DosaFil-Duo® Nano+PV

Data Sheets

DosaFil-Duo

0345 604 0405
hello@dosafil.co.uk
dosafil.co.uk

DosaFil-Duo® Nano+PV
Contents

Introduction 1

General Data 2

Filtration Performance 3

Dimensional Details & Suggested Installation Configuration 4

Further Information 5

DosaFil-Duo®
Introduction

Frustrated with traditional water treatment? So were we. That's why we created DosaFil-Duo®, a unique and patented range of innovative devices that enable complete online cleaning, protection and maintenance of closed loop heating and cooling systems.

Safer, easier and more environmentally-friendly than traditional water treatment methods, DosaFil-Duo® prevents scale, corrosion and fouling in closed recirculating systems by combining high performance side stream filtration with constant air removal and safe chemical dosing of both liquid and solid chemicals. The magnet-free design features smart monitoring to notify users of required filter bag changes for seriously easy maintenance, whilst BMS is built in as standard.

DosaFil-Duo® standard operating pressure and temperature ranges are unmatched in the market today, meaning more systems than ever can be efficiently operated and maintained in line with the guidelines detailed BSRIA BG29 & BG50.

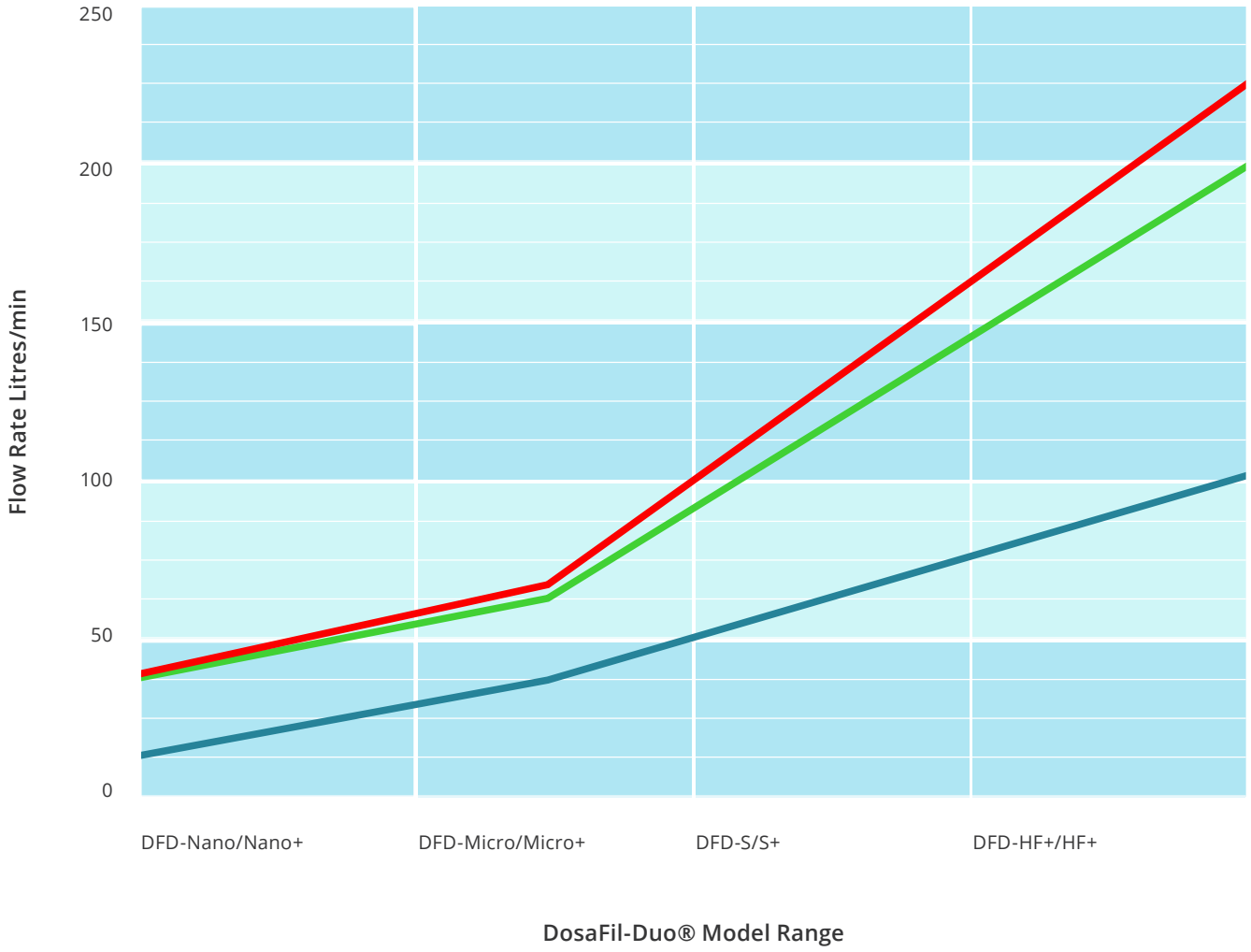
DosaFil-Duo® Nano+PV
General Data

Feature	DosaFil-Duo Nano+
Vessel Test Pressure	15 Bar
Maximum Operating Pressure	10 Bar
Vessel PED Certification (PD 5500:2021 Category 3)	CE
Inlet/Outlet Connection Size	0.75" BSPTF
Designed, Fabricated & Assembled in the UK	YES
Vessel Materials of Construction	304 Stainless Steel
Vessel Mounting	Backboard Mounted
Filtration Range	50,25,10,5,1,0.5µm
Minimum Fluid Operating Temperature (all components)	5˚C
Maximum Fluid Operating Temperature (all components)	90˚C
Maximum Flow Rate**	30.5 l/min
Maximum System Volume*	5,000 lt
Solid Chemical Dosing Capability	YES
Liquid Chemical Dosing Capacity	2.5lt
System Standard Warranty	5 Years
Automatic Air Vent Fitted as Standard	YES
Automatic Air Vent Standard Warranty	20 Years
Pressure Gauge Fitted as Standard	YES 10bar
Vessel Drain/Clean Water Sample Point Fitted as Standard	YES
Integrated Coalescing Assembly Using Proven Technology	YES
Custom Insulated Vessel Jacket Supplied	YES
DP Sensors with Local Audible & Visual Alarms Fitted as Standard	YES
DP Controller Power Supply Requirements	240v 13amp
DP Control Voltage	24v
DP Controller Enclosure IP Rating	IP65
BMS Outputs on DP Alarms Fitted as Standard	2 x VFC
Base Plate & Pipework Material	Stainless Steel 304 & 316
Pump Supply Voltage	240v/1p/50hz
Pump Manufacturer & Model	Grundfos Magna 3
Pump Type	high-efficiency circulator pump with smart control
Pump Design Flow & Factory Preset	0.2m^3/hr @ 1bar delivery
Weight Empty (kg)	22.5kg
Operating Weight (kg)	26kg
Dimensions (L x D x H) (mm) (D = distance unit protrudes from wall mounting)	710 x 300 x 550
Dimensions (L x W x H) (mm)	x

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

DosaFil-Duo® Nano+PV

Filtration Performance

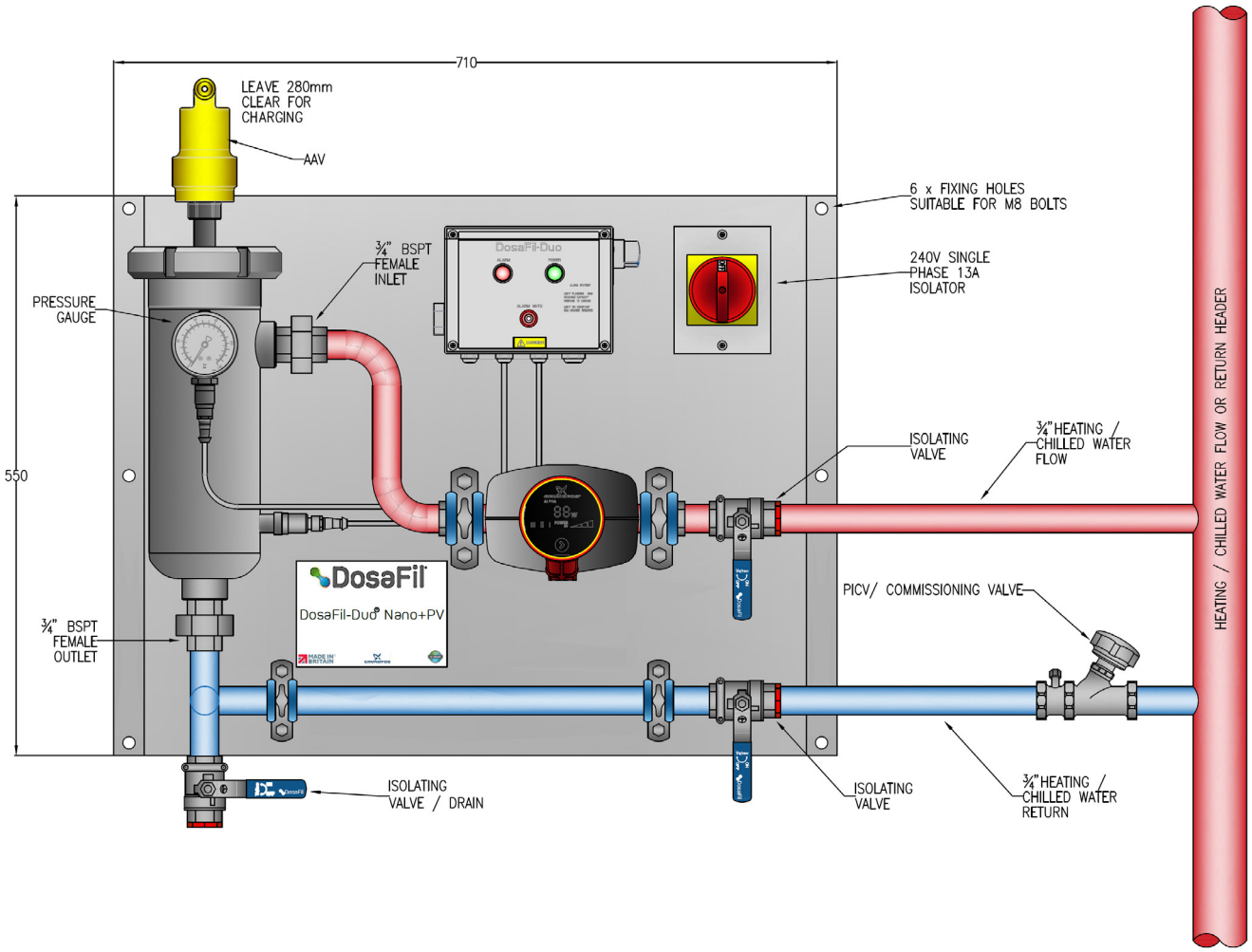


DosaFil-Duo® Model Range

- **0.5 - 1µm**
- **5 - 10µm**
- **25 - 50µm**

DosaFil-Duo® Nano+PV

Dimensional Details & Suggested Installation Configuration

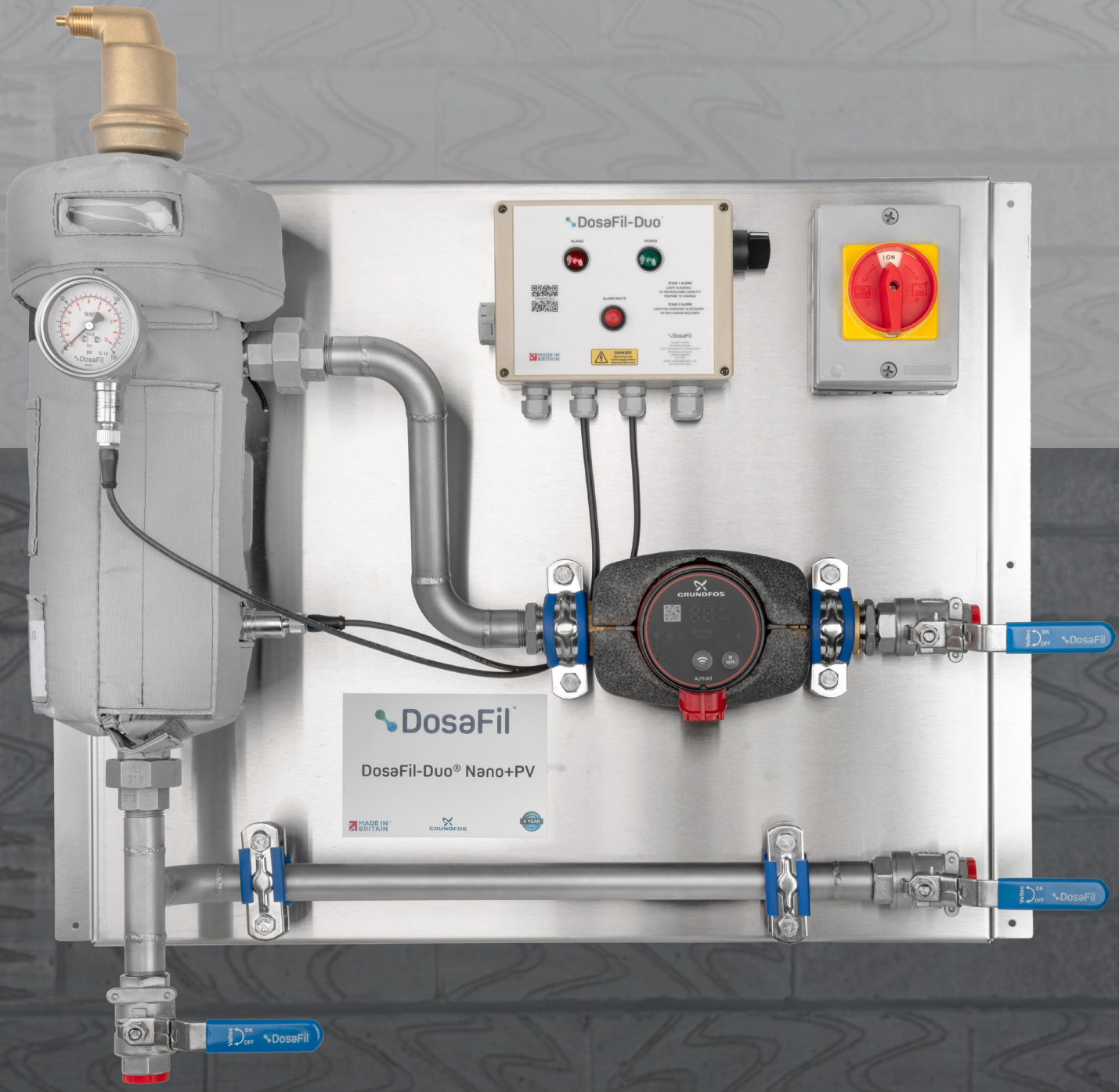


SUGGESTED INSTALLATION CONFIGURATION (1:5)

DosaFil-Duo® Nano+PV
Further Information

Key Features of the DosaFil-Duo®

- The only device to combine safe dosing of solid or liquid treatment chemicals with constant side stream filtration and continuous air removal.
- Unmatched standard operating pressure and temperature ranges
- Suitable for use with any brand of chemical treatment
- Enables online remediation of fouled systems.
- Fast: isolate, open & change a filter bag in under five minutes
- Smart monitoring notifies users when filter bags need changing.
- Communication options for BMS built-in as standard
- Fully insulated jacket prevents heat loss.
- Designed & Manufactured in Britain


DosaFil-Duo
DosaFil
DosaFil-Duo® Nano+PV
MADE IN BRITAIN
GRUNDFOS
DosaFil

Easy. Safe. Fast.
DosaFil® makes water treatment what it should be.