	YES	YES	YES
Custom Insulated Vessel Jacket Supplied	YES	YES	YES	YES
DP Sensors with Local Audible & Visual Alarms Fitted as Standard	YES	YES	YES	YES
DP Controller Power Supply Requirements	240v 13amp	240v 13amp	240v 13amp	240v 13amp
DP Control Voltage	24v	24v	24v	24v
DP Controller Enclosure IP Rating	IP65	IP65	IP65	IP65
BMS Outputs on DP Alarms Fitted as Standard	2 x VFC	2 x VFC	2 x VFC	2 x VFC
Base Plate & Pipework Material	Stainless Steel 304 & 316	Stainless Steel 304 & 316	Stainless Steel 304 & 316	Stainless Steel 304 & 316
Pump Supply Voltage	240v/1p/50hz	240v/1p/50hz	240v/1p/50hz	240v/1p/50hz
Pump Manufacturer & Model	Grundfos Magna 3	Grundfos CRIE	Grundfos CRIE	Grundfos CRIE
Pump Type	high-efficiency circulator pump with smart control	Vertical Multistage Centrifugal VSD Controlled	Vertical Multistage Centrifugal VSD Controlled	Vertical Multistage Centrifugal VSD Controlled
Pump Design Flow & Factory Preset	0.2m3/hr @ 1bar delivery	3.66m3/hr @ 2bar delivery	7.5m3/hr @ 2bar delivery	12.75m3/hr @ 2bar delivery
Weight Empty (kg)	22.5kg	85kg	98.5kg	144kg
Operating Weight (kg)	26kg	95kg	114.5kg	173kg
Dimensions (L x D x H) (mm) (D = distance unit protrudes from wall mounting)	710 x 300 x 550	x	x	x
Dimensions (L x W x H) (mm)	x	850 x 500 x 1135	850 x 500 x 1485	950 x 600 x 1535

**Based on BSRIA guidance of 1 x system volume in 24hrs.* ***Based on clean 50 micron filter bags installed.*

Easy. Safe. Fast.

Get in the flow with DosaFil-Duo® PV. Safe chemical dosing, automatic air removal and continuous side stream filtration in wall mounted or skid mounted pumped devices

OEM GRUNDFOS PUMP
Dedicated Grundfos recirculation pump with controls ensures good flow throughout the device

CLEANS SYSTEMS ONLINE
Filters all contaminants from 50 to 0.5 microns - no downtime necessary

MAGNET FREE
Eliminates health and safety concerns associated with large magnets

FAST & EFFICIENT
Two minute filter change, unmatched standard operating pressure and temperature ranges, insulated jacket

SOLID OR LIQUID
Use liquid chemicals or increase your eco-credentials, convenience and cost-savings with solid chemicals

HIGH SPEC
Designed and Manufactured in Britain

Serious Eco-Credentials

Eco-friendly solid chemical range to complement DosaFil® devices

DosaFil-Duo® becomes the UK's most environmentally friendly chemical system when combined with SolidTek® solid paste stick chemicals, which are more compact and lightweight than liquid chemicals, come in fully recyclable packaging, and are made in the UK.

They save money on storage and transport costs, lessen H&S concerns (no heavy lifting!), and are really easy to dose - just pop them in to the DosaFil® device and go.

DosaFil® is an official distributor of SolidTek solid paste chemicals, stocking the full range for immediate dispatch.

Products available include:

- Range of Inhibitors (including CL-BC-S inhibitor which has achieved NSF International CIAS (formally known as BuildCert) certification
- On-line cleaners
- Biocides

Additional Services by DosaFil®

Get ahead of the game and get a system health check for your heating systems

It's 5 simple Steps:

- You receive a sample kit through the post from us
- Follow the instructions provided and fill each sample bottle with a small amount of system water
- Place the samples in the pre-paid postal bag and pop it into your nearest post box
- Once received, the water sample is analysed by our partner laboratory and a report is produced
- DosaFil® will then provide you with a full, unbiased report and offer recommendations (based on the analysis report) on how to improve system protection and performance

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