# DosaFil-Duo® S+

## Data Sheets

DosaFil-Duo

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

# DosaFil-Duo® S+
## Contents

Introduction ..... 1

General Data ..... 2

Filtration Performance ..... 3

Dimensional Details ..... 4

Suggested Installation Configuration ..... 5

Further Information ..... 6

# **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.

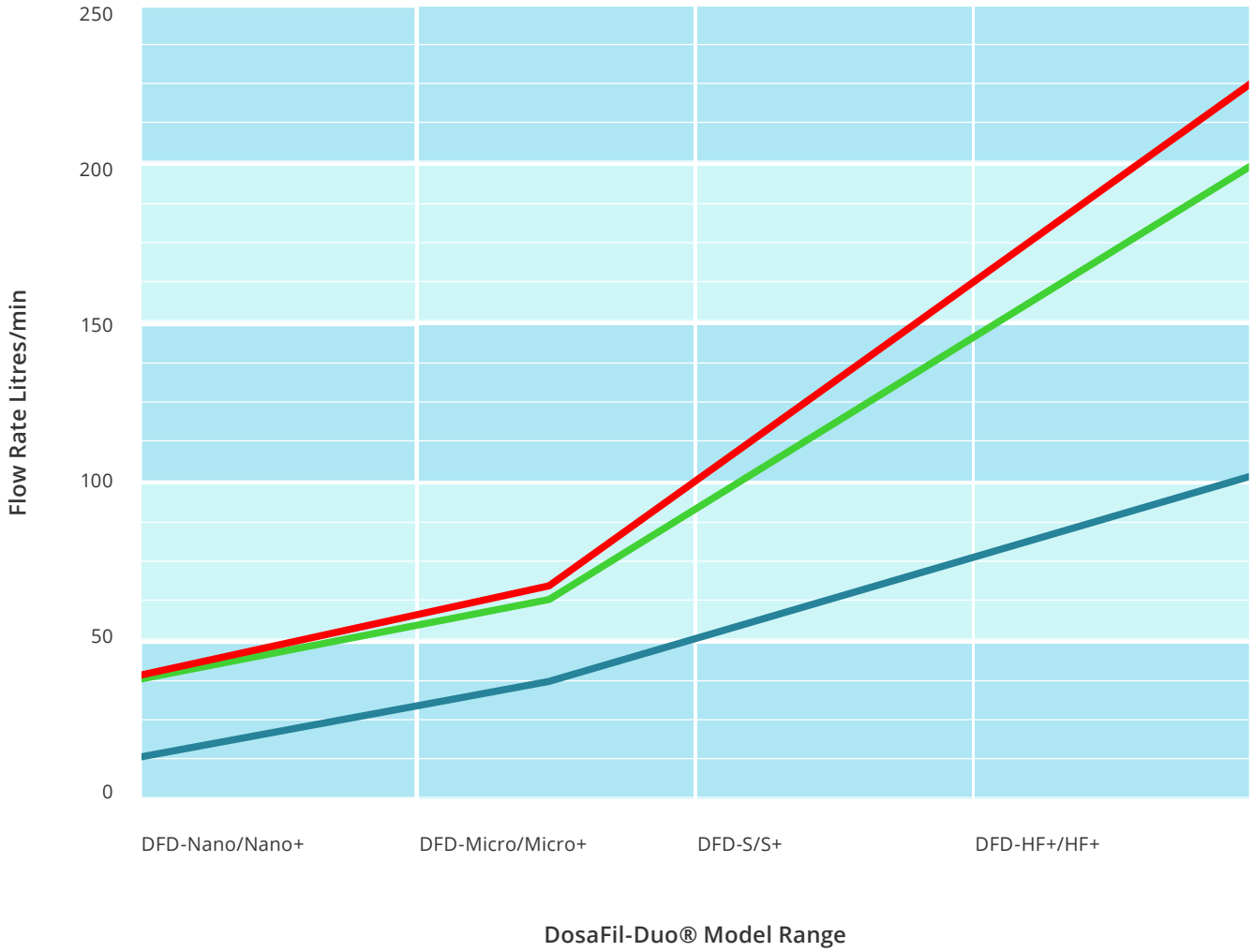
DosaFil-Duo® standard operating pressure and temperature ranges are unmatched in the market today, meaning more systems than ever can be efficiently operated and maintained in line with the guidelines detailed BSRIA BG29 & BG50.

# DosaFil-Duo® S+
## General Data

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

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

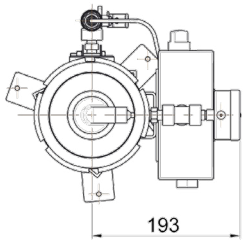
# DosaFil-Duo® S+
## Filtration Performance



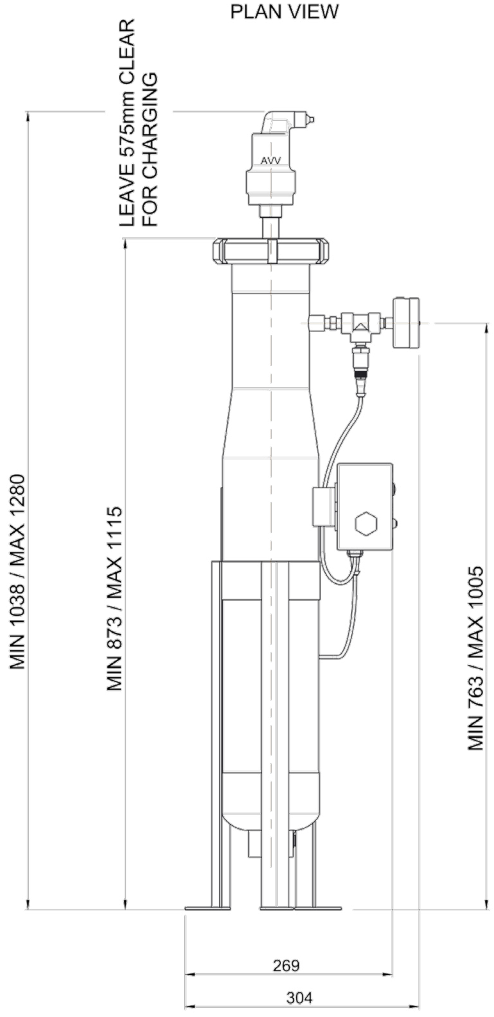

**DosaFil-Duo® Model Range**

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

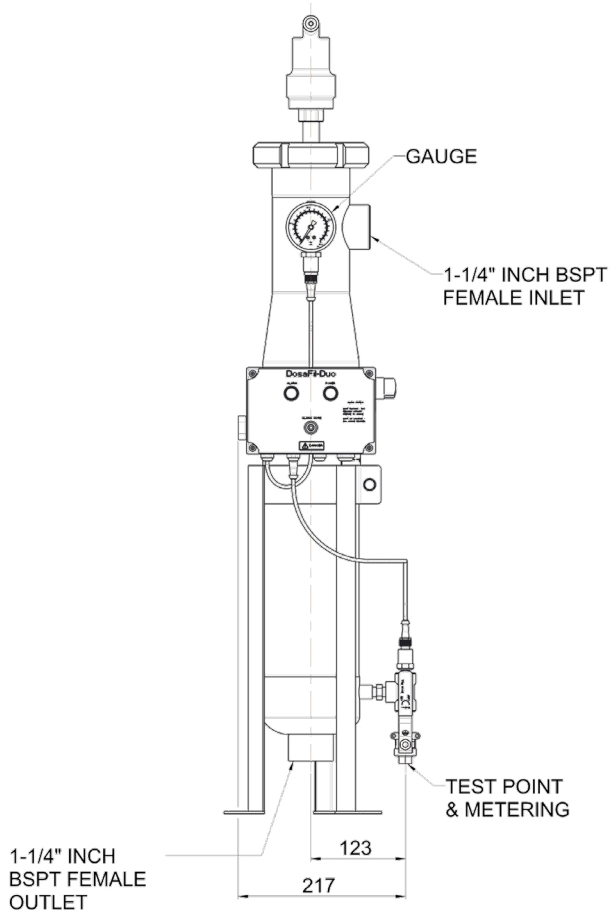
# DosaFil-Duo® S+
## Dimensional Details




PLAN VIEW



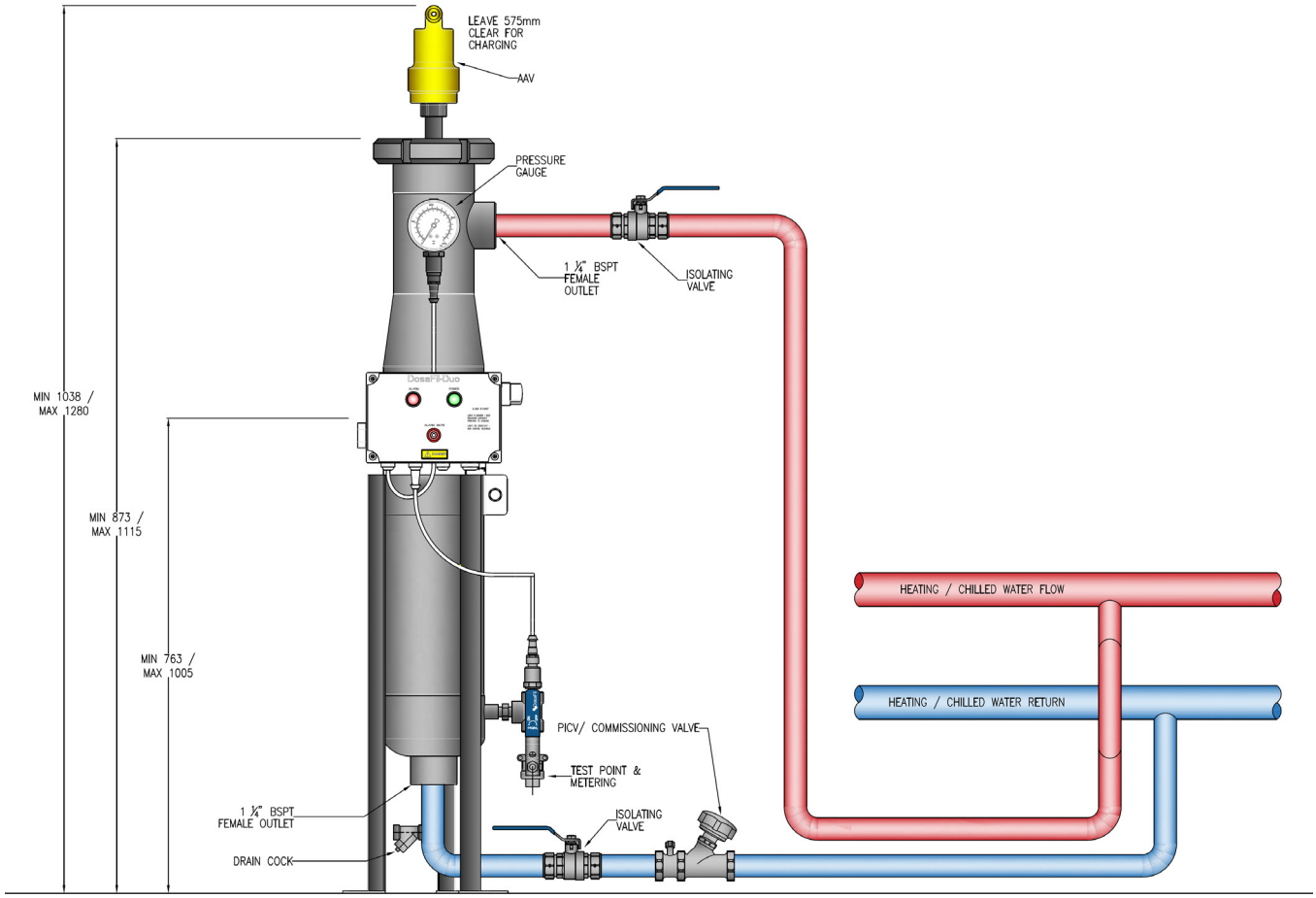

SIDE VIEW




FRONT VIEW

# DosaFil-Duo® S+

## Suggested Installation Configuration




SUGGESTED INSTALLATION CONFIGURATION (1:5)

# DosaFil-Duo® S+
## 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
ALARM
POWER
ALARM MUTE
MADE IN BRITAIN
DANGER
DosaFil

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