



## *FlexFiller Direct G4*

- WRAS & KIWA Approved
- Digital system pressure maintenance
- Advanced system health monitor
- Backflow prevention Category 3 (equivalent 4)
- State-of-Art Controller

*\* 2 years standard manufacturers warranty, extended to 5 years with Flamco servicing*



Headquarters Flamco Group / Aalberts hydronic flow control in Almere (NL) rated BREEAM Outstanding

## FlexFiller Direct G4: Top-up pressurisation unit for light commercial and large domestic applications

The FlexFiller Direct G4 is our latest and most advanced pressurisation unit. This pumpless unit provides top-up for sealed heating and cooling systems using the available pressure from the water mains or a boosted cold water supply.

Intelligent microprocessor control, with self learning functionality and easy read display.



### Introduction

The Flamco Group is a member of the Aalberts N.V. and have since 1956 been involved in the development, production and sale of high-quality components for use in HVAC systems. In more than 70 countries we offer successful, innovative solutions for residential and commercial buildings and sustainable energy. Together with our sister company Comap we are Aalberts hydronic flow control. We provide all installation components **from Source to Emitter**.

### Our range consists of:

- Expansion vessels, pressurisation and refill automats
- Heat Interface Units, Substations for district heating
- Safety valves, pressure gauges and connection groups
- Equipment for deaeration and dirt separation
- Rail, clips, brackets and other mounting material for installing and hanging pipes
- Surface Heating and Cooling Solutions



### Features:

- Digitalised backflow prevention
- Easy to use controller
- Advanced system health monitor
- Leak detection & shut off
- MODBUS RTU and BACnet Communication Protocol via RS485
- Can be combined with Flamconnect Remote Service \*

### Benefits:

- ➔ No RPZ valve required
- ➔ Plug and play, less time during install
- ➔ Preventative maintenance indicator
- ➔ Saves water, protecting the water mains supply
- ➔ Enhanced data capture and communication
- ➔ 24/7 remote monitoring, remote diagnostics and event logging, fewer nuisance call outs

### Flamconnect Remote Service



The FlexFiller Direct G4 can be combined with **Flamconnect Remote Service\***, the digital dashboard for installers and building managers enabling more efficient service and maintenance.

For more info scan the QR code!



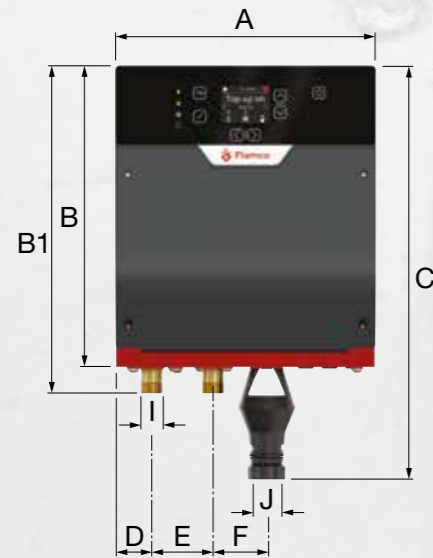
\* Please check with your local sales office for availability

### Product specifications

- Quiet pumpless pressurisation unit
- Digitally controlled 'first fill' of systems
- Fluid Protection Category 3 (equivalent 4) back-flow prevention
- Service reminder (12 months)
- Password protected
- Pressure setting in 0.1 bar increments
- Runtime limiter and separate excessive activation alarm for flood protection
- Fully programmable volt free contact: Common alarm (N/C or N/O)
- Intelligent data acquisition
- Microprocessor control, self-learning with graphical display
- Connects directly to the mains or a suitable boosted cold water mains supply
- No RPZ valve is required

### Technical data

Connection:	Flexible hose 15 mm (compression)
• Cold water inlet	
• System outlet	
Drain (via tundish) *	• 22mm compression • 32mm PP push fit • 32mm PP solvent weld
Max. inlet pressure	6.0 bar
Max. delivery pressure	5.7 bar **
Max. design pressure	10.0 bar
Protection class	IP44
Power consumption:	
• Stand-by	2.0 W
• Filling	19.4 W
Max. temperature at inlet	45° C
Max. temperature at outlet	90° C
Ambient temperature range	5 - 45° C
Relative humidity	60 - 70 % non-condensing
Max. flow rate (at 2 bar)	14 l/min
Supply voltage	110 V / 230 V
Frequency	50 Hz
Full load current	1 A
Fuse rating	5 A
Max load BMS relays	5 A



Included in box:  
2 flexible hoses (L = 400 mm)



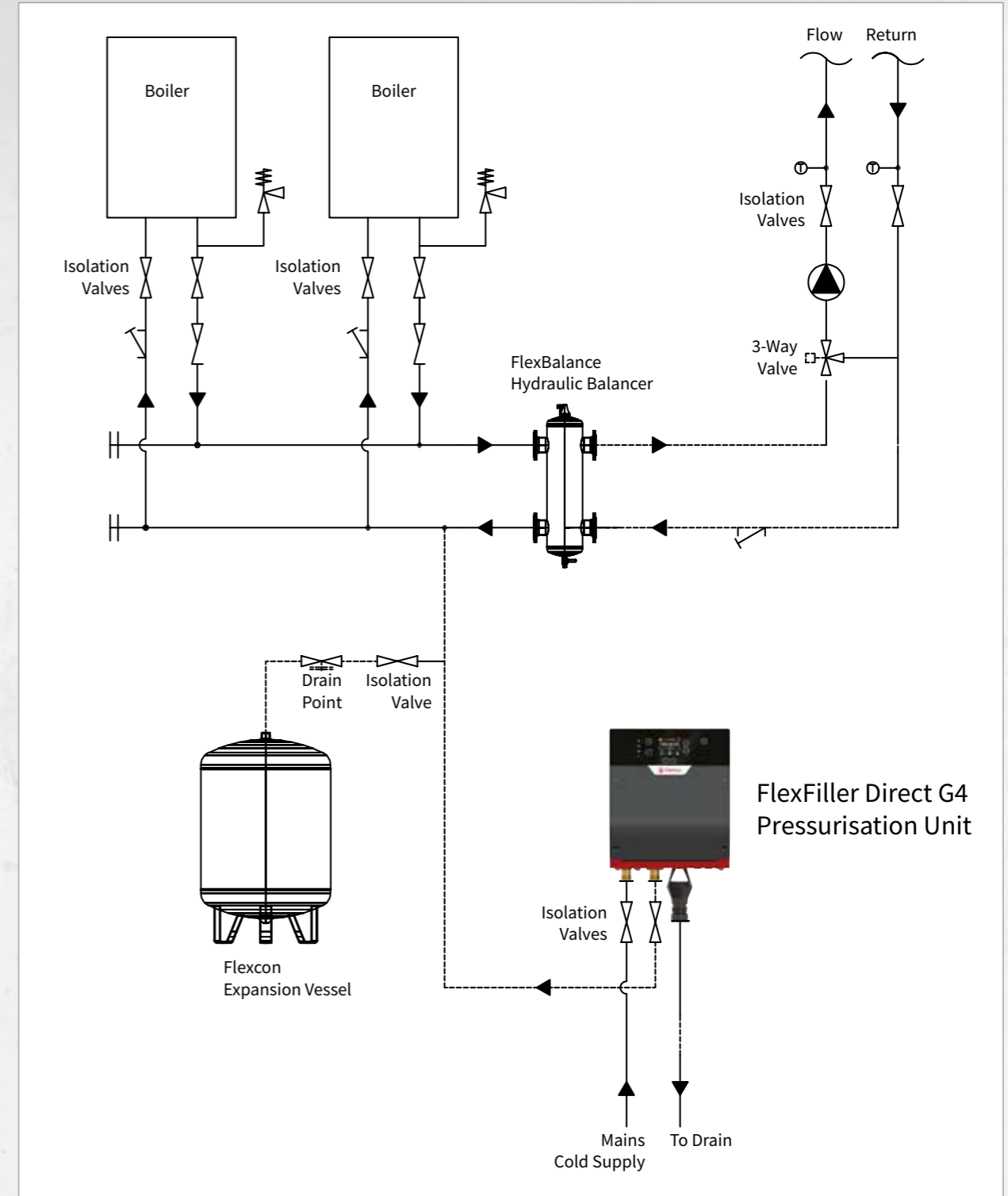
### Dimensions and Weight:

Dimensions [mm]											Weight [kg]	Part No.
A	B	B1	C	D	E	F	I	J	K	M		
225	262	284	359	32	53	46	1/2" BSP	22 / 32*	141	30	4	20100

\* Fits 22 mm copper compression, 32 mm PP discharge pipe or 32 mm PP solvent weld according to BS 5254 or BS EN1451.

\*\* Subject to system conditions; Max cold fill pressure equals Max inlet pressure minus 0.3 bar venting allowance.

### System schematic \*



\* Example only

Scan here to visit our website  
[flamcogroup.com/FlexFiller-G4](http://flamcogroup.com/FlexFiller-G4)



Scan here for BIM models and  
 more information about  
 FlexFiller Direct G4



## Complementary products

Flamco offers a complete range of products from 'source to emitter' which includes a complete range of Expansion Vessels, Air Vents, Safety valves, Air & Dirt separators, Pump Groups,

Balancing Valves, Hydraulic Balancers, Hot Water Cylinders, System Conditioners and much more. For more information, please visit our website or contact your Flamco Account Manager.



*Flexcon Premium Expansion Vessels*



*Flexvent Automatic Air Vents*



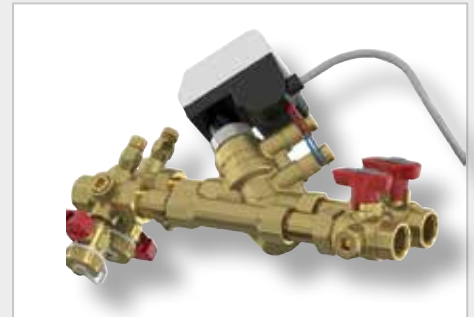
*Prescor Safety Valves*



*Flamco Smart / XStream Air- & Dirt Separators*



*MeiFlow Pump Groups*



*NexusValve Balancing Valves*



*FlexBalance Hydraulic Balancers*



*FlexTherm Thermal Energy Storage*



*Sentinel System Conditioners*

## **FlexFiller Direct G4** **Compact pumpless** **pressurisation unit**

[www.flamcogroup.com](http://www.flamcogroup.com)

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