IMI

Climate Control

Our product brands:
IMI Pneumatex
IMI TA
IMI Heimeier

IMI Pneumatex

Optimising Pressurisation and Water Quality Efficiency



Breakthrough engineering for a better world



IMI Pneumatex: 110+ years of innovation

Founded in 1909 in Basel, Switzerland, IMI Pneumatex has been a true pioneer in the pressurization market, developing products that remain market-leading technologies to this day; including the first-ever closed expansion system that was built in 1955.

WATCH THE VIDEO

Learn more about IMI Pneumatex's products and solutions.

Customer-driven innovation

For over 110 years, IMI Pneumatex has never swayed from its belief that prevention is better than cure, which is why we strive to develop groundbreaking solutions and superior technologies that keep HVAC systems free of gas, dirt, and sludge, thus ensuring long service life, durability, and effective pressure control. However, innovation for innovation's sake is not what we're about. Everything we do is driven by real-world needs, and every solution we design is intended to help solve the challenges you face, be it space savings, energy efficiency or remote connectivity, bringing peace of mind for you and your customers.

A history in Innovation



2024
Zeparo Cyclone Max & Zeparo Aero
Working at any flows and pipe sizes

"The 'Swiss-made' stamp highlights the seriousness of the manufacturing and the attention paid to ensure the highest quality of the products."

Bruno Gebes, France



2022
Zeparo ZT Turnable



2021
Simply Vento & Vento Compact



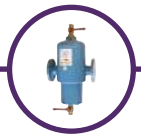
2017
Simply Compresso
Plug & play with pre-assembled compressor is launched.



2014
Zeparo Cyclone
Dirt separator with Cyclonic Technology



2015
BrainCube Connect
The 1st cloud connected control unit



2016
Zeparo G-Force
Separator with Cyclonic Technology for large flows



1965
Pneumatex-Automat
The 1st and still working compressor system

1972
Transfero
The 1st pump system

1995
Vento
The 1st vacuum degaser



The pressure maintenance product range

Our pressurization devices are made from the highest-grade materials in our state-of-the-art factories so you can expect quality, reliability and performance – whatever the application.

"IMI Pneumatex offers a series of vessels shapes and sizes that are practical, durable and suitable for any system's needs. Some of our partners have several old IMI Pneumatex installations from the 1980s that are still functioning perfectly."

Lajos Vágó, Hungary

System type	Fixed air cushion systems	Dynamic air cushion systems with compressors			Dynamic air cushion systems with pumps		
	One of the most popular and effective solutions in the **lower performance range** thanks to its brilliantly simple design, robust construction and operation without auxiliary power.	Ideal for **medium-sized applications** with heating systems where high precision and compactness are essential, optimal pressure is maintained by a compressor and overflow valve.			Predominantly designed for **medium-sized applications** where optimal pressure is maintained by a pump and overflow valve. Some of the products are suitable for **large-sized applications** from 40 Mw and even up to 160 Mw.		
							
Products	Statico SD, SU and SG	Simply Compresso	Compresso Connect F	Compresso Connect	Transfero TV Connect	Transfero TVI Connect	Transfero TI Connect
Volume	from 8L to 5000L	80L or 160L	from 200L to 800L	from 200L to 5000L	from 200L to 5000L	from 200L to 5000L	from 1000L to 5000L (bigger size upon request)
Pressure Class	3, 4, 6 or 10 bar	4 bar	4 or 6 bar	3-6 and 10 bar	10 or 13 bar	only 25 bar	10, 16 or 25 bar
EN Requirements	EN13831	EN12828 EN12976 EN12977	EN12828 EN12976 EN12977	EN12828 EN12976 EN12977	EN12828 EN12976 EN12977	EN12828 EN12976 EN12977	EN 12828 EN12952/12953 EN12976 EN12977
Heating Application	✓	✓	✓	✓	✓	✓	✓
Cooling Application	✓	✓*	✓	✓	✓	✓	✓
Solar Application	✓		✓	✓	✓	✓	✓
Butyl Bag	✓	✓	✓	✓	✓	✓	✓
BrainCube Connectivity		✓	✓	✓	✓	✓	✓
Integrated Cyclonic Vacuum Degassing					✓	✓	
Integrated Water Make-up		✓ (WM version)			✓	✓	

*with temperature protection



Why is pressurisation so important?

Effective pressurisation control is essential to ensure optimal system performance and protection of components to safeguard their lifespan.

Find out more on how temperature changes impact the pressure in the system and how our solutions compensate those changes to keep all elements of this system in a perfect shape for many decades to come.

WATCH THE VIDEO

Learn how pressurisation systems work.

The incompressible media contained in heating, solar and cooling water systems expands and contracts as temperatures fluctuate, leading to changes in volume.

When **temperature rises**, system media expands, pressure builds up and the subsequent strain on individual components can lead to rupture and failure.

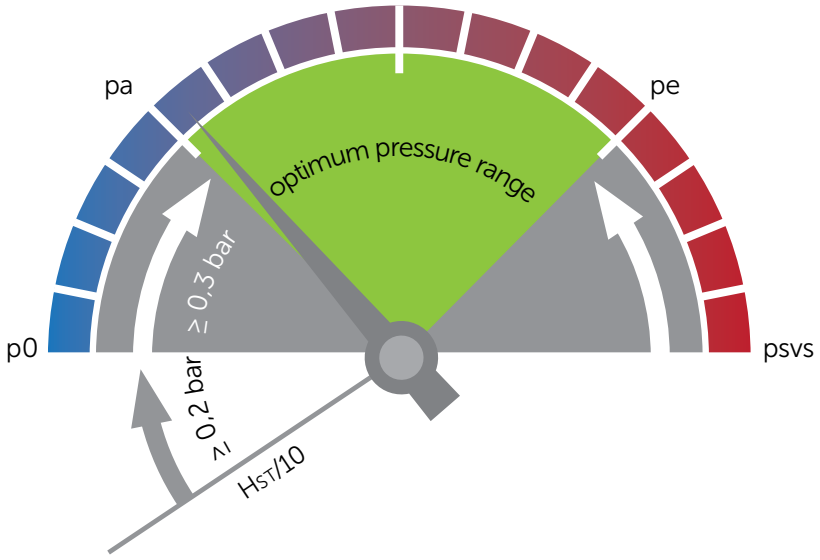
When **temperature decreases**, the volume reduces and the drop in pressure can lead to air intake that causes corrosion, the biggest enemy of water-based HVAC installations.

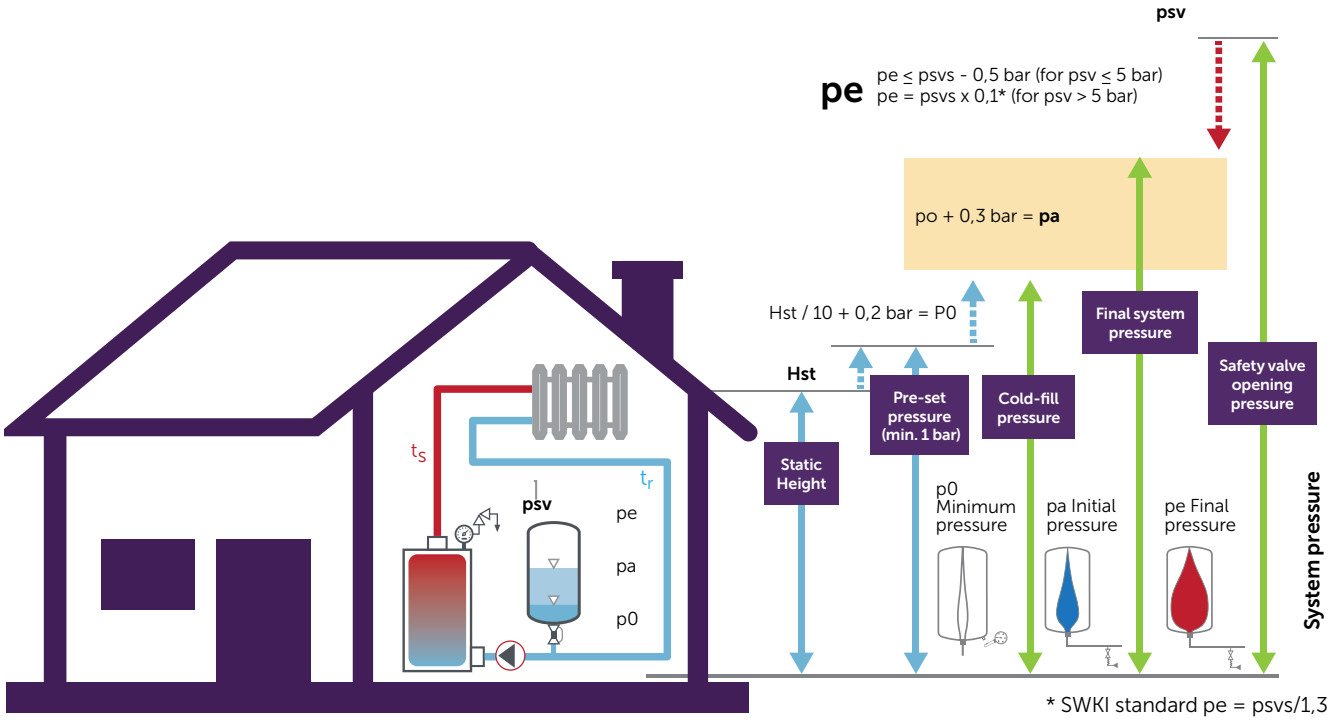
Therefore, **sub-optimal pressurisation can damage components like pumps, as well as causing leaks and corrosion that undermine performance and system longevity**.

This is why it is essential to invest in a high quality pressurisation system that is adapted to the specific needs of your application.

Our innovative and high-performing range of pressurisation solutions automatically compensate for changes in pressure caused by temperature fluctuations and consistently maintain optimal system pressure.

This will eliminate the aforementioned problems (leaks and corrosion) and will help protect system components to **deliver years of trouble-free, cost-effective HVAC performance**.





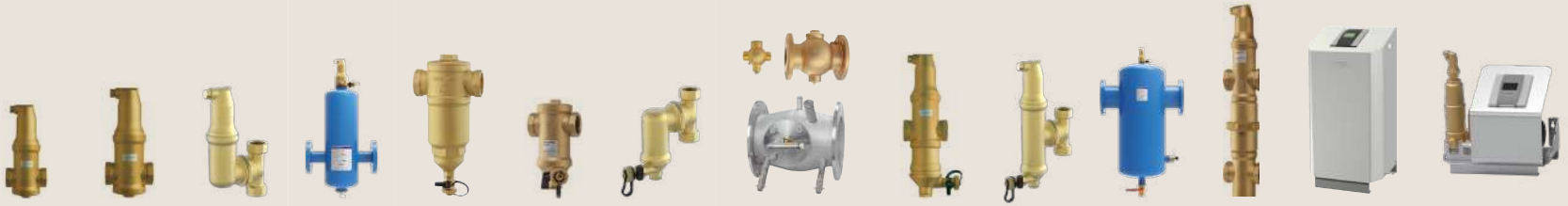


The water quality product range

Our water quality products have been designed to safeguard your systems health thanks to innovative engineering and high-quality materials. So you can fulfill any project requirement to the highest standards.

"The strong point about IMI Pneumatex is reliability: you don't have to worry about the product once it is installed."

Bruno Champmartin, France

Application	Air separation				Dirt Separation			Magnetite Separation	Air & Dirt separation				Vacuum Degassing	
Products														
Model	**Zeparo ZUV**	**Zeparo ZUVS**	**Zeparo ZTVI**	**Zeparo Aero**	**Zeparo Cyclone**	**Zeparo ZUM**	**Zeparo ZTMI**	**Ferro-Cleaner**	**Zeparo ZUKM**	**Zeparo Turnable**	**Zeparo Cyclone Max**	**Zeparo ZUCM**	**Vento**	**Simply Vento Vento compact**
SYSTEM APPLICATION														
Heating systems	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cooling systems	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Solar systems		✓		✓				✓			✓		✓	
TECHNOLOGIES USED														
Helistill	✓	✓		✓		✓	✓		✓	✓		✓		
Cyclone					✓						✓		✓	✓
360° rotation			✓				✓							
AVAILABLE ACCESSORIES														
Magnet					optional	✓	✓	✓	✓	✓	optional	✓		
Insulation	optional		✓	optional	optional	optional	✓		optional	✓	optional	optional	optional	
Insulation with magnet					optional									
PRESSURE														
	PN 10	PN 10	PN 10	PN 10	PN 10	PN 10	PN 10	PN 10/16	PN 10	PN 10	PN 10	PN 10	PN 10	PN 10

Overview in the IMI Pneumatex Separator portfolio

Magnet included



Why is air and dirt separation so important?

Managing the water quality inside your HVAC system through the removal of air and dirt is an effective way to extend the lifetime of critical system elements while optimizing system performance.

WATCH THE VIDEO

Learn more about different appearances of gas in liquid.

The benefits of good water quality management are:

- Reduced energy use
- Prolonged system service life
- Quiet operation
- No downtime

The quality of system water has a profound impact on the service life and efficiency of heating, solar, and cooling water systems. The nature and frequency of complaints may vary depending on the type and age of an installation, **but corrosion caused by air and sludge in the water circuit visibly accelerates wear in system components.**

This leads to recurrent complaints and expensive repairs, resulting in high costs and a growing sense of dissatisfaction among users and installers alike.

Reliable water quality in HVAC systems facilitates fault-free operation. The fewer impurities in the water circuit, the more stable the heat distribution.

This makes the entire system less prone to corrosion and minimises component failure rates as well. Efficient separation technology can optimise maintenance costs and prolong system service life. Flow noise, gurgling radiators and reduced heat output all become a thing of the past, and clogged fittings, valves and pumps, even leaks, can be prevented.

Our specialised production process means you can depend on quality, reliability and high performance – in every application.



Examples of system damage linked to water quality issues



Types of applications

From residential projects to large-scale commercial installations, IMI Pneumatex has the right solution for all your water quality and pressure maintenance needs.

An ideal water quality or pressurisation solution conforms to all specific requirements, whether for sizing, heating loads, or static pressure. This simple product selection chart below helps you determine which solution is most suitable for your project.

"The installation of a Pneumatex product is beneficial for the customer, the installer, and the designer alike."

Alvaro Blasco, Spain

	Products	Application Types								
										
		Small Residential	Multistory House	Hotel	Data Centre	Large Commercial Building	Hospital	Skyscraper	District Heating	Industrial Facilities
	Q / Power: 0 MW	15 KW	350 KW	3 MW		10 MW				160 MW
pressurisation	Statico	✓	✓	✓						
	Simply Compresso		✓	✓						
	Compresso Connect F		✓	✓						
	Compresso Connect			✓	✓	✓	✓			
	Transfero TV Connect		✓	✓	✓	✓	✓	✓		
	Transfero TVI Connect					✓	✓	✓	✓	✓
	Transfero TI Connect							✓	✓	✓
Water Quality	Zeparo ZUV, ZUVS, ZUD, ZUM, ZUKM, ZUCM, ZTVI, ZTMI, ZTKMI	✓	✓	✓						
	Zeparo Cyclone	✓	✓	✓						
	Zeparo Cyclone Max			✓	✓	✓	✓	✓	✓	✓
	Zeparo Aero			✓	✓	✓	✓	✓	✓	✓
	Ferro-Cleaner	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Simply Vento	✓	✓	✓						
	Vento Connect		✓	✓	✓	✓	✓	✓	✓	✓

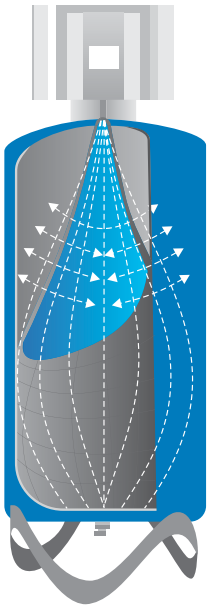
And remember, **our global sales team and engineering support staff** are always at your disposal with expert advice and know-how, helping you deliver high-performance HVAC installations.



The Butyl Bag

Pioneering performance technology for enhanced vessel performance.

The heart of expansion vessel is the key to its reliable performance. Our expansion vessels stand out due to their innovative design featuring a specialised bag. Unlike conventional membrane vessels, **our innovative design ensures that water never touches the metal walls of the vessel, thus guaranteeing superior durability and long-term performance.**



Our bag, made of butyl rubber, has the market's lowest air diffusion rate, surpassing any other comparable membrane material by 5 to 10 times. This feature ensures that the initial pressure remains unaffected, contributing to optimum performance over time. In contrast, most expansion vessels on the market use a membrane made of rubber that is **not based on butyl** and therefore less resistant to diffusion.

Additionally, the diffusion rate increases exponentially with rising temperature. Materials with already high diffusion rates quickly reach a noticeably significant diffusion. As a result, these vessels struggle to maintain the correct static pressure over time.

WATCH THE VIDEO

Learn about butyl bag outstanding resistance.

"We always use products equipped with the Butyl Bag because it delivers a standard of quality that is consistent with our company's philosophy"

René Savaris, Switzerland

The legendary diffusion-proof butyl bag in IMI Pneumatex vessels redefines quality standards.

Why our Butyl Bag stands out from the rest:

High-quality: Our vulcanised bags are constructed from top-quality butyl rubber with exceptional diffusion resistance, ensuring long-lasting performance.

Design optimisation: The two-fold attached butyl bag is designed for an approximate nominal volume, preventing over-expansion and minimising wear over time.

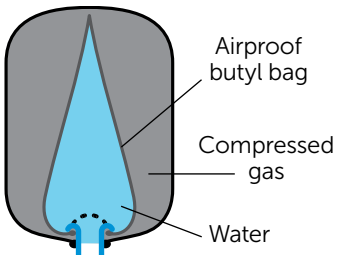
Corrosion prevention: Water is securely contained within the butyl bag, eliminating any contact with the vessel wall and protecting against corrosion. This design leads to a longer service life and eliminates costs associated with premature replacements.

Minimal operational costs: Our butyl bags offer reliable and nearly maintenance-free operation at stable preset pressures, minimising operational expenses.

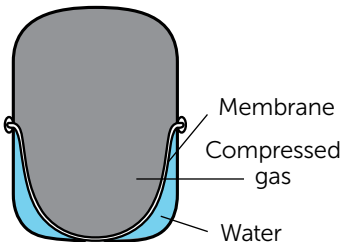
Double protection: The butyl bag ensures dual protection, safeguarding not only the vessel but also the entire system, eliminating consequential costs due to corrosion.

Outstanding performance: In tests involving several manufacturers, IMI Pneumatex outperformed competitors, as demonstrated by minimal primary pressure loss (see chart below), the elimination of the need for initial overpressure, and the absence of residual water inclusion.

IMI Pneumatex vessel



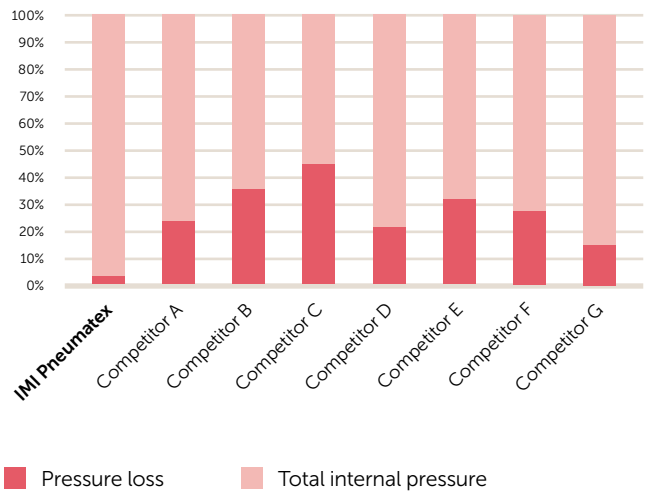
Conventional vessel



Proof of performance

An independent study conducted by a Belgium institute tested the pre-pressure loss of eight expansion vessels over one year of operation.

The graph illustrates how the IMI Pneumatex vessel equipped with Butyl Bag was at least 5 times more efficient at maintaining optional pressure than any other expansion vessel tested.



Source: The Karel de Grote-Home-school in Belgium carried out a quality comparison with expansion vessels.



BrainCube Connect

BrainCube Connect is the universal control unit of all Pneumatex TecBoxes to help you stay in control any time, anywhere.

The BrainCube enables simplified access to essential system information via any connected device. So, you can **enter settings, change system values, access logging data** for system performance monitoring and even troubleshoot the system whether you are on or off site. For **maximum security projects** where data cannot leave the premises, the **cloud connection can be disabled**. System information can be accessed through the BrainCube touchscreen.

WATCH THE VIDEO

Learn more about BrainCube Connect: intelligent, intuitive control unit.

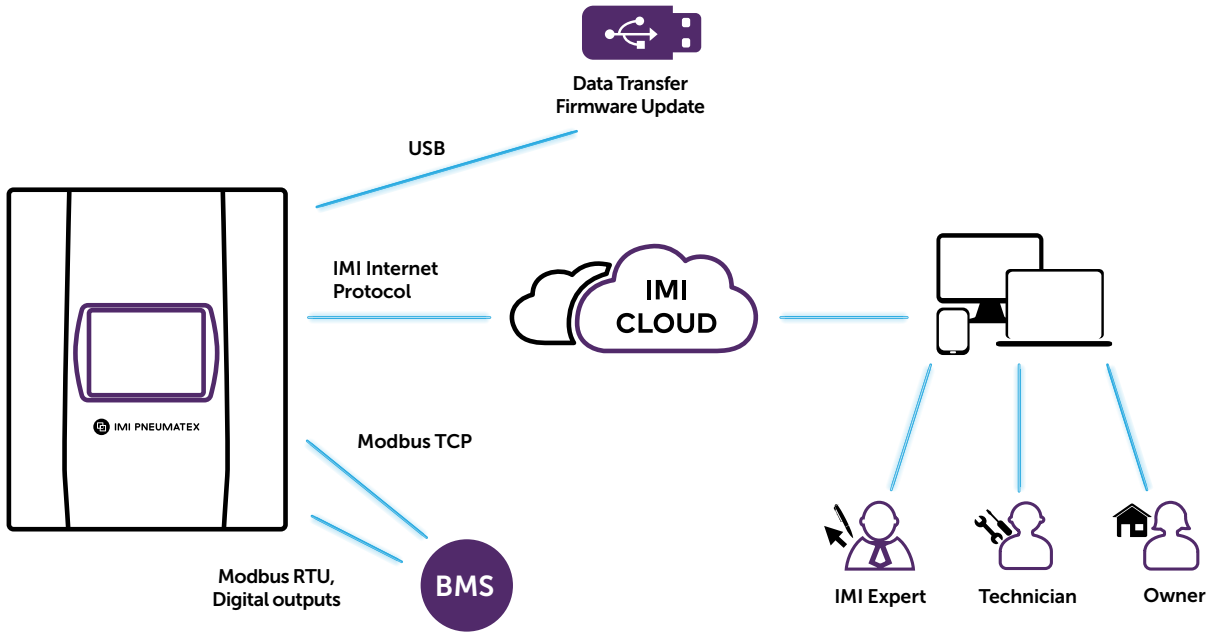
Seamless Integration

BrainCube Connect integrates with Building Management Systems via standardized Modbus protocol on RS485 (RTU) and Ethernet (TCP-IP), ready to be converted to other standards (such as KNX and BACnet).

Direct on-site connection via USB and Ethernet with the IMI Hydronic Web-Interface Cloud solution **to give you total visibility and control.**

Connected interface

The illustration below shows the communication versatility of the BrainCube Connect. If a system fault is detected, an alert will be sent directly to the customer who can view the message on their smartphone, access system settings, make adjustments or call for service before the problem gets worse.



Remote Connection RS485

Thanks to the RS485 port you can easily connect your device to the BMS system and fully control your system.
- Direct communication with BMS via Modbus RTU
- Communication with KNX, BACnet or other networks via suitable external modules

Service Connection USB

The USB port provides a quick and reliable connection on-site for service purpose.
- Off-line update of firmware
- Data transfer from BrainCube (history, messages) or upload of new settings.

Plug & Play Connection Ethernet

Easy connection to your BMS system and/or to IMI Cloud Web-Interface via router or GSM gate.
- Direct communication with BMS via Modbus TCP
- Communication with KNX, BACnet or other networks via suitable external modules
- Plug & play connection with the IMI Hydronic Web-Interface Cloud solution
- BrainCube to BrainCube communication (e.g., in Master-Slave pressurisation networks and external water make-up function)

BrainCube Connect Master-Slave functionalities

In installations where more than one pressure maintenance system is employed or multiple installations are hydraulically connected, a master-slave combined operation becomes essential. In such scenarios, effective communication between pressure maintenance devices is crucial to maintain control over the system's pressures and vessel levels.

The need for multiple pressurisations is driven by various reasons, such as:

- Improved load distribution: Distributing load for better partial load behaviour.
- Enhanced safety: Increasing operational safety.
- Full safety: Redundancy in all components and performance.
- Maximum ease of maintenance: maintaining pressurisation during maintenance work on the device or expansion vessels.
- Space optimization: Overcoming limitations due to insufficient space.
- Volume recirculation: energy-efficient recirculation of displaced water volumes in heating-cooling change-over systems with common consumers.
- Integration of installations: Merging existing installations for a comprehensive system.
- Temporary autonomous operation: Enabling independent operation in hydraulic networks, as in local heating systems with secondary district decoupling.

In order to fulfil the requirements described above, different master-slave operating modes are required.

MS-PC

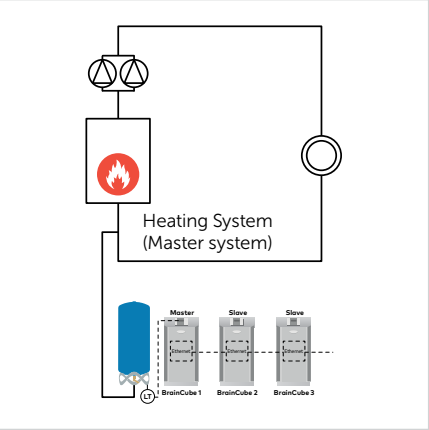
(Master-Slave Pressure Control)

Multiple pressurisation stations in parallel for:
Improved load distribution + Enhanced safety.

In this operating mode, all devices regulate with the same ACTUAL pressure value to individually adjustable setpoints. This ensures that the devices reliably fulfil their pressure maintenance function without causing mutual build-up.

The devices can have different pressure switch-on points and individual time delays for switching on their pumps and valves.

Pump running times can also be synchronised with each other. In this way, cascade operation with optimum partial load behaviour can be implemented and individual devices or even device groups can be defined as reserve or peak load devices, which can be switched on as new devices when required without any previous component stress or wear.



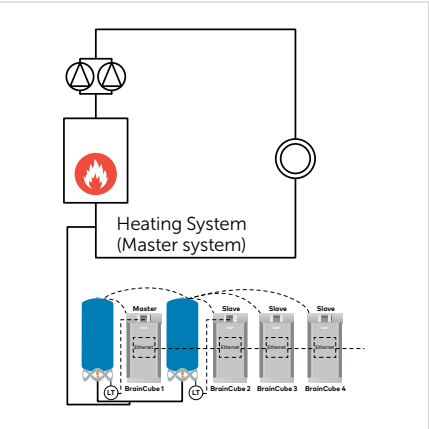
MS-PCR

(Master-Slave Pressure Control Redundancy)

Multiple pressurisation stations in parallel for:
Improved load distribution + Full safety + Maximum ease of maintenance.

MS-PCR operation is an extended MS-PC operation. Each device can achieve full redundancy of the components by analysing its own measuring foot LT on its own expansion vessel. Depending on the design of the devices, full redundancy of the pressurisation capacity can also be achieved.

If additional expansion vessels with their own measuring feet are used, redundancy is also achieved for the expansion volume and at the same time the pressurisation operation is fully maintained during service and maintenance work.

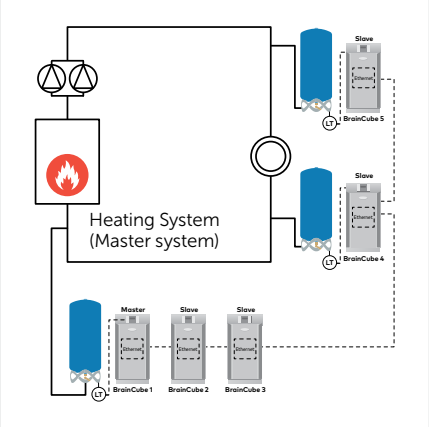


MS-LC

(Master-Slave Level Control)

Two or more pressurisation stations at different locations within a single system for:
Space optimisation (+ Volume recirculation + Integration of installations + Temporary autonomous operation).

MS-LC master-slave operation is always required if several pressurisations with their own expansion vessels are integrated at different points in the system or if the expansion vessels of the pressurisations do not automatically balance their water level via the principle of communicating water columns.

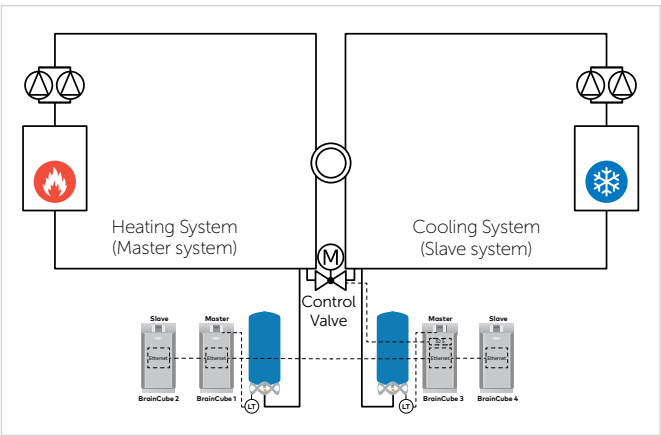


MS-IO

(Master-Slave Isolated Operation)

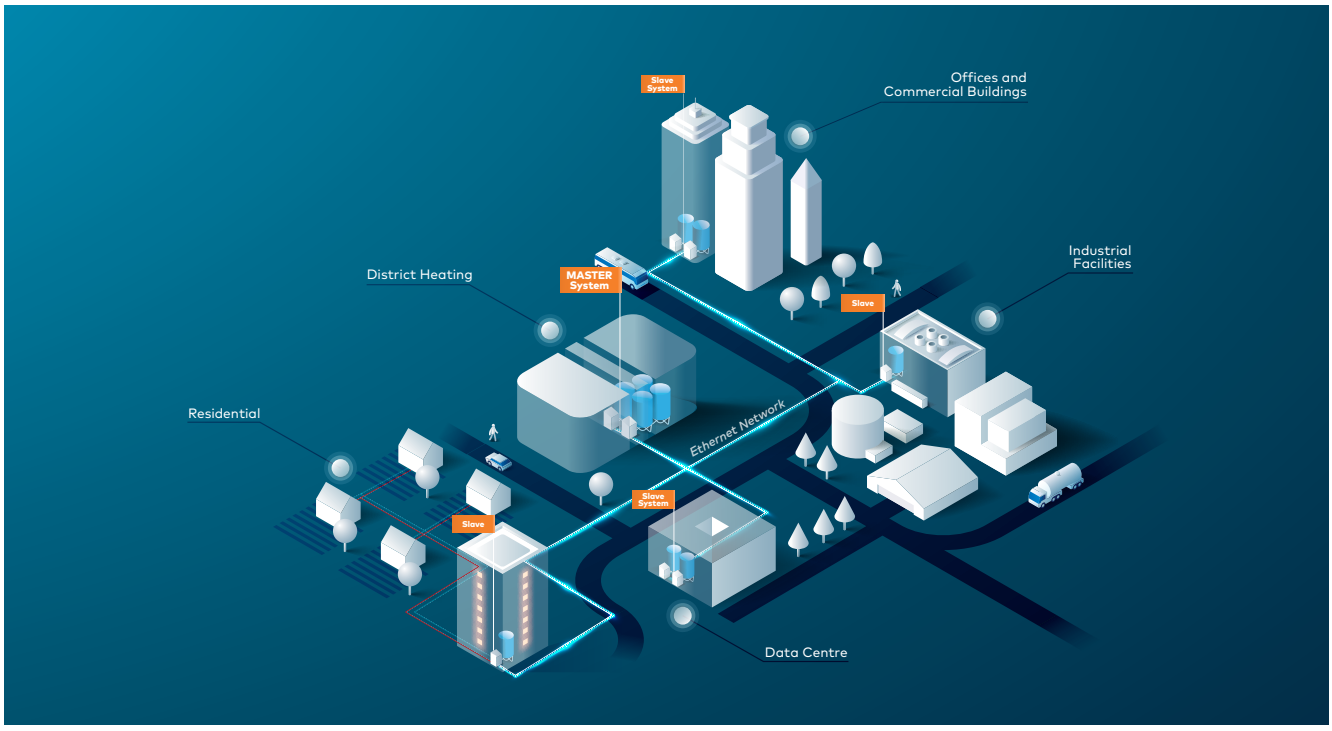
Two or more independent pressurisation stations in separate but connectable systems:
Volume recirculation + Integration of installations + Temporary autonomous operation.

MS-IO master-slave operation is always required when several pressurisations in different systems, which can be either hydraulically separated or connected, have to work together. If the systems are hydraulically separated from each other, the pressurisations work in MS-IO mode and maintain the pressure in your system (pressure control). If two systems are hydraulically connected to each other, the operating mode of one system switches to LC (Level Control) mode. Switching between the operating modes can be controlled automatically via the pressurisation stations themselves or via the BMS.



BrainCube Connect MS Communication via Ethernet-Multicast

In demanding applications like district heating and/or cooling, especially where multiple sub-power plants are situated several kilometres apart in addition to the main thermal power plant, the Master-Slave communication via **Ethernet-Multicast is the optimal solution**. It eliminates the need for additional cabling and efficiently utilizes existing Ethernet network infrastructure, whether dedicated or public.



Master-Slave communication via Ethernet-Multicast network.

Efficient integration

- **No additional cabling needed:** Multicast communication via Ethernet eliminates extensive additional cabling requirements.
- **Utilizes existing networks:** Leverages existing network infrastructure effectively.
- For master-slave combined operations, IMI Pneumatex offers two options: RS485 with Modbus RTU protocol or Ethernet with the innovative multicast technology.

IMI Pneumatex Master-Slave operation with Ethernet-Multicast communication

- **Independent operation:** Multiple master-slave network systems can operate independently in an Ethernet network using the multicast communication.
- **Controlled configuration:** Configuration is managed through multicast port numbers.

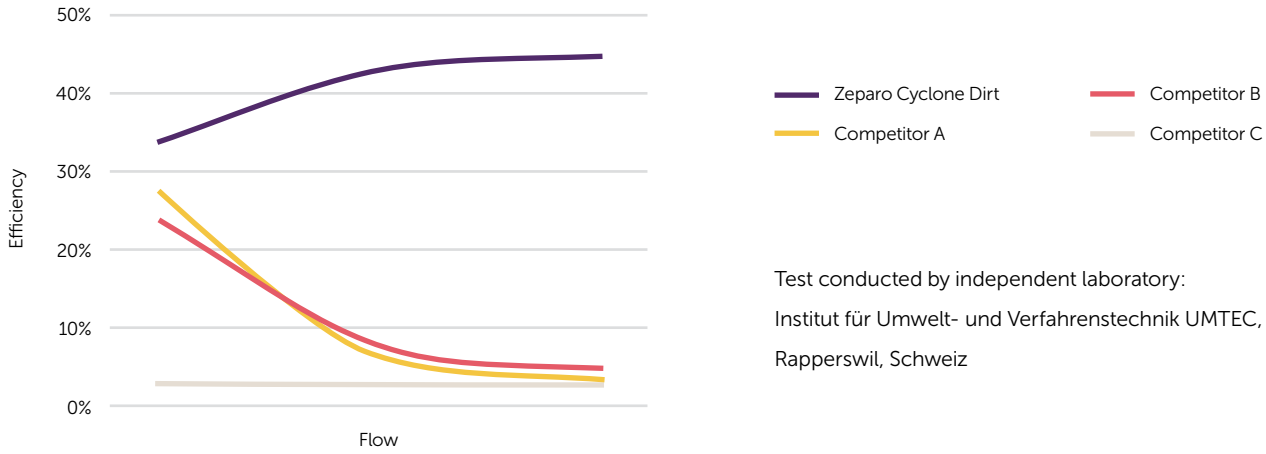
Each individual Ethernet network system can be operated with up to 40 devices with a common multicast IP and port. Using different multicast port numbers allows multiple Master-Slave networks (up to 40 units each) to operate independently within an Ethernet network for enhanced flexibility.

Cyclonic technology

The new standard in dirt and magnetite separation revolutionizes HVAC maintenance with efficiency up to 9 times higher.

Proof of performance

Measured Separation Efficiency against Competitors

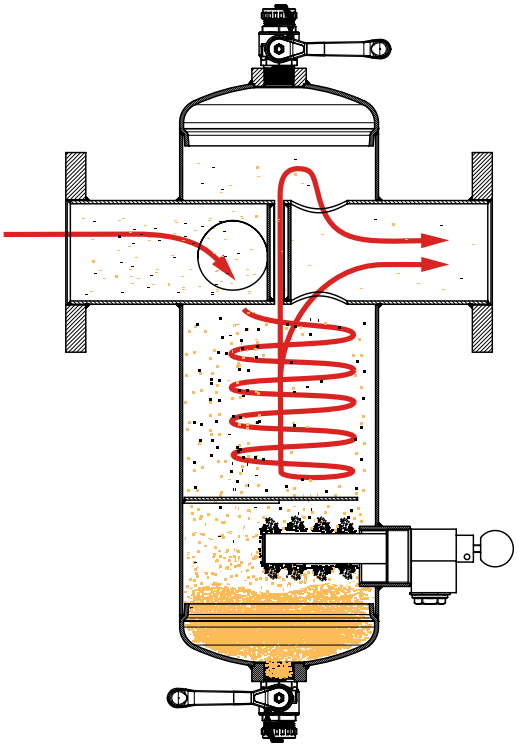


Test conducted by independent laboratory:
Institut für Umwelt- und Verfahrenstechnik UMTEC, Rapperswil, Schweiz

WATCH THE VIDEO

Learn more about Zeparo Cyclone Max and its ability to achieve up to 95% dirt separation in a single cycle, regardless of water speed or pipe size.

The Cyclonic principle



- A water vortex exerts a centrifugal force on dirt particles and thrusts them against the separator's outer wall
- The lower velocity at the edge of the cyclone allows gravity to move the particles to the bottom of the separator
- A retarding plate at the bottom ensures the dirt participles remain captured in the chamber until they are disposed of

Your benefits:

- Our new cyclonic technology is the only one that reliably eliminates up to 95% of dirt in a single cycle*
- Working at all water speeds and pipe sizes: high efficiency independent of dimension or water speeds
- Suitable for system temperatures up to 110 °C thanks to a special compound (PPS) used for inner parts
- Flexible installation in horizontal and vertical position
- Inline construction for easy installation and maintenance
- Even the smallest particles (5-10 µm), usually responsible for the most serious damages, can be captured thanks to the strongest magnet in the dirt separators market
- Save from 3% to 7% on primary energy consumption**

*depending on particle sizes, 200-800 µm measured

** starting from the third year, visit our website for more details: https://uqr.to/energy-facts

Helistill technology

Achieve the highest separation efficiency in low flow conditions thanks to the Helistill technology.

During the sedimentation process, the flow slows down along with the dirt particles entering the Zeparo chamber. Some particles start to fall due to gravity and the remaining ones bump into the helistill insert and consequentially fall down as well.

WATCH THE VIDEO

Learn more about Zeparo ZT Turnable and its extreme installation flexibility.

The Helistill principle

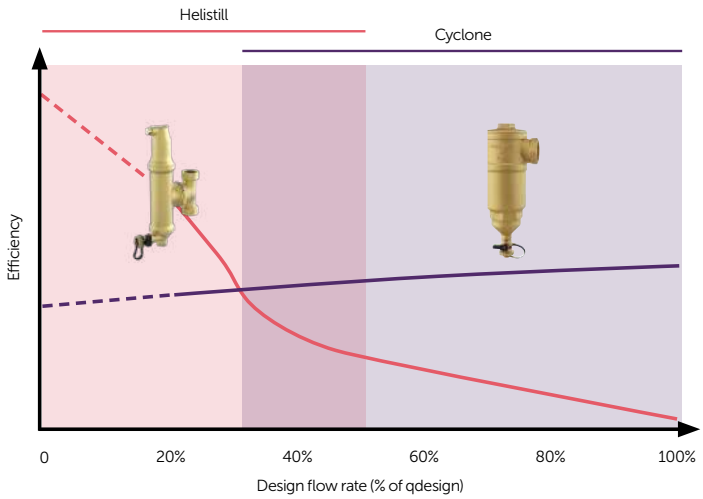
The Zeparo's separators range is equipped with helistill technology.

The shape of the helistill insert is ideal for catching the micro-bubbles and dirt particles so that they can be effectively separated from the water and subsequently flushed into a container, away from the flow turbulence.

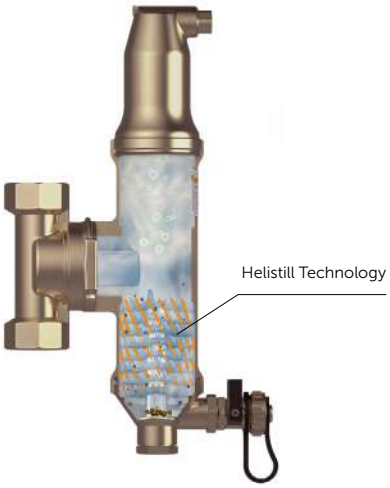
HELI stands for helical and indicates the tangential dynamics in the separation process.
STILL indicates the stillness required for the defined separation of gaseous and solid components.



Find out which technology is the most suitable for you



Zeparo ZT Turnable



For applications where for most of the season, the flow rate is **low (15-20% of q_{design}), Zeparo ZT turnable** is the best choice because the lower the speed, the higher the efficiency.

For applications where for most of the season, the flow rate is **above 70% of q_{design}**, the cyclonic technology, and therefore **Zeparo Cyclone**, is the best choice because from that limit and over it the separation efficiency is up to **9 times larger** than with sedimentation process.

In the area of around between 30%-50% of q_{design} it is possible to use both the technologies with a good result.

Zeparo Cyclone





Cyclonic vacuum degassing

The ultimate in gas removal technology, packed in a compact yet high-performant design to meet the requirements of today's complex HVAC systems.

Problems linked to dissolved gases occur mostly during installation, as the fresh water put in the system contains air. However, there are other installations where gases may persist:

- cooling systems;
- systems generating gases on a continuous basis, such as large-scale and/or older installations, as well as systems featuring plastic piping;
- wherever substantial quantities of water are added e.g. due to system extension.

With these application scenarios in mind, IMI Pneumatex developed a highly efficient technology now known as cyclonic vacuum degassing. The cyclonic effect allows free gases to concentrate in the center of the cyclone where they can combine into larger bubbles. The water is then vacuum-purged in the degassing chamber.

WATCH THE VIDEO

Learn more about Vento Connect cyclonic vacuum degasser

Simply Vento & Vento Compact

- Compact and efficient degassing unit
- Easy to install and commission thanks to the plug and play installation
- Vento compact includes Eco mode and automatic and direct degassing of make-up water



Vento Connect

At least 50% more efficient than most other vacuum degassing systems currently on the market

- Offers energy and water savings
- Direct degassing of make-up water: additional protection against corrosion



Cyclonic vacuum degassing is used in both the Vento and Transfero TV/TVI Connect ranges.



Magnets

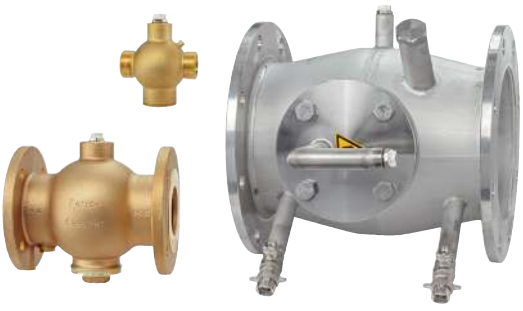
The IMI Pneumatex magnetic flow filtration systems which combines an extremely strong magnet with an integrated magnesium sacrificial anode to reduce oxygen in plant water.

Metallic materials, such as steel or iron, react with oxygen.
This reaction is called corrosion and results in the creation of magnetite and rust that travels in the HVAC system as it operates.

The effects of magnetite in heating systems can:

- Have a negative influence on the heat transfer of heat generators and heat delivery points
- Damage to valve spindles and seals
- Blockage, storage and sliding ring damage from pumps
- Influencing heat meters
- Rapidly polluting dirt catchers and filters

By removing even the smallest elements of magnetite, the life cycle of the critical systems is prolonged.



Ferro-Cleaner



Magnetic rod with magnetite in a Zeparo dirt separator



Ferro Cleaner magnet after 1 year of operation

Software & Apps

Our selection of Planning & Calculation tools take the guesswork out of system planning, making it the ideal complement to our product range.

HySelect

Everything you need to design, optimise and control a hydronic system in one software. HySelect helps you create and control your hydronic system from the design stage right through to commissioning. You can simply draft an optimal system layout by entering pipe lengths, the design flow of terminal units, as well as differential pressure values.
HySelect is the perfect tool to complement, but not replace, the expertise of our sales teams. So get in touch with them to discover how our HySelect software and our long history of industry expertise can help you create world-beating hydronic installations.

Download the HySelect software from our website



HyTools

All-in-one app for hydronic calculations.
HyTools is packed with expert hydronic data to simplify complex calculations and product selection. Achieving ideal system balancing, optimal pressurisation and energy-efficient is just a few clicks away with your smartphone.



HyTools is available from the App Store or Google Play

Download on the App Store

GET IT ON Google play



Unique performance, innovative technology

High-quality materials, expert support and tried&tested technologies ensure our all-encompassing rangeof solutions help you meet every 21st Century challenge.

"As IMI Pneumatex is leading innovation, we're always among the first to learn about the latest trends."

Gerhard Heiling, Austria



Sharing our knowledge

As a customer-focused business with decades of experience and involvement in over 100,000 major worldwide projects, we have amassed a great wealth of knowledge that we are committed to sharing with you.

Customer Training and Seminars.
Our Hydronic College teams located across the globe have helped over 200,000 HVAC professionals to gain insight into our products and acquire practical experience thanks to proficient seminars and training.

Customer partnership.
Thanks to our strong on-site experience we have the know-how to support you in any challenge you might face. **We work with you from the design stage all the way to the final commissioning to help create and maintain compliant, sustainable and highly efficient HVAC installations.**

"I really appreciate the design support and technical advice from my sales rep"

Mathew Shiby, Singapore

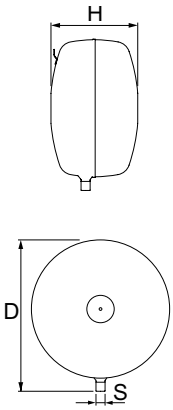
Technical information

Fixed air cushion system

Statico

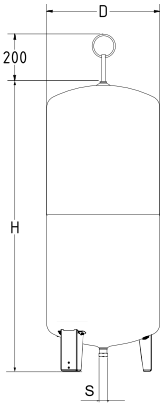
Statico SD
Discus shaped

Type	VN [l]	p0 [bar]	D	H	m [kg]	S	EAN	Article No
3 bar (PS)								
SD 8.3	8	1	314	166	3,5	R1/2	7640148630016	710 1000
SD 12.3	12	1	352	199	3,7	R1/2	7640148630023	710 1001
SD 18.3	18	1	393	222	4,1	R3/4	7640148630030	710 1002
SD 25.3	25	1	436	249	5	R3/4	7640148630047	710 1003
SD 35.3	35	1	485	280	6,4	R3/4	7640148630054	710 1004
SD 50.3	50	1,5	536	316	8	R3/4	7640148630061	710 1005
SD 80.3	80	1,5	636	346	12,7	R3/4	7640148630078	710 1006



Statico SU
Slim, cylindrical model

Type	VN [l]	p0 [bar]	D	H	H***	m [kg]	S	EAN	Article No
3 bar (PS)									
SU 140.6	140	3,5	420	1274	1489	25	R3/4	7640148630221	710 2008
SU 200.6	200	3,5	500	1330	1565	33	R3/4	7640148630238	710 2009
SU 300.6	300	3,5	560	1451	1692	39	R3/4	7640148630245	710 2010
SU 400.6	400	3,5	620	1499	1760	57	R3/4	7640148630252	710 2011
SU 500.6	500	3,5	680	1588	1859	66	R3/4	7640148630269	710 2012
SU 600.6	600	3,5	740	1596	1874	76	R3/4	7640148630276	710 2013
SU 800.6	800	3,5	740	2090	2360	100	R3/4	7640148630283	710 2014



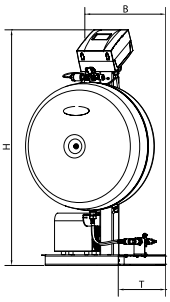
Elasticity	●●●●●
Pressurisation at power break down	●●●●●
Constant pressure	●○○○○
Small nominal volume	●○○○○
Remote control	○○○○○
Combined unit with degassing	○○○○○

Dynamic air cushion systems with compressors

Simply Compresso

Simply Compresso 4 C2.1-80 S
Precision pressure maintenance ± 0.1 bar, ECO-night functionality. 1 compressor, 1 spill valve, 1 primary vessel.

Type	PS [bar]	max dpu [bar]	VN [l]	B	H	T	m [kg]	Pel [kW]	EAN	Article No
C 2.1-80 S	4	2,5	80	603	1107	481	39	0,3	7640161645837	301021-41011



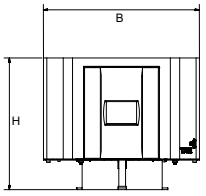
Simply Compresso 4 C2.1-80 SWM
Precision pressure maintenance ± 0.1 bar, ECO-night mode. 1 compressor, 1 spill valve, 1 primary vessel. 1 water meter and 1 solenoid valve for water make-up

Type	PS [bar]	max dpu [bar]	VN [l]	B	H	T	m [kg]	Pel [kW]	EAN	Article No
C 2.1-80 SWM	4	2,5	80	603	1107	481	41	0,3	7640161645844	301021-41012

Compresso

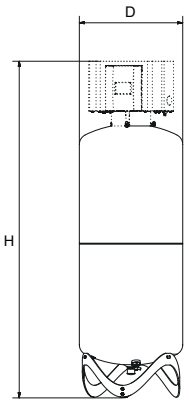
Compresso C 10.1 F Connect
Precision pressure maintenance ± 0.1 bar. 1 compressor. Valve manifold with 1 spill valve and saftey valve.

Type	PS [bar]	B	H	T	m [kg]	Pel [kW]	EAN	Article No
C 10.1-3.75 F	3,75	370	315	370	14	0,6	7640153570970	810 1411
C 10.1-5 F	5	370	315	370	14	0,6	7640153570987	810 1413
C 10.1-6 F	6	370	315	370	14	0,6	7640153570994	810 1414



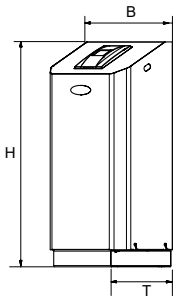
Compresso CU
Primary vessel. Measuring foot for content measurement. Including flex tube for the water-side connection and lock shield valve with ball valve for fast draining.

Type	VN [l]	D	H	m [kg]	S	Sw	EAN	Article No
6 bar (PS)								
CU 200.6	200	500	1622	34	Rp1	G3/4	7640148630771	712 1000
CU 300.6	300	560	1753	40	Rp1	G3/4	7640148630788	712 1001
CU 400.6	400	620	1818	58	Rp1	G3/4	7640148630795	712 1002
CU 500.6	500	680	1914	67	Rp1	G3/4	7640148630801	712 1003
CU 600.6	600	740	1925	80	Rp1	G3/4	7640148630818	712 1004
CU 800.6	800	740	2418	98	Rp1	G3/4	7640148630825	712 1005



Dynamic air cushion systems with compressors

Compresso



Compresso C 10.1 Connect
Precision pressure maintenance ± 0.1 ba. 1 compressor. Valve manifold with 1 spill valve and safety valve.

Type	PS [bar]	B	H	T	m [kg]	Pel [kW]	EAN	Article No
C 10.1-3.0	3	520	1060	350	21	0,6	7640161629042	810 1420
C 10.1-3.75	3,75	520	1060	350	21	0,6	7640161628182	810 1421
C 10.1-4.2	4,2	520	1060	350	21	0,6	7640161629059	810 1422
C 10.1-5.0	5	520	1060	350	21	0,6	7640161628199	810 1423
C 10.1-6.0	6	520	1060	350	21	0,6	7640161628205	810 1424

Compresso C 10.2 Connect
Precision pressure maintenance ± 0.1 bar. 2 compressors. Valve manifold with 1 spill valve and safety valve. Switching is time and load dependant.

Type	PS [bar]	B	H	T	m [kg]	Pel [kW]	EAN	Article No
C 10.2-3.0	3	520	1060	350	35	1,2	7640161629066	810 1460
C 10.2-3.75	3,75	520	1060	350	35	1,2	7640161628236	810 1461
C 10.2-4.2	4,2	520	1060	350	35	1,2	7640161629073	810 1462
C 10.2-5.0	5	520	1060	350	35	1,2	7640161628243	810 1463
C 10.2-5.0	6	520	1060	350	35	1,2	7640161628250	810 1464

T = Depth of the device

Compresso C 15.1 Connect
Precision pressure maintenance ± 0.1 bar. 1 compressor. Valve manifold with 1 spill valve and safety valve.

Type	PS [bar]	B	H	T	m [kg]	Pel [kW]	EAN	Article No
C 15.1-6.0	6	520	1060	350	42	1,3	7640161628212	810 1434
C 15.1-10.0	10	520	1060	350	42	1,3	7640161628229	810 1435

Compresso C 15.2 Connect
Precision pressure maintenance ± 0.1 bar. 2 compressors. Valve manifold with 2 spill valves and safety valve. Switching is time and load dependant.

Type	PS [bar]	B	H	T	m [kg]	Pel [kW]	EAN	Article No
C 15.2-6.0	6	520	1060	350	62	2,6	7640161628267	810 1474
C 15.2-10.0	10	520	1060	350	62	2,6	7640161628274	810 1475

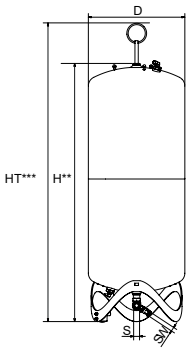
Combined unit with degassing	●●●●●
Small nominal volume	●●●●●
Remote control	●●●●●
Constant pressure	●●●●○
Noise	●●●●○
Elasticity	●●●○○
Pressurisation at power break down	○○○○○

Dynamic air cushion systems with compressors

Compresso

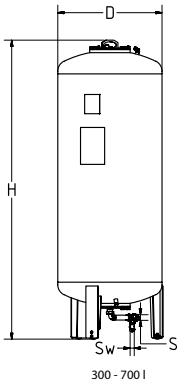
Compresso CU
Primary vessel. Measuring foot for content measurement. Including flex tube for the water-side connection and lock shield valve with ball valve for fast draining.

Type	VN [l]	D	H**	HT***	m [kg]	S	Sw	EAN	Article No
6 bar (PS)									
CU 200.6	200	500	1340	1565	34	Rp1	G3/4	7640148630771	712 1000
CU 300.6	300	560	1469	1690	40	Rp1	G3/4	7640148630788	712 1001
CU 400.6	400	620	1532	1760	58	Rp1	G3/4	7640148630795	712 1002
CU 500.6	500	680	1627	1858	67	Rp1	G3/4	7640148630801	712 1003
CU 600.6	600	740	1638	1873	80	Rp1	G3/4	7640148630818	712 1004
CU 800.6	800	740	2132	2360	98	Rp1	G3/4	7640148630825	712 1005

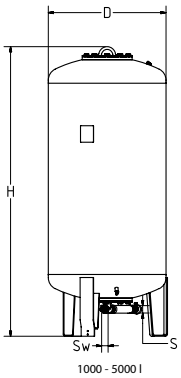


Compresso CG
Primary vessel. Measuring foot for content measurement. Including flex tube for the water-side connection and lock shield valve with ball valve for fast draining. Corrosion-protected internal coating for minimum bag wear.

Type	VN [l]	D	H**	HT***	m [kg]	S	Sw	EAN	Article No
6 bar (PS)									
CG 300.6	300	500	1823	1839	140	Rp1	G3/4	7640148630894	712 1006
CG 500.6	500	650	1864	1893	190	Rp1	G3/4	7640148630900	712 1007
CG 700.6	700	750	1894	1931	210	Rp1	G3/4	7640148630917	712 1008
CG 1000.6	1000	850	2097	2132	290	Rp1 1/2	G3/4	7640148630924	712 1009
CG 1500.6	1500	1016	2248	2295	400	Rp1 1/2	G3/4	7640148630931	712 1010
CG 2000.6	2000	1016	2746	2785	680	Rp1 1/2	G3/4	7640148630948	712 1015
CG 3000.6	3000	1300	2850	2936	840	Rp1 1/2	G3/4	7640148630955	712 1012
CG 4000.6	4000	1300	3496	3547	950	Rp1 1/2	G3/4	7640148630962	712 1013
CG 5000.6	5000	1300	4134	4183	1050	Rp1 1/2	G3/4	7640148630979	712 1014
10 bar (PS)									
CG 300.10	300	500	1854	1866	160	Rp1	G3/4	7640148631075	712 3000
CG 500.10	500	650	1897	1921	220	Rp1	G3/4	7640148631082	712 3001
CG 700.10	700	750	1928	1961	250	Rp1	G3/4	7640148631099	712 3002
CG 1000.10	1000	850	2097	2132	340	Rp1 1/2	G3/4	7640148631105	712 3003
CG 1500.10	1500	1016	2285	2331	460	Rp1 1/2	G3/4	7640148631112	712 3004
CG 2000.10	2000	1016	2779	2819	760	Rp1 1/2	G3/4	7640148631129	712 3009
CG 3000.10	3000	1300	2879	2942	920	Rp1 1/2	G3/4	7640148631136	712 3006



300 - 700 l



1000 - 5000 l

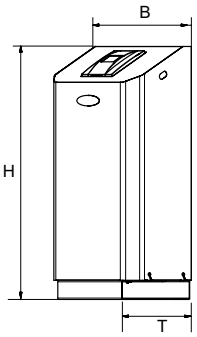
Combined unit with degassing	●●●●●
Small nominal volume	●●●●●
Remote control	●●●●●
Constant pressure	●●●●○
Noise	●●●●○
Elasticity	●●●○○
Pressurisation at power break down	○○○○○

Dynamic air cushion systems with compressors

Transfero

Transfero TV .1 E Connect
Precision pressure maintenance ±0,2 bar. 1 pump. 1 spill valve and two motor driven valves for degassing and pressurisation. 1 solenoid valve and 1 water meter for water make-up.

Type	B	H	T	m [kg]	Pel [kW]	dpu [bar]	SPL [dB(A)]	EAN	Article No
10 bar (PS)									
TV 4.1 E	500	920	530	42	0.75	1-2,5	~55*	7640161629462	811 1500
TV 6.1 E	500	920	530	44	1.1	1,5-3,5	~55*	7640161629479	811 1501
TV 8.1 E	500	920	530	45	1.4	2-4,5	~55*	7640161629486	811 1502
TV 10.1 E	500	1300	530	50	1.7	3,5-6,5	~60*	7640161629493	811 1503
13 bar (PS)									
TV 14.1 E	500	1300	530	69	1.7	5,5-10	~60*	7640161629509	811 1504



Transfero TV .1 EH Connect
Precision pressure maintenance ±0,2 bar. 1 pump. 1 spill valve and two motor driven valves for degassing and pressurisation. 1 spill valve for peak load pressurisation. 1 solenoid valve and 1 water meter for water make-up.

Type	B	H	T	m [kg]	Pel [kW]	dpu [bar]	SPL [dB(A)]	EAN	Article No
10 bar (PS)									
TV 4.1 EH	500	920	530	42	0.75	1-2,5	~55*	7640161629516	811 1510
TV 6.1 EH	500	920	530	46	1.1	1,5-3,5	~55*	7640161629523	811 1511
TV 8.1 EH	500	920	530	47	1.4	2-4,5	~55*	7640161629530	811 1512
TV 10.1 EH	500	1300	530	52	1.7	3,5-6,5	~60*	7640161629547	811 1513
13 bar (PS)									
TV 14.1 EH	500	1300	530	72	1.7	5,5-10	~60*	7640161629851	811 1514

Transfero TV .2 EH Connect
Precision pressure maintenance ±0,2 bar. 2 pumps. 1 spill valve and two motor driven valves for degassing and pressurisation. 1 spill valve for peak load pressurisation. 1 solenoid valve and 1 water meter for water make-up.

Type	B	H	T	m [kg]	Pel [kW]	dpu [bar]	SPL [dB(A)]	EAN	Article No
10 bar (PS)									
TV 4.2 EH	680	920	530	54	1.5	1-2,5	~55*	7640161629554	811 1520
TV 6.2 EH	680	920	530	57	2.2	1,5-3,5	~55*	7640161629561	811 1521
TV 8.2 EH	680	920	530	60	2.8	2-4,5	~55*	7640161629578	811 1522
TV 10.2 EH	680	1300	530	70	3.4	3,5-6,5	~60*	7640161629585	811 1523
13 bar (PS)									
TV 14.2 EH	680	1300	530	97	3.4	5,5-10	~60*	7640161629592	811 1524

*) Pump operation

Combined unit with degassing	●●●●●
Small nominal volume	●●●●●
Remote control	●●●●●
Constant pressure	●●●●○
Noise	●●●●○
Elasticity	●●●○○
Pressurisation at power break down	○○○○○

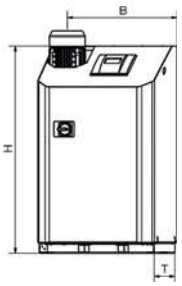
Dynamic air cushion systems with compressors

Transfero

Transfero TVI.1 EHC Connect

Precision pressure maintenance ±0,2 bar. 1 pump. 1 spill valve and two motor driven valves for degassing and pressurisation. 1 spill valve for peak load pressurisation. 1 solenoid valve and 1 water meter for water make-up. Cooling insulation with condensation water protection

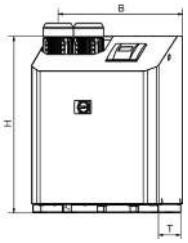
Type	B	H	T	m [kg]	Pel [kW]	dpu [bar]	SPL [dB(A)]	EAN	Article No
25 bar (PS)									
TVI 19.1 EHC	570	1086	601	87	2,6	6,5-15,5	~60*	7640161636736	301033-00600
TVI 25.1 EHC	570	1258	601	96	3,4	10,5-20,5	~60*	7640161636743	301033-00700



Transfero TVI .2 EH Connect

Precision pressure maintenance ±0,2 bar. 2 pumps. 1 spill valve and two motor driven valves for degassing and pressurisation. 1 spill valve for peak load pressurisation. 1 solenoid valve and 1 water meter for water make-up. Cooling insulation with condensation water protection.

Type	B	H	T	m [kg]	Pel [kW]	dpu [bar]	SPL [dB(A)]	EAN	Article No
25 bar (PS)									
TVI 19.2 EH	751	1086	601	132	5,2	6,5-15,5	~60*	7640161636927	301033-10600
TVI 25.2 EH	751	1258	601	150	6,8	10,5-20,5	~60*	7640161636729	301033-10700

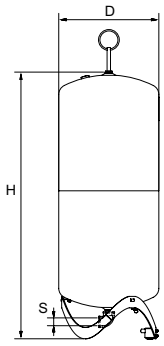


*) Pump operation

Transfero TU

Primary vessel. Measuring foot for content measurement. Including assembly kit for the water-side.

Type	VN [l]	D	H	H**	m [kg]	S	EAN	Article No
2 bar (PS)								
TU 200	200	500	1339	1565	36	Rp 1 1/4	7640148631594	713 1000
TU 300	300	560	1469	1690	41	Rp 1 1/4	7640148631600	713 1001
TU 400	400	620	1532	1760	58	Rp 1 1/4	7640148631617	713 1002
TU 500	500	680	1627	1858	68	Rp 1 1/4	7640148631624	713 1003
TU 600	600	740	1638	1873	78	Rp 1 1/4	7640148631631	713 1004
TU 800	800	740	2132	2360	99	Rp 1 1/4	7640148631648	713 1005

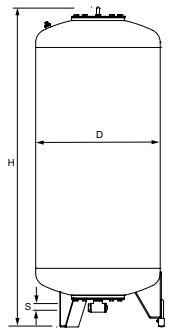


**) Max. height when vessel is tilted

Transfero TG

Primary vessel. Measuring foot for content measurement. Including assembly kit for the water-side connection.

Type*	VN [l]	D	H	H**	m [kg]	S	EAN	Article No
2 bar (PS)								
TG 1000	1000	850	2199	2210	280	Rp 1 1/4	7640148631716	713 1006
TG 1500	1500	1016	2351	2381	360	Rp 1 1/4	7640148631723	713 1007
TG 2000	2000	1016	2848	2876	640	Rp 1 1/4	7640148631730	713 1012
TG 3000	3000	1300	2951	3016	800	Rp 1 1/4	7640148631747	713 1009
TG 4000	4000	1300	3592	3633	910	Rp 1 1/4	7640148631754	713 1010
TG 5000	5000	1300	4216	4275	1010	Rp 1 1/4	7640148631761	713 1011



*) Special vessel upon request.
**) Max. height when vessel is tilted

Combined unit with degassing	●●●●●
Small nominal volume	●●●●●
Remote control	●●●●●
Constant pressure	●●●●○
Noise	●●●●○
Elasticity	●●●○○
Pressurisation at power break down	○○○○○

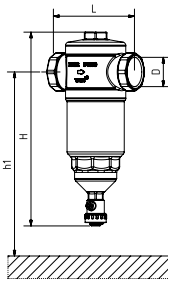
Technical information

Automatic air vents and separators

Dirt Separator: Zeparo Cyclone

Zeparo Cyclone ZCD
Horizontal and vertical installation.

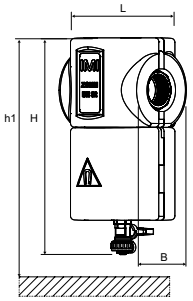
Type	H	h1	L	q_{nom} [m³/h]	q_{max} [m³/h]	m [kg]	D	EAN	Article No
ZCD 20*	201	305	100	1,18	2,3	1,3	G3/4	7640153570543	789 7420
ZCD 25	201	305	100	1,47	3,8	1,3	G1	7640153570550	789 7425
ZCD 32	258	355	122	3,18	7,2	2,2	G1 1/4	7640153570567	789 7432
ZCD 40	310	400	158	4,75	10,2	3,7	G1 1/2	7640153570574	789 7440
ZCD 50	310	400	160	6,88	16,0	3,9	G2	7640153570581	789 7450



*) Can be connected to smooth pipes by KOMBI compression coupling.

Zeparo Cyclone ZCDM Sets ZCD + ZCHM
Horizontal and vertical installation.

Type	H	h1	L	B [mm]	m [kg]	D	Number of magnets	EAN	Article No
20*	213,5	305	100	110	1,4	G3/4	4	7640153570598	789 7520
25	213,5	305	100	110	1,4	G1	4	7640153570604	789 7525
32	269,5	355	122	132	2,4	G1 1/4	4	7640153570611	789 7532
40	327,5	400	158	160,5	3,9	G1 1/2	6	7640153570628	789 7540
50	327,5	400	160	160,5	4,2	G2	6	7640153570635	789 7550

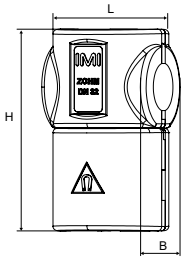


*) Can be connected to smooth pipes by KOMBI compression coupling.

Accessories

Magnet and Thermal insulation ZCHM
The insulation with magnet can be mounted on the Zeparo Cyclone without draining the system.
Also compatible with the flanged ZCDF.

Type	Size	H	L	B	m [kg]	Number of magnets	EAN	Article No
ZCHM 20-25	DN 20-25	175	108	110	4	0,126	7640161629158	787 7425
ZCHM 32	DN 32	232	132	134	4	0,189	7640161629202	787 7432
ZCHM 40-50	DN 40-50	289	158,5	160,5	6	0,310	7640161629219	787 7450

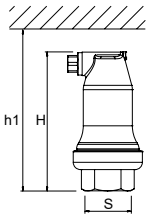


Automatic air vents and separators

Automatic air vent, versions Top and Purge: Zeparo ZUT / ZUP

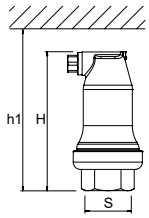
Zeparo ZUT
Female thread. Vertical installation.

Type	H	h1	m [kg]	S	dpu [bar]	EAN	Article No
ZUT 15	124	149	0,6	Rp1/2	10	7640148632454	789 0515
ZUT 20	124	149	0,7	Rp3/4	10	7640148632461	789 0520
ZUT 25	124	149	0,7	Rp1	10	7640148632478	789 0525



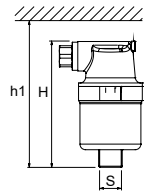
Zeparo ZUTS Solar
Female thread. Vertical installation.

Type	H	h1	m [kg]	S	dpu [bar]	EAN	Article No
ZUTS 15	124	149	0,6	Rp1/2	10	7640148632492	789 1615



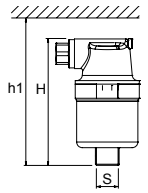
Zeparo ZUP
Male thread. Vertical installation.

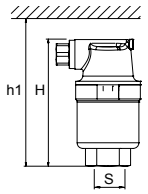
Type	H	h1	m [kg]	S	dpu [bar]	EAN	Article No
ZUP 10	90	110	0,4	R3/8	6	7640148632508	789 1510



Zeparo ZUPN
ZUPN 10 Male thread. ZUPN 15 Female thread. Vertical installation. Nickel plated.

Type	H	h1	m [kg]	S	dpu [bar]	EAN	Article No
ZUPN 10	90	110	0,4	R3/8	6	7640161644359	789 1511
ZUPN 15	93	110	0,4	Rp1/2	6	7640161644366	789 1516

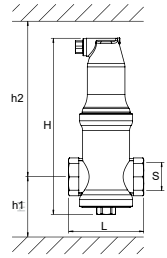




Microbubble separator: Zeparo ZUV – version Vent

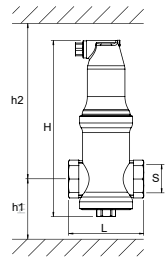
Zeparo ZUV
Female thread. Horizontal installation.

Type	H	h1	h2	L	m [kg]	S	qN [m³/h]	qNmax [m³/h]	EAN	Article No
ZUV 20	204	73	176	88	1,1	G3/4	1,3	2,3	7640148632522	789 1120
ZUV 25	207	64	188	88	1,2	G1	2,1	3,8	7640148632546	789 1125
ZUV 32	239	81	203	88	1,4	G1 1/4	3,7	7,2	7640148632553	789 1132
ZUV 40	273	83	235	88	1,5	G1 1/2	5	10,2	7640148632560	789 1140



Zeparo ZUVS solar
Female thread. Horizontal installation.

Type	H	h1	h2	L	m [kg]	S	qN [m³/h]	qNmax [m³/h]	EAN	Article No
ZUVS 20	204	73	176	88	1,1	G3/4	1,3	2,3	7640148632607	789 1720
ZUVS 25	207	64	188	88	1,2	G1	2,1	3,8	7640148632621	789 1725
ZUVS 32	239	81	203	88	1,4	G1 1/4	3,7	7,2	7640148632638	789 1732
ZUVS 40	273	83	235	88	1,5	G1 1/2	5	10,2	7640148632645	789 1740

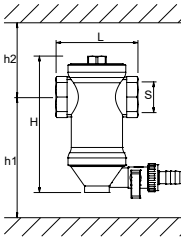


Automatic air vents and separators

Dirt and Magnetic Separator: Zeparo ZUD / ZUM

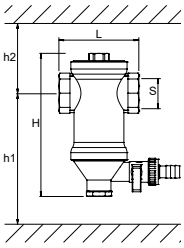
Zeparo ZUD
Female thread. Horizontal installation.

Type	H	h1	h2	L	m [kg]	S	qN [m³/h]	qNmax [m³/h]	EAN	Article No
ZUD 20	141	128	78	88	0,9	G3/4	1,3	2,3	7640148632683	789 2120
ZUD 25	144	140	69	88	1,0	G1	2,1	3,8	7640148632706	789 2125
ZUD 32	176	155	86	88	1,2	G1 1/4	3,7	7,2	7640148632713	789 2132
ZUD 40	210	187	88	88	1,4	G1 1/2	5,0	10,2	7640148632720	789 2140



Zeparo ZUM with magnetic action
Female thread. Horizontal installation.

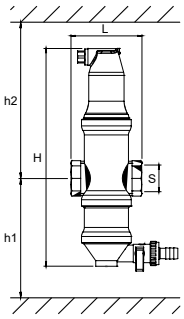
Type	H	h1	h2	L	m [kg]	S	qN [m³/h]	qNmax [m³/h]	EAN	Article No
ZUM 20	155	202	78	88	1,2	G3/4	1,3	2,3	7640148632768	789 3120
ZUM 25	158	214	70	88	1,3	G1	2,1	3,8	7640148632782	789 3125
ZUM 32	190	229	86	88	1,5	G1 1/4	3,7	7,2	7640148632799	789 3132
ZUM 40	224	261	86	88	1,6	G1 1/2	5	10,2	7640148632805	789 3140



Air and Dirt Separator: Zeparo ZUKM – version Kombi

Zeparo ZUKM
Dry magnetic rod in pocket to increase the magnetite capture. Female thread. Horizontal installation.

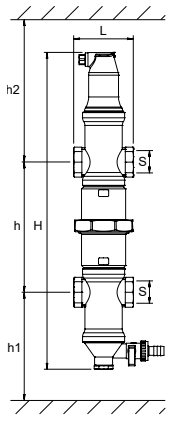
Type	H	h1	h2	L	m [kg]	S	qN [m³/h]	qNmax [m³/h]	EAN	Article No
ZUKM 20	281	230	176	88	1,6	G3/4	1,3	2,3	7640148632898	789 4220
ZUKM 25	284	221	186	88	1,7	G1	2,1	3,8	7640148632911	789 4225
ZUKM 32	316	238	203	88	1,9	G1 1/4	3,7	7,2	7640148632928	789 4232
ZUKM 40	350	240	235	88	2,0	G1 1/2	5	10,2	7640148632935	789 4240



Air and Dirt Separator: Zeparo ZUCM – Low-loss header, version Collect

Zeparo ZUCM with magnetic action
Dry magnetic rod in pocket to increase the magnetite capture. Female thread. Horizontal installation.

Type	H	h	h1	h2	L	m [kg]	S	qN [m³/h]	qNmax [m³/h]	EAN	Article No
ZUCM 20	464	211	202	176	88	2,9	G3/4	1,3	2,3	7640148632997	789 5220
ZUKM 25	470	193	214	186	88	3,2	G1	2,1	3,8	7640148633017	789 5225
ZUCM 32	534	227	229	203	88	3,7	G1 1/4	3,7	7,2	7640148633024	789 5232
ZUCM 40	602	231	261	235	88	4,0	G1 1/2	5	10,2	7640148633031	789 5240

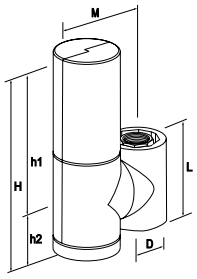


Automatic air vents and separators

Zeparo ZT Turnable

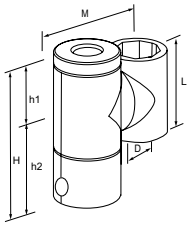
Microbubble separator: Zeparo ZTV - Vent version
Female thread or smooth pipes (15, 18 and 22 mm) with additional KOMBI compression coupling. Horizontal and vertical installation.

Type	H	h1	h2	L	M	m [kg]	D	qN [m³/h]	qNmax [m³/h]	EAN	Article No
ZTVI 20	268	194	74	110	122	1,97	G 3/4	1,15	2,3	7640161638914	303020-70501
ZTVI 25	268	194	74	110	122	2,07	G 1	1,8	3,8	7640161638938	303020-70601
ZTVI 32	268	194	74	110	122	2,11	G 1 1/4	3,0	7,2	7640161638952	303020-70701



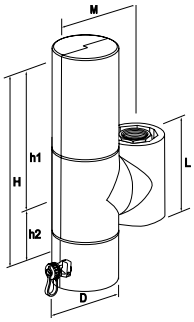
Dirt Separator: Zeparo ZTM
Dry magnetic rod in pocket to increase magnetite capture. Female thread or smooth pipes (15, 18 and 22 mm) with additional KOMBI compression coupling. Horizontal and vertical installation.

Type	H	h1	h2	L	M	m [kg]	D	qN [m³/h]	qNmax [m³/h]	EAN	Article No
ZTMI 20	197	74	123	110	157	1,89	G 3/4	1,15	2,3	7640161639119	303041-70501
ZTMI 25	197	74	123	110	157	1,94	G 1	1,8	3,8	7640161639133	303041-70601
ZTMI 32	197	74	123	110	157	2,04	G 1 1/4	3,0	7,2	7640161639157	303041-70701



Microbubble and dirt separator: Zeparo ZTKM - Kombi version
Dry magnetic rod in pocket to increase magnetite capture. Female thread or smooth pipes (15, 18 and 22 mm) with additional KOMBI compression coupling. Horizontal and vertical installation.

Type	H	h1	h2	L	M	m [kg]	D	qN [m³/h]	qNmax [m³/h]	EAN	Article No
ZTKMI 20	317	194	123	110	157	2,8	G 3/4	1,15	2,3	7640161639218	303051-80501
ZTKMI 25	317	194	123	110	157	2,9	G 1	1,8	3,8	7640161639232	303051-80601
ZTKMI 32	317	194	123	110	157	3	G 1 1/4	3,0	7,2	7640161639256	303051-80701



qN = Nominal flow/flow rate
qN_{max} = Maximum flow

Automatic air vents and separators

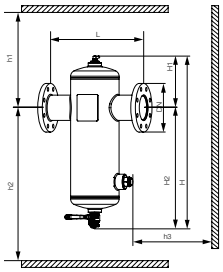
Zeparo Cyclone Max

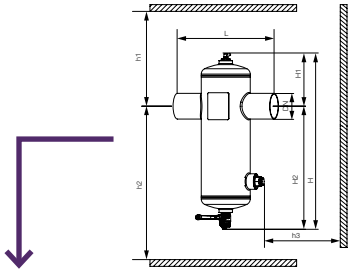
Flanged connection

PN10
horizonal, vertical (downward flow direction).

Type	DN	H	H1	H2	h1*	h2	h3	L	q_N [m³/h]	q_{max} [m³/h]	Weight [kg]	Kvs [m³/h]	EAN	Article No
ZCX 50	50	770	325	445	575	695	377	350	6	24	13	21,3	7640161645868	303041-10900
ZCX 65	65	770	325	445	575	695	377	350	11	40	13	38,5	7640161645875	303041-11001
ZCX 80	80	910	355	555	605	805	377	470	18	56	25	57,1	7640161645882	303041-11101
ZCX 100	100	910	355	555	605	805	377	470	33	95	26	94,9	7640161645899	303041-11201
ZCX 125	125	1130	415	715	665	965	487	635	58	148	72	142,0	7640161645905	303041-11301
ZCX 150	150	1130	415	715	665	965	487	635	93	216	75	201,5	7640161645912	303041-11401
ZCX 200	200	1440	490	950	740	1200	600	755	184	375	167	361,0	7640161645929	303041-11501
ZCX 250	250	1680	545	1135	795	1385	600	890	336	575	242	570,0	7640161645936	303041-11601
ZCX 300	300	1830	585	1245	835	1495	600	1005	535	815	277	731,8	7640161645943	303041-11701

*) +70 when ZUTX is used





Welded connection

PN10
Horizonal, vertical (downward flow direction)

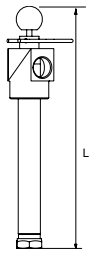
Type	DN	H	H1	H2	h1*	h2	h3	L	q_N [m³/h]	q_{max} [m³/h]	Weight [kg]	Kvs [m³/h]	EAN	Article No
ZCX 50 W	50	770	325	445	575	695	377	340	6	24	9	21,3	7640161645950	303041-20900
ZCX 65 W	65	770	325	445	575	695	377	340	11	40	9	38,5	7640161645967	303041-21002
ZCX 80 W	80	910	355	555	605	805	377	460	18	56	18	57,1	7640161645974	303041-21102
ZCX 100 W	100	910	355	555	605	805	377	460	33	95	17	94,9	7640161645981	303041-21202
ZCX 125 W	125	1130	415	715	665	965	487	625	58	148	61	142,0	7640161645998	303041-21302
ZCX 150 W	150	1130	415	715	665	965	487	625	93	216	59	201,5	7640161646001	303041-21402
ZCX 200 W	200	1440	490	950	740	1200	600	755	184	375	149	361,0	7640161646018	303041-21502
ZCX 250 W	250	1680	545	1135	795	1385	600	870	336	575	207	570,0	7640161646025	303041-21602
ZCX 300 W	300	1830	585	1245	835	1495	600	985	535	815	232	731,8	7640161646032	303041-21702

*) +70 when ZUTX is used

Zeparo Magnet ZCXM

Magnet Attachment. For retrofitting and mounting on site in the Zeparo Cyclone Max range.
T-branch with magnetic rod and pocket. To increase the magnetite capture.

Type	PS [bar]	TS [°C]	m [kg]	L	EAN	Article No
ZCXM 50-100	10	110	3,6	277	7640161646179	30305-110004
ZCXM 125-150	10	110	4,0	387	7640161646186	30305-110005
ZCXM 200-300	10	110	4,5	500	7640161646193	30305-110006



Automatic air vents and separators

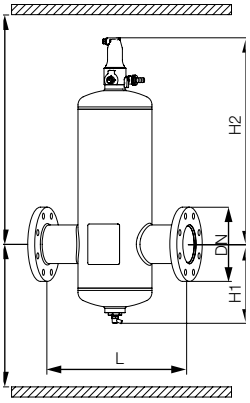
Zeparo Aero

Zeparo Aero DN 50-300
Separator for microbubbles. Industrial type.
Flanged connection. Horizontal installation.
Fitted with one air separator ZUTX and one drain ball valve.

Valve body PN 10. Flanges PN 16.

Type	DN	H	h1	h2	H1	H2	L	q_N [m³/h]	q_{max} [m³/h]	Weight [kg]	EAN	Article No
ZA 50	50	725	575	695	210	515	350	6	24	13	7640161646049	303041-30900
ZA 65	65	725	575	695	210	515	350	11	40	13	7640161646056	303041-31001
ZA 80	80	865	605	805	240	625	470	18	56	25	7640161646063	303041-31101
ZA 100	100	865	605	805	240	625	470	33	95	26	7640161646070	303041-31201
ZA 125	125	1085	665	965	300	785	635	58	148	72	7640161646087	303041-31301
ZA 150	150	1085	665	965	300	785	635	93	216	75	7640161646094	303041-31401
ZA 200	200	1365	740	1170	375	990	775	184	375	167	7640161646100	303041-31501
ZA 250	250	1605	795	1355	430	1175	890	336	575	242	7640161646117	303041-31601
ZA 300	300	1755	835	1465	470	1285	1005	535	815	277	7640161646124	303040-31701

Versions PN 16 and PN 25, applications TS > 160 °C and dimensions DN 350 - DN 600 are available upon request.

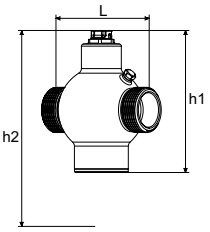


Automatic air vents and separators

Ferro-Cleaner

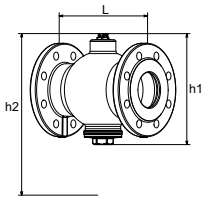
Type 80 - PN 16 with magnet or anode

DN	d	h1	h2	L	Weight [kg]	q_{max} [l/h]	Magnet	EAN	Article No
with Magnet									
32	1 1/4	140	220	110	1,5	5500	1	7640153570314	792 1100
with Anode									
32	1 1/4	140	220	110	1,2	5500	-	7640153570321	792 1101



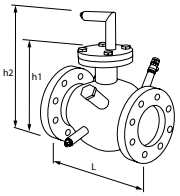
Type 150 - PN 16 with magnet and anode

DN	h1	h2	L	Weight [kg]	q_{max} [l/h]	Magnet	EAN	Article No
65	230	350	232	12,5	21 000	1	7640153570338	792 1102
80	230	350	232	13,5	28 000	1	7640153570345	792 1103
100	230	350	232	14,0	48 000	1	7640153570352	792 1104



Type 273 - PN 10 with magnet and anode

DN	h1	h2	L	Weight [kg]	q_{max} [l/h]	Magnet	EAN	Article No
125	500	800	375	22,0	72 000	1	7640153570369	792 1125
150	500	800	366	25,0	102 000	1	7640153570376	792 1126
200	500	800	366	30,0	180 000	1	7640153570383	792 1127



Type 323 - PN 10 with magnet and anode

DN	h1	h2	L	Weight [kg]	q_{max} [l/h]	Magnet	EAN	Article No
250	550	850	416	45	287 000	2	7640153570390	792 1128

Type 406 - PN 10 with magnet and anode

DN	h1	h2	L	Weight [kg]	q_{max} [l/h]	Magnet	EAN	Article No
300	590	890	512	50	410 000	2	7640161626560	792 1112

Type 606 - PN 10 with magnet and anode

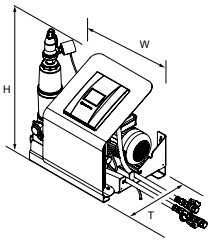
DN	h1	h2	L	Weight [kg]	q_{max} [l/h]	Magnet	EAN	Article No
400	780	1100	634	80	645 000	3	7640161626577	792 1113
500	780	1100	634	100	1 010 000	3	7640161629141	792 1114

Cyclonic vacuum degassing

Vento Connect

Simply Vento										
Type	**W**	**H**	**T**	**m [kg]**	**Pel [kW]**	**VNd [m³]**	**SPL [dB(A)]**	**dpu [bar]**	**EAN**	**Article No**
10 bar (PS)										
V 2.1 S	520	575	350	30	0,75	10	~55*	0,5 - 2,5	7640161642287	303030-10400

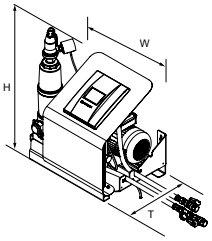
*) Pump operation



Simply Vento

Vento Compact Connect										
Type	**W**	**H**	**T**	**m [kg]**	**Pel [kW]**	**VNd [m³]**	**SPL [dB(A)]**	**dpu [bar]**	**EAN**	**Article No**
10 bar (PS)										
V 2.1 FE	520	575	350	32	0,75	10	~55*	0,5 - 2,5	7640161642294	303030-20400

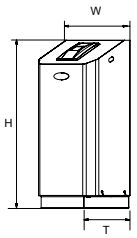
*) Pump operation



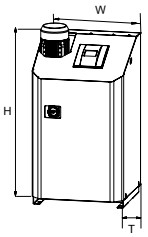
Vento Compact Connect

Vento V/VI .1 E Connect – for heating										
Type	**W**	**H**	**T**	**m [kg]**	**Pel [kW]**	**VNd [m³]**	**SPL [dB(A)]**	**dpu [bar]**	**EAN**	**Article No**
10 bar (PS)										
V 4.1 E	500	920	530	40	0,75	300	~55*	1-2,5	7640161629752	812 1101
V 6.1 E	500	920	530	42	1,1	300	~55*	1,5-3,5	7640161629769	812 1102
V 8.1 E	500	920	530	43	1,4	300	~55*	2-4,5	7640161629776	812 1103
V 10.1 E	500	1300	530	57	1,7	300	~60*	3,5-6,5	7640161629783	812 1104
13 bar (PS)										
V 14.1 E	500	1300	530	67	1,7	300	~60*	5,5-10	7640161629790	812 1105
25 bar (PS)										
VI 19.1 E	570	1086	601	78	2,6	300	~60*	6,5-15,5	7640161636774	303031-60600
VI 25.1 E	570	1258	601	85	3,4	300	~60*	10,5-20,5	7640161636781	303031-60700

*) Pump operation



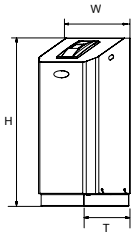
Vento V .1 E Connect



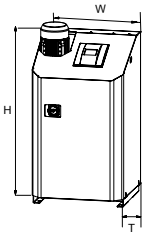
Vento VI .1 E Connect

Vento V/VI .1 EC Connect – for cooling										
Type	**W**	**H**	**T**	**m [kg]**	**Pel [kW]**	**VNd [m³]**	**SPL [dB(A)]**	**dpu [bar]**	**EAN**	**Article No**
10 bar (PS)										
V 4.1 EC	500	920	530	41	0,75	300	~55*	1-2,5	7640161629806	812 1201
V 6.1 EC	500	920	530	43	1,1	300	~55*	1,5-3,5	7640161629813	812 1202
V 8.1 EC	500	920	530	44	1,4	300	~55*	2-4,5	7640161629820	812 1203
V 10.1 EC	500	1300	530	58	1,7	300	~60*	3,5-6,5	7640161629837	812 1204
13 bar (PS)										
V 14.1 EC	500	1300	530	68	1,7	300	~60*	5,5-10	7640161629844	812 1205
25 bar (PS)										
VI 19.1 EC	570	1086	601	86	2,6	300	~60*	6,5-15,5	7640161636958	303031-70600
VI 25.1 EC	570	1258	601	94	3,4	300	~60*	10,5-20,5	7640161636941	303031-70700

*) Pump operation



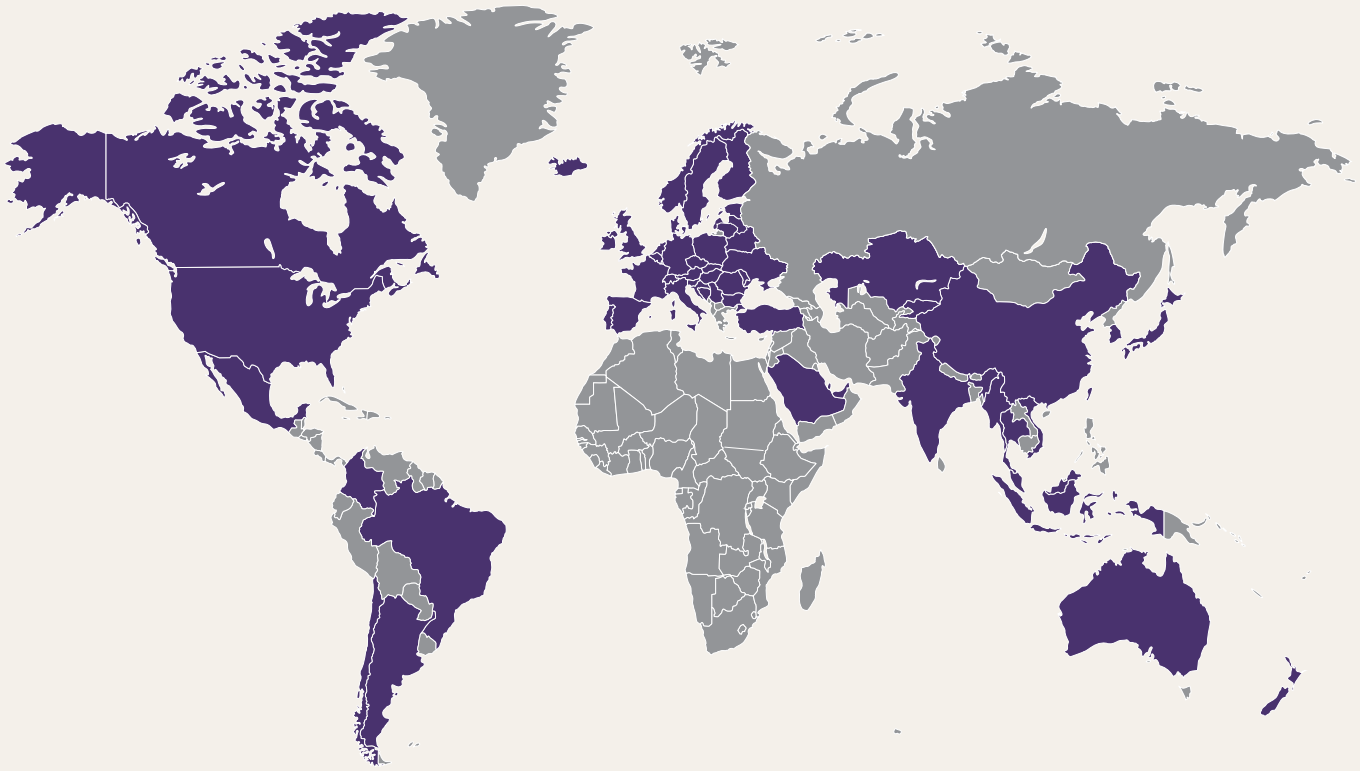
Vento V .1 E Connect



Vento VI .1 E Connect

How can we help you?

We are operating in more than 33 countries, please get in touch with one of our local offices and our expert team will be happy to help you.



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