

The next generation of Microprocessor Controlled Pressurisation Units from Grundfos.

Launched in 2005, the next generation of re-engineered **IMpress** pressurisation units from Grundfos Pumps Ltd. now offer you improved reliability.

These sets form part of the extensive portfolio of packaged pumps sets available from Grundfos and are suitable for use in a wide range of residential, commercial and industrial applications, where pressurisation of a system is required.

IMpress stands for Intelligent **M**icroprocessor **p**ressurisation set.

Units are ideal for use with both heating and chilled water systems and incorporate Grundfos CH2 30 and CH2 50 multi-stage centrifugal compact horizontal pumps that provide cold fill pressure up to 2.5 bar and 4.3 bar respectively. These low noise, highly efficient pumps are specifically developed for applications such as pressurisation.

Available in single and twin pump configurations in single phase – **IMpress**, **IMpress Advanced**, offer a surprisingly comprehensive range of features as standard. **IMpress** is available as a single or twin head set. This variant offers many features and controls (see table). **IMpress Advanced** is available as a single or twin head set. This variant offers the features and controls available as standard with IMpress plus additional features including the ability to communicate directly or remotely with a BMS system. All sets are cabinetted in a smart and robust black metal casing.



IMpress Family Information

IMpress	IMpress	IMpress	IMpress
1 pump	1 pump	2 pumps	2 pumps
CH2-30	CH2-50	CH2-30	CH2-50
1 phase	1 phase	1 phase	1 phase
Product Code: IMMS2301	Product Code: IMMS2501	Product Code: IMDS2301	Product Code: IMDS2501
Weight: 46kgs	Weight: 46kgs	Weight: 61kgs	Weight: 61kgs

IMpress Family Dimensions: 450(W) x 480(D) x 800(H) mm

IMpress Advanced Family Information

IMpress Advanced	IMpress Advanced	IMpress Advanced	IMpress Advanced
1 pump	1 pump	2 pumps	2 pumps
CH2-30	CH2-50	CH2-30	CH2-50
1 phase	1 phase	1 phase	1 phase
Product Code: IMMA2301	Product Code: IMMA2501	Product Code: IMDA2301	Product Code: IMDA2501
Weight: 46kgs	Weight: 46kgs	Weight: 61kgs	Weight: 61kgs

IMpress Advanced Family Dimensions: 450(W) x 480(D) x 800(H) mm

FEATURES

These are some of the wide range of comprehensive features available:

	<i>IMpress</i>	<i>IMpress Advanced</i>
• <i>Microprocessor Controller</i>	•	•
• <i>Single or Twin Pump versions</i>	•	•
• <i>Touch Screen Display</i>	•	•
• <i>Audible Alarm</i>	•	•
• <i>Low Break Tank Water Level</i>	•	•
• <i>Multiple Alarms</i>	•	•
• <i>Volt Free Contact(s)</i>	2*	10**
• <i>Automatic Pump-Test</i>	•	•
• <i>Thermal Overload and Circuit Breaker Protection</i>	•	•

* Standard VFCs include: Common alarm, High-flow pressure, Pump A run, Pump B run.

** Advanced VFCs include: Pressure low, Pressure high, Water low, System leak, Pump A fault, Pump B fault, Service due, System healthy (Common alarm), Pump A run, Pump B run.

PUMP ELECTRICAL DATA

All IMpress variants

PUMP	PHASE	INPUT	FLC	START
CH2-30	1ph	480	2.3	10.5
CH2-50	1ph	680	2.9	10.5

Voltage: 220-240v/1ph/50Hz

Capacitor Size: 10uF/400 V

Enclosure Class: IP54

Insulation Class: F

MAXIMUM OPERATING CONDITIONS

The IMpress range have been designed to operate at:

Liquid temperature range: +3 to +90°C

Ambient temperature: up to +40°C

Relative Humidity: up to 95%

Maximum operating pressure: 6 bar

Recommended /maximum start/stops per hour: 20-30

CONNECTIONS

Mains supply cable length	4m
Cold water supply connection:	½ BSP Male
Overflow connection:	¾ " BSP Male
System water connection :	15mm compression

PRODUCT SPECIFICATION

Microprocessor controlled.

10 bar pressure transducer.

240v/1ph/50Hz

Digital pressure with 0.1 bar resolution.

CE marked.

DIMENSIONS

450(W) x 480(D) 800(H) mm - IMpress / IMpress Advanced.

CONTACT US

Commercial Building Services

Leigh Office

Tel: 01942 263600

Livingston Office

Tel: 01506 461666

Fax: 01942 605970

Fax: 01506 461555

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