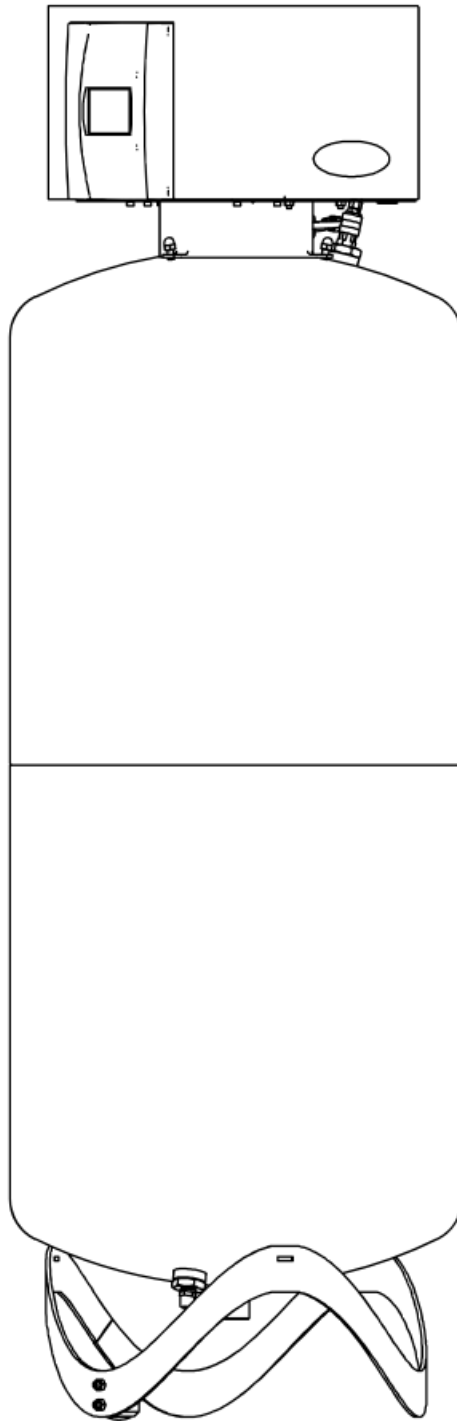


IMI Hydronic Engineering WCMOIN0004 Connect F Transfero Vento Pleno DML Refill Instruction Manual

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IMI PNEUMATEX
Engineering WCMOIN0004 Connect F
Transfero Vento Pleno DML Refill
Instruction Manual

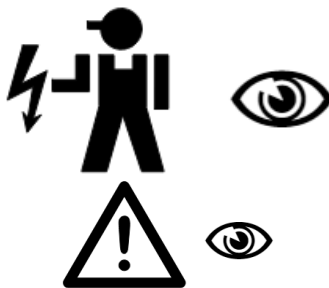


WCMOIN0004 11.2022
Compressor Connect F INSTALL

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WCMOIN0004 Connect F Transfero Vento Pleno DML Refill



SAFETY – INSPECTION

Personnel

Installing and operating personnel must possess the appropriate knowledge and training. The operator is responsible for the personal protective equipment of the personnel. At least safety glasses and safety shoes are required for repair

work, maintenance inspections and installation.

Follow the instructions

Installation, operation, maintenance and disassembly must be carried out as stated and showed in the different instruction manuals that are an integral part of the delivery and in accordance with best practice. In addition to the IMI Hydronic Engineering instructions, additional instructions from other companies may be included for the components used (e.g. backflow preventers)

You must follow these instructions in the same way as the IMI Hydronic Engineering instructions.

If anything is unclear, please contact IMI Hydronic Engineering customer service.

Tests before commissioning and periodic inspections

Test required before commissioning and periodic inspections must be performed according to the regulations in the country where the device is installed and operated. The organization of the tests is the responsibility of the operator. There are no standardised international regulations for the acceptance test prior to commissioning and periodic inspections. According to the PED, it is usually the vessels that determine how the installation is classified. These are CE type- tested in accordance with Pressure Equipment Directive PED/2014/68/EU. For periodic inspections, openings are provided for flange-type or endoscope inspections.

Compressor, Transfero, Vento, Pleno control units (Tec Box) are classified as electrical equipment. Regular tests must be carried out at least every 4 years. Local regulations may demand shorter periods and must be observed.

In Switzerland, Compresso does not require authorisation from the SVTI if the installation is protected in such a way that psh is not exceeded. Vessels with psh x V up to 3000 bar*litres do not require inspection by the SVTI.

The following combinations with TecBox are recommended:

Primary vessel (2)	
≤	1000 litres
≤	800 litres
≤	700 litres
≤	600 litres
≤	500 litres
≤	300 litres

TecBox safety valve (SV)

C 10	C15
3 bar	on request
3.75 bar	on request
4.2 bar	on request
5 bar	on request
6 bar	6 bar
–	10 bar

For transferor as many extension vessels as required can be connected to the primary vessel. The CE-approved 2 bar safety valve protects the vessels from inadmissible pressures. In Switzerland, SVTI inspection is not required for these

types of vessels.

Backflow preventer BA: Perform inspection and maintenance in accordance with EN 1717 and the rules in the operator country. Functional testing, with documentation, must normally be carried out annually Dirt trap (SF): Inspect and clean if necessary after a drop in the water make-up capacity or before functional testing of the backflow preventer BA. W recommend including the Pleno P / P R / P CR / BA4R in the maintenance cycle of the connected pressure- maintaining or degassing station. Follow the maintenance instructions for Refill softening modules. The Pleno R CR BA4R can work as an accessory in systems requiring technical inspections (Compresso | Transfero) and can be included as part of the inspection.#

Place of installation

The access to the place of installation must be restricted to trained and specialised personnel. The floor structure must be able to support the maximum operating and installation conditions. Connections for electricity, communication, mains water and waste water must correspond to the requirements of the device. The room must be thoroughly ventilated. The surrounding atmosphere must not be explosive. The gases discharged by Vento and Transfero through the degassing process may be flammable (CH₄ H₂) and must be safely removed to the outside air Do not store flammable, explosive materials near the pressure vessel. Pressurized containers (eg Compresso expansion vessels) must be protected against external fire, at least according to national regulations. Please note the geodetic height of the installation room: With Compresso, the pressure maintenance curve drops by 0.1 bar per 1000 meters above sea level. transferor must not be operated above 4000 m above sea level (risk of cavitation)!

Water quality

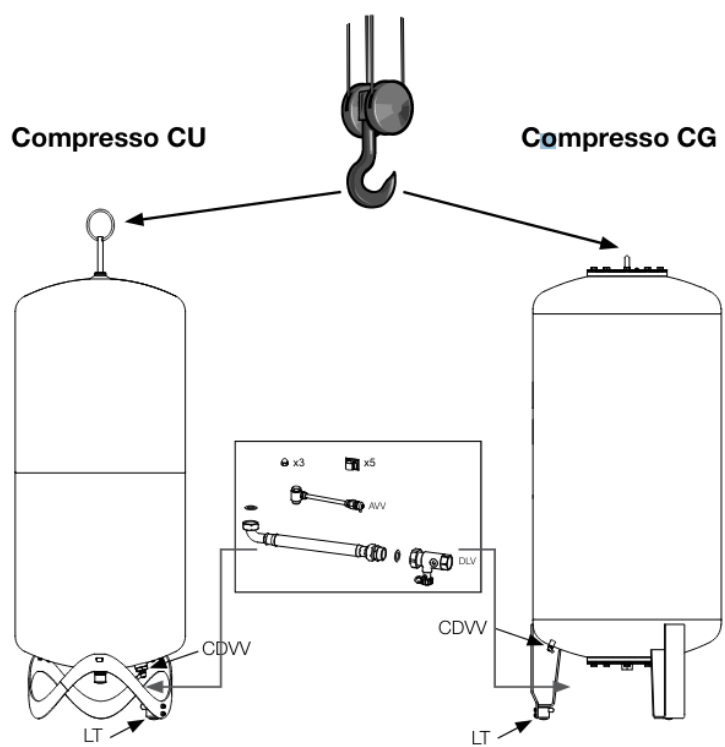
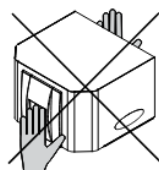
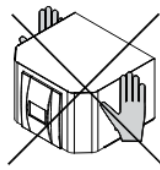
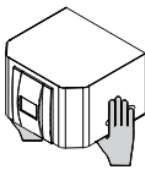
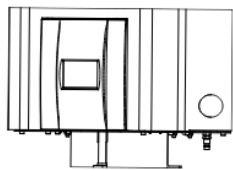
IMI Hydronic Engineering devices are designed for pressure maintenance, degassing, make-up and/or water treatment in closed heating, solar and cooling systems with water that contains no aggressive or toxic agents. The entire system must be dimensioned and operated in such a way as to minimise the amount of oxygen admitted through the make-up water or through permeable components. Water treatment systems are to be dimensioned, installed and operated according to the current state of the art.

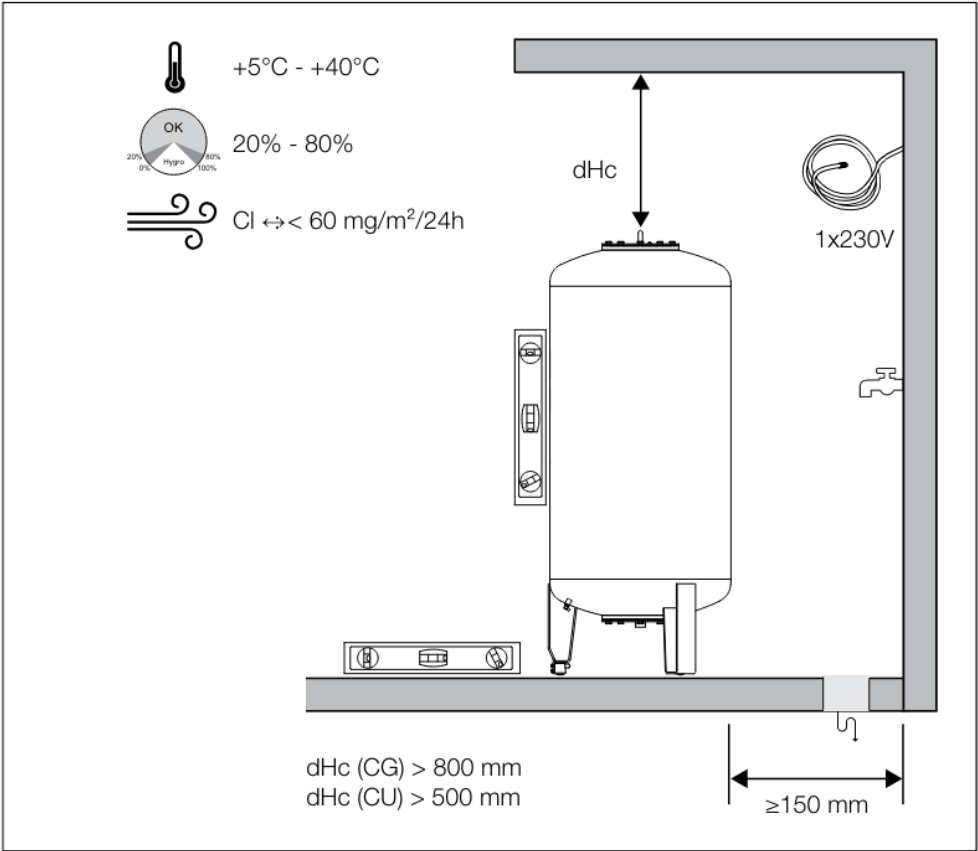
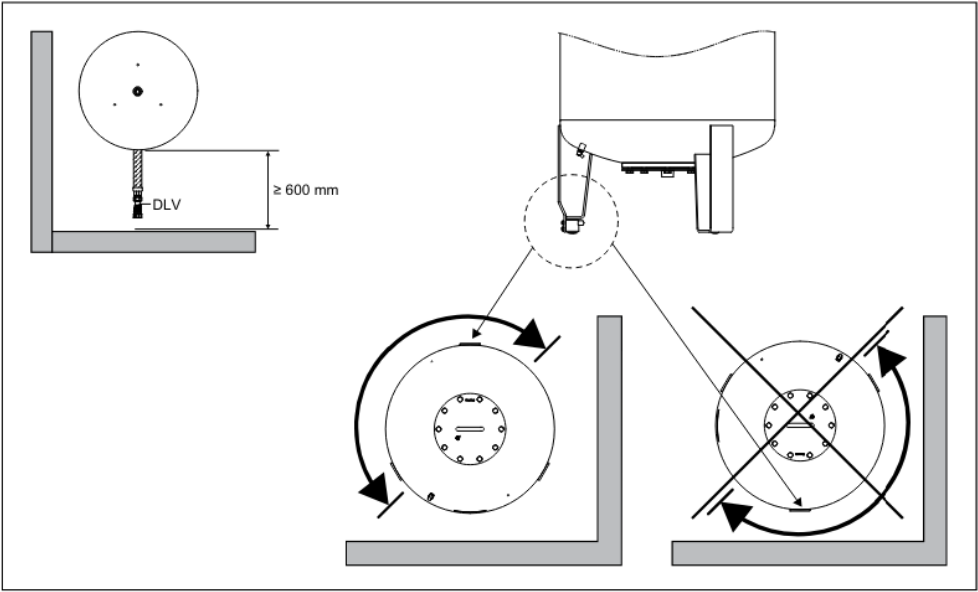
*) The original instructions are written in German (de). Documents in other languages are translations of the original instructions.

The texts, graphics and diagrams in this document may be subject to alteration without prior notice or reason being given. www.imi-hydronic.com

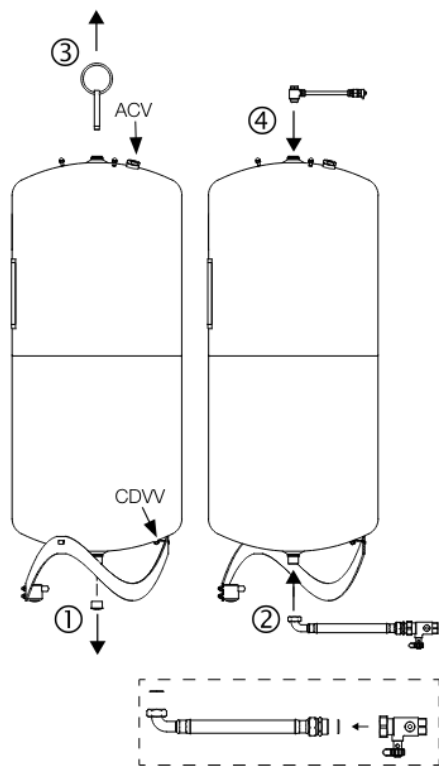


TecBox

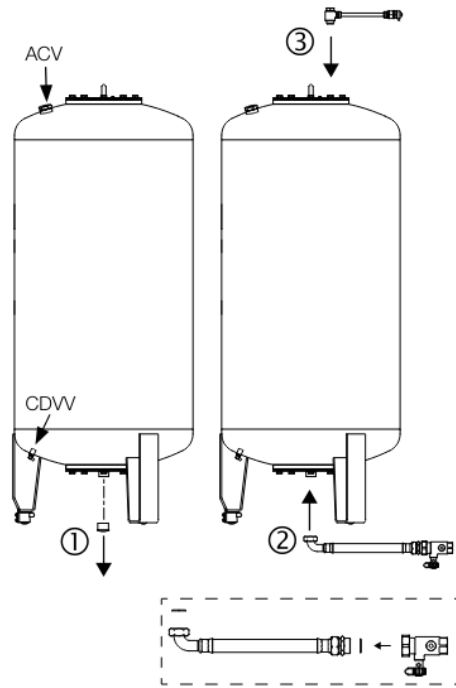





Compresso CU

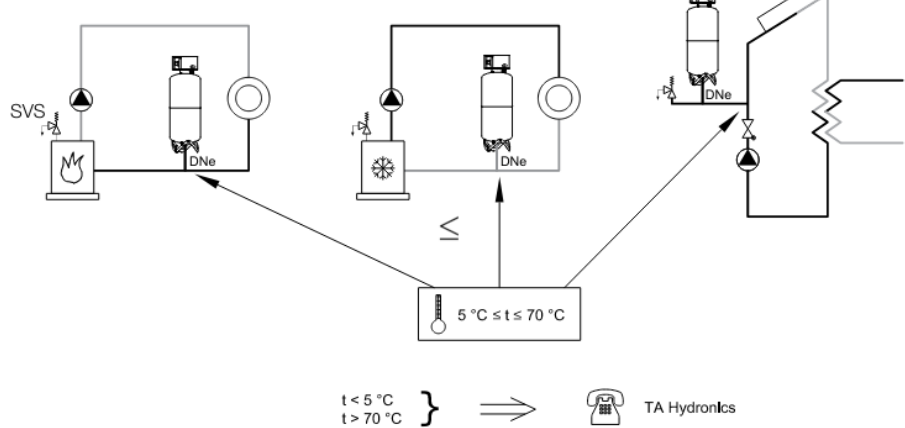


Compresso CG








DNe



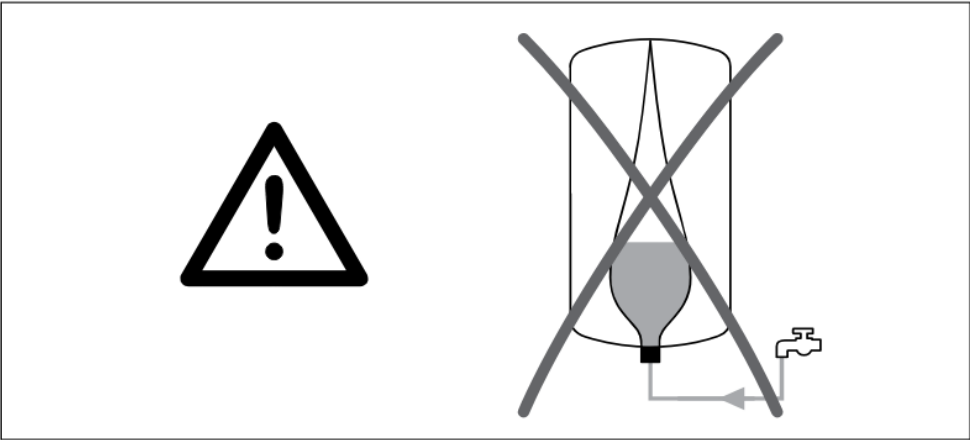
$t < 5\text{ °C}$
 $t > 70\text{ °C}$

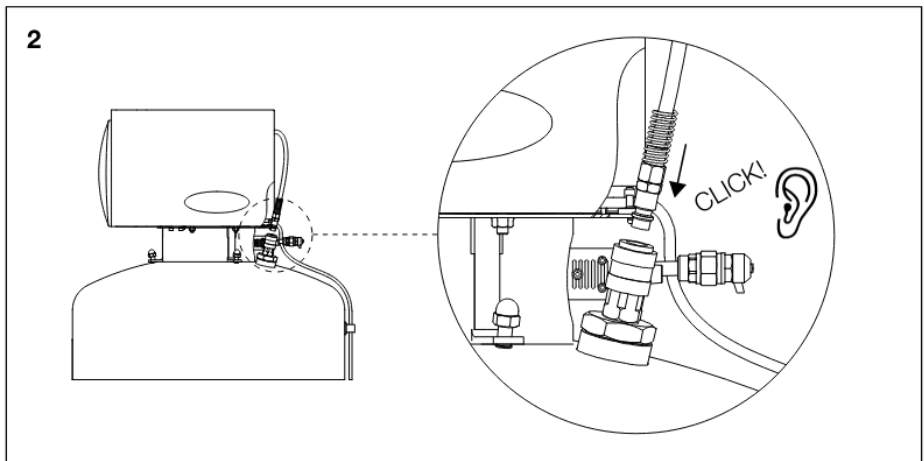
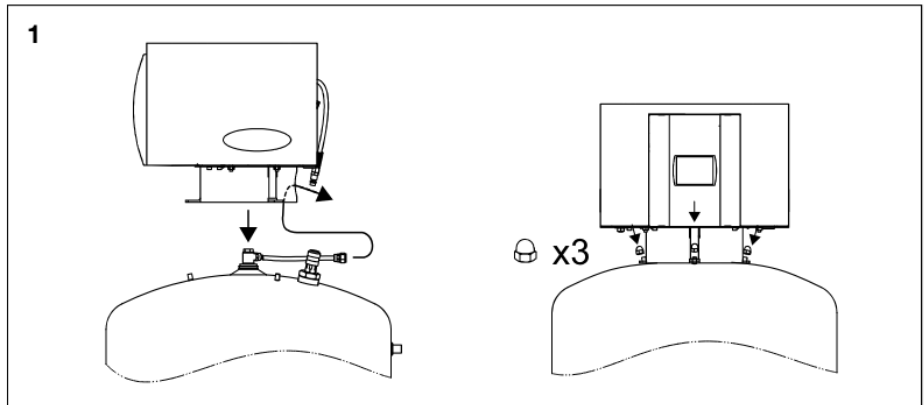
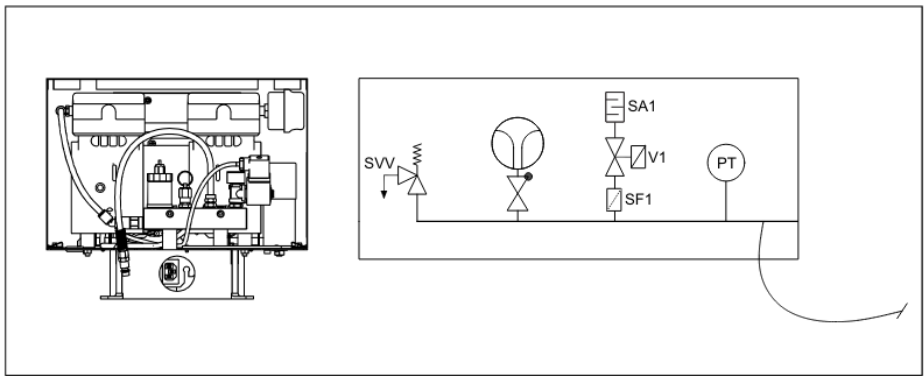
 TA Hydronics

DNe

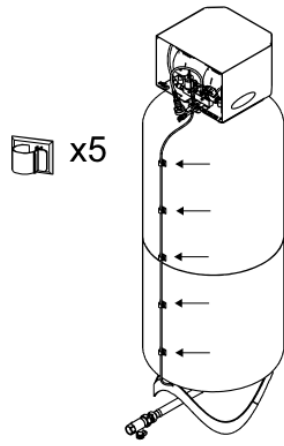
$\leq 30\text{ m}$	DNe	20	25	32
				
EN 12828	Q kW	1000	1700	3000
SWKI 93-1 *	Q kW	300	600	900
				
$t_{s,max} \leq 50\text{ °C}$	Q kW	1600	2700	5000

*) CH

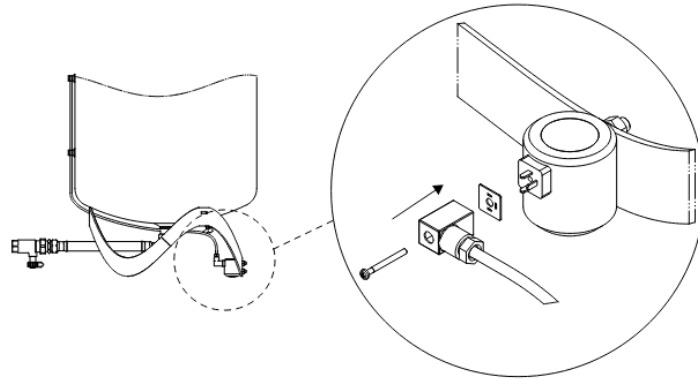


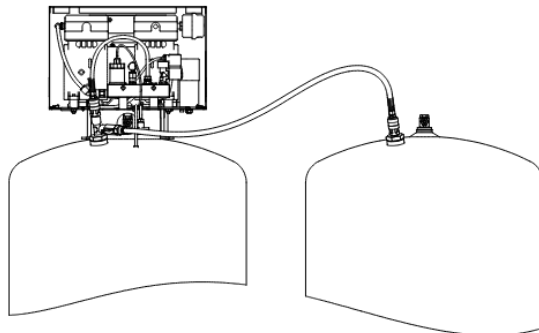
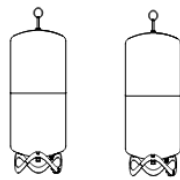


3



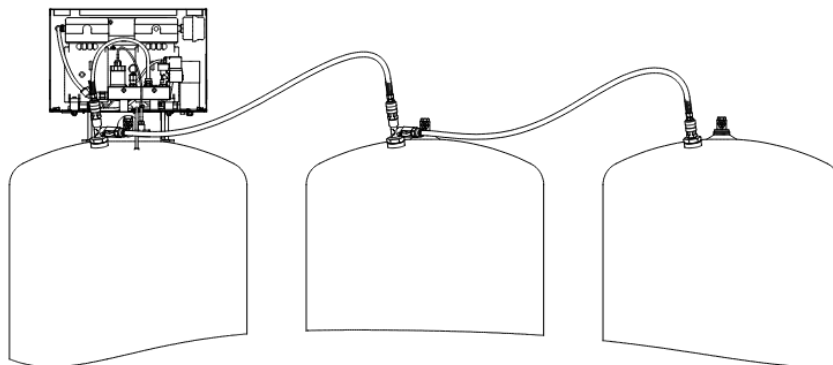
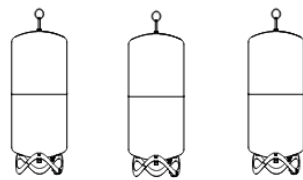
4





CU / CG

CUE / CGE



CU / CG

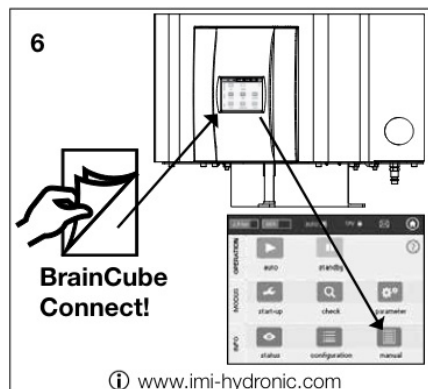
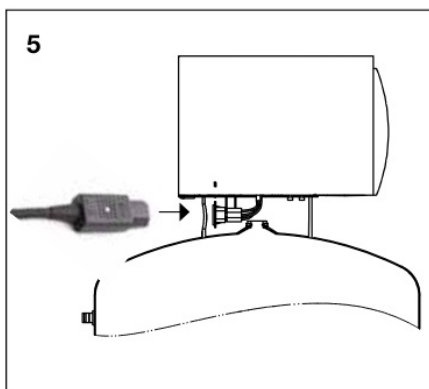
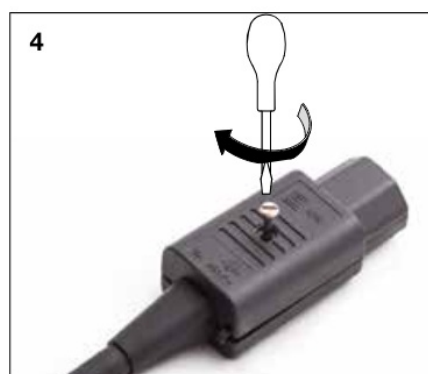
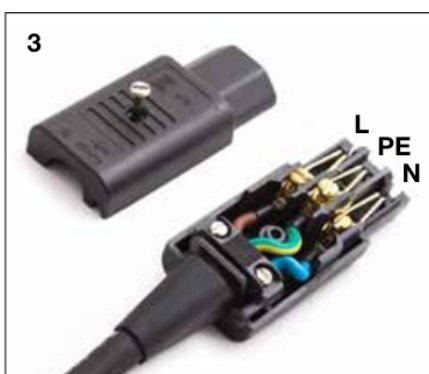
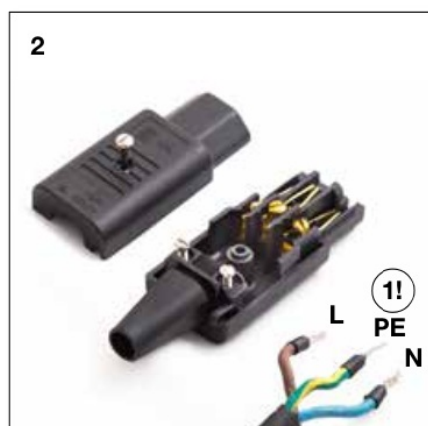
CUE / CGE

CUE / CGE

230V/50/60 Hz
10A / 3 x 1,0 mm²



#1-5



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Engineering


We reserve the right to introduce technical alterations without prior notice.

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Documents / Resources

	<p>IMI Hydronic Engineering WCMOIN0004 Connect F Transfero Vento Pleno DML Refill [pdf] Instruction Manual WCMOIN0004 Connect F Transfero Vento Pleno DML Refill, WCMOIN0004, Connect F Transfe ro Vento Pleno DML Refill, Transfero Vento Pleno DML Refill, Pleno DML Refill, DML Refill</p>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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