

*Pressure
maintenance
solutions that
are LIKE YOU*



Simply Compresso



Statico



Compresso C10 F
Connect



Transferto TVI Connect

LIKE ME.

Expert, highly efficient and customer-orientated

IMI Pneumatex: A company like you

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

"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



LIKE ME.

Pioneer, responsive and experienced

We have never swayed from our belief that 'prevention is better than a cure', which is why we strive to continuously develop outperforming solutions and **ground-breaking technologies that will keep the HVAC system free from gas, dirt and sludge, ensuring its long life, stability and effective pressure control.**

However, innovation for innovation's sake is not what we're about. **Everything we do is driven by your needs** and every solution is designed to help solve the challenges you face – from space savings, energy efficiency to remote connectivity – **ensuring peace of mind for you and your customers.**



↙ An IMI Pneumatex Compressor system from the 60s



Why is pressurisation so important?



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

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

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

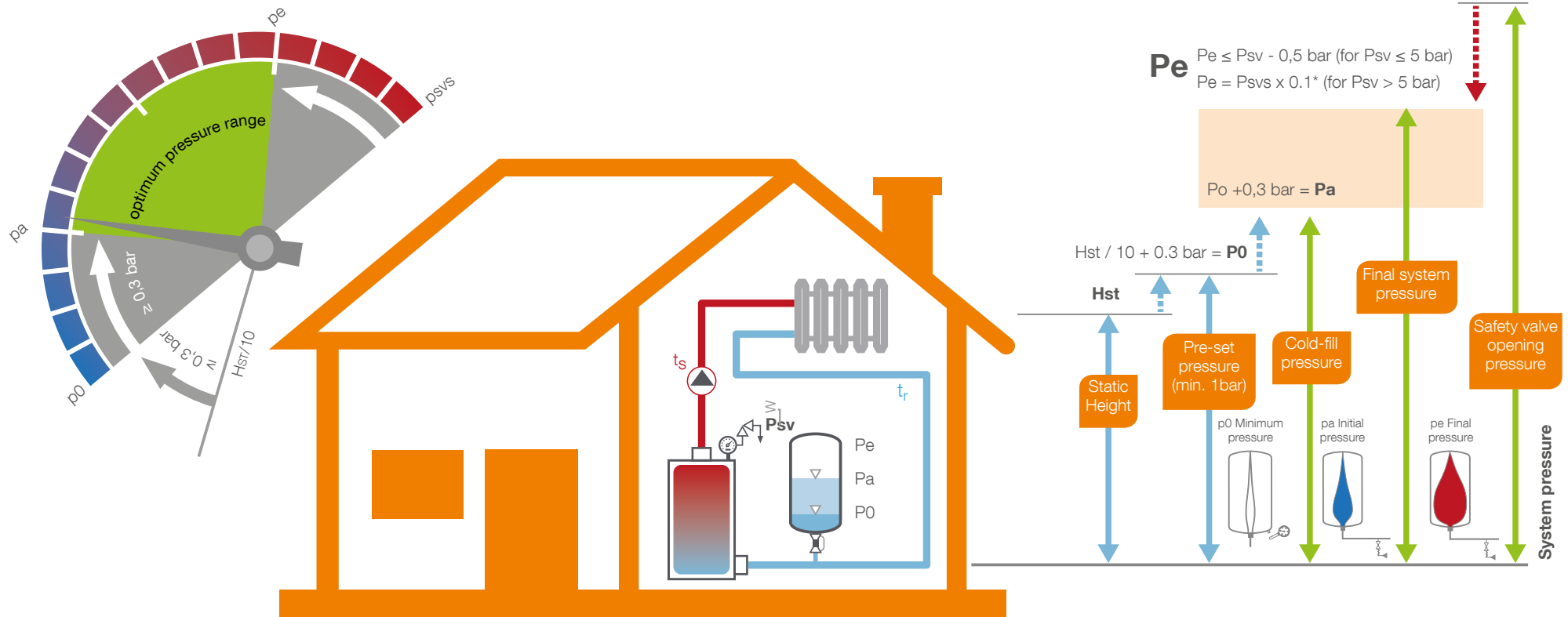
When **temperatures decrease**, the volume reduces and the drop in pressure can lead to air intake that causes corrosion, the biggest enemy of water-based HVAC installations.

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.**



* SWKI standard $P_e = P_{svs}/1.3$

A product range **like you**

Our pressurisation 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 80s that are still functioning perfectly."*

Vádó Lajos, Hungary



LIKE ME.

High-performing, adaptable and great under pressure

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 to large-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	Squeeze	Statico	Simply Compresso	Compresso Connect F	Compresso Connect	Transfero TV Connect	Transfero TVI Connect	Transfero TI
								
Product Features								
Volume	from 140L to 800L	from 8L to 800L	80L or 160L	from 200L to 700L	from 200L to 5000L	from 200L to 5000L	from 200L to 5000L	from 1000L to 5000L
Pressure Class	6 bar	3, 6 or 10 bar	3 bar	6 bar	10 bar	10 bar	20 bar	25 bar
EN Requirements	EN13831	EN13831	EN12828 EN12976 EN12977	EN12828 EN12976 EN12977	EN12828 EN12976 EN12977	EN12828 EN12976 EN12977	EN12828 EN12976 EN12977	EN12952/12953 EN12976 EN12977
Heating Application	✓	✓	✓	✓	✓	✓	✓	✓
Cooling Application	✓	✓	✓	✓	✓	✓	✓	✓
Solar Application	✓	✓		✓	✓	✓	✓	✓
Butyl Bag		✓	✓	✓	✓	✓	✓	✓
BrainCube Connectivity			✓	✓	✓	✓	✓	
Integrated Cyclonic Vacuum Degassing						✓	✓	
Integrated Water Make-up			✓			✓	✓	



Types of Applications

Whatever the size or scale of your project, IMI Pneumatex has a high-performing pressure maintenance solution for you.

"The range of IMI Pneumatex products is very impressive because you have solutions that are suitable for small residential projects all the way to district heating applications."

Antonio Asensio, Spain

An ideal pressurisation solution corresponds to the specific system requirements; such as sizing, heating load and static pressure.

Our easy-to-follow product chart will help you **discover which solution is most suitable for your system’s needs and challenges.**

Products	Application Types									
Static Pressure 0 bar 10 bar ► 20 bar										
										
	Small Residential	Large Residential	Small Building	Supermarket	Shopping Mall	Large Commercial Building	Hospital	Skyscraper	District Energy	
Squeeze		✓								
Statico	✓	✓	✓	✓						
Simply Compresso		✓	✓							
Compresso Connect F			✓	✓						
Compresso Connect				✓	✓	✓	✓			
Transfero TV Connect				✓	✓	✓	✓			
Transfero TVI Connect						✓	✓	✓	✓	
Transfero TI								✓	✓	
Q / Power: 0 MW 1 MW 3 MW 10 MW ► 160 MW										

And remember, our **global sales force and technical support team** are always available to provide

expert advice and know-how to help you create high-performing HVAC installations.

Unique qualities like you

High-quality materials, intelligent support and original technologies ensure our all-encompassing range of pressurisation solutions help you meet every 21st Century challenge.

"The fact that you are always ahead in terms of innovation, means I get the news of what is new in the market through IMI Pneumatex"

Gehard Heiling, Austria



LIKE ME.

Innovative, resilient and with a track record of success

Software & Apps

Our range of Planning & Calculation tools take the guesswork out of system planning, making it the ideal complement to our pressurisation 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; simply input pipe lengths, terminal unit design flow and differential pressure to create an optimal system design.

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.



You can download the HySelect software on our website



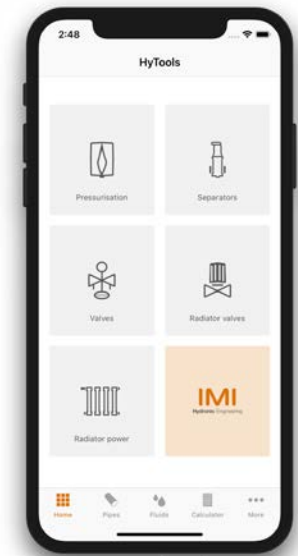
HyTools

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





The Butyl Bag

Our heritage vulcanised Butyl Bag provides five to ten times higher gas resistance than any other comparable membrane, the lowest in the market.

"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 Butyl Bag guarantees long-term durability and performance across the IMI Pneumatex range*

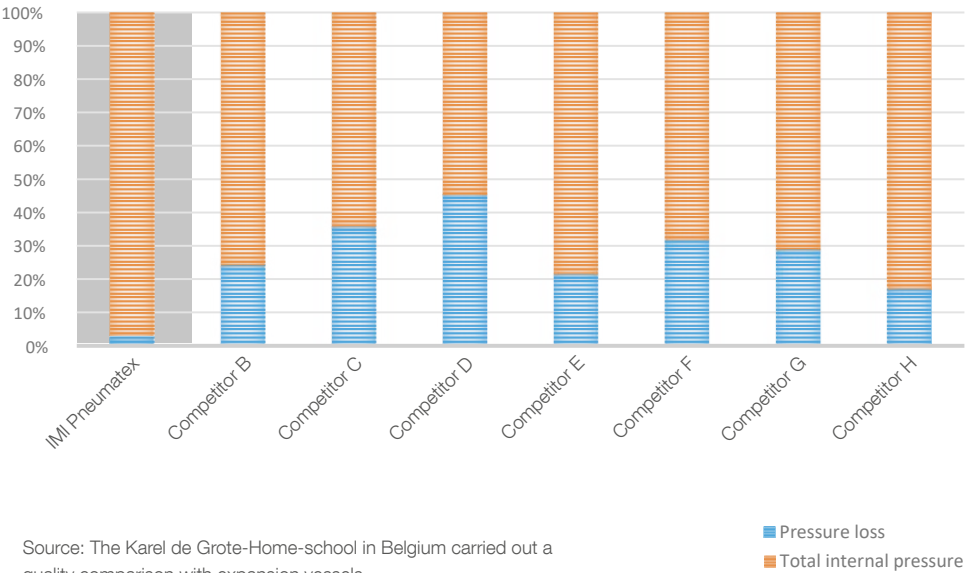


Proof of performance.

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

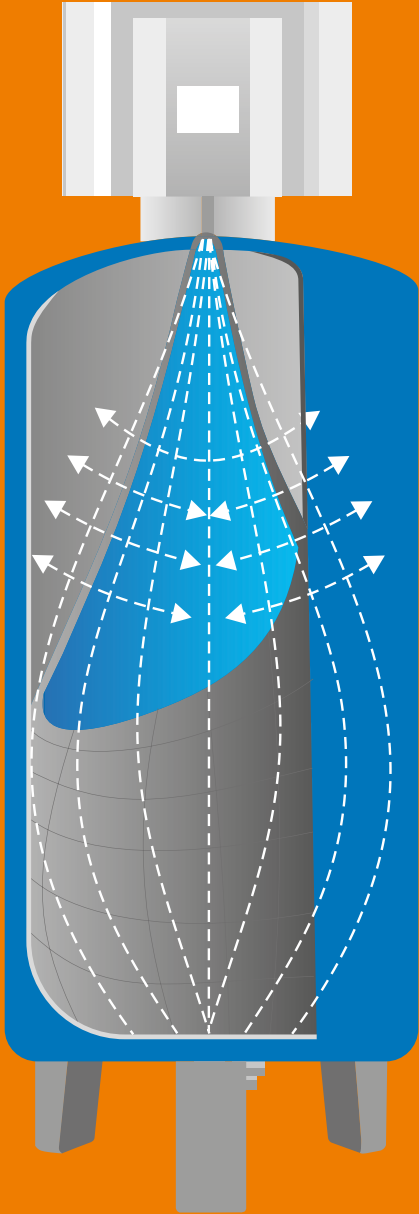
The graph below illustrates how the IMI Pneumatex vessel equipped with **Butyl Bag was at least 5 times more efficient at maintaining optimal pressure than the other expansion vessels tested.**

Yearly loss of pre-set pressure after 1 year of operation



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

Industry-leading durability.
IMI Pneumatex was the first to equip a vessel with a butyl bag back in 1955.
We're so confident in the resilience of our vessels equipped with the air-proof butyl bag that we offer a five-year warranty on every solution that includes it; the highest in the market.



* Squeeze is only the static expansion vessel from IMI Pneumatex equipped with a SBR membrane instead of a Butyl Bag. While the Butyl Bag provides unparalleled performance and resilience, Squeeze still provides a good level of diffusion tightness. So now our customers get even more choice when it comes to size, budget and performance.

The Brain Cube

The unique BrainCube control panel enables full connectivity as standard in our Compresso and Transfero range to help you stay in control any time, from anywhere.

"It is a significant improvement by IMI Pneumatex that you can remotely control the system via your smartphone or laptop."

Stefan Schwenk, Germany

Connected interface.

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.**

The illustration below shows the flow of system information. If a system fault is detected, an alert will be sent directly to the customer who can view the alert message on their phone, look into the system settings, make adjustments or call for service before the problems gets worse.



RS485

Remote Connection

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 or TCP
- Communication with KNX or BACnet networks via modules
- Communication with previous BrainCube generation
- Communication in Master-Slave operation



USB

Service Connection

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.



Ethernet

Direct Connection

Direct connection via router or GSM gate to IMI Cloud or modem communication protocols.

- Enables a 2-way communication.
- Direct communication with BMS (MODBUS and IMI Pneumatex protocol).
- Communication with KNX or BACnet networks via adapters.

Seamless Integration.

The BrainCube integrates with Building Management Systems (MODBUS and IMI Pneumatex protocol) KNX or BACnet networks through standardised Ethernet , RS485 adapters or direct connection via USB

to give you total visibility and control.



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.

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

Mathew Shiby, Singapore

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.**

Don't just take our word for it!

Hear directly from our customers how IMI Pneumatex has helped make their great projects possible.



The Energy Centre, UK



Flower Auction, Netherlands



Museum of Tomorrow, Brazil



Aeroporto Internacional de Confins/BH (CNF), Brazil



Ethias Head Office, Netherlands



Walter Meier office, Switzerland

IMI HE products used: Simply Compresso

"I installed a Simply Compresso in April 2017 and so far I only had a positive experience. The product is compact, high quality and the BrainCube technology offers me a new level of control. The installation was very simple and the support from IMI HE was very good. Thanks for the innovation!"

Björn Rodenkirchen from Walter Meier, Switzerland



Asia Square Tower, Singapore

IMI HE products used: Transfero Connect and Statico buffer vessel

"After installing Transfero Connect the cooling performance of the chilled water system has improved. The pressure is well maintained and the risk of erosion, corrosion and other gas-related problems were minimised. We appreciate the support and technical advice on the system design."

Matthew Shiby from DuPont, Singapore



Emerald Residence Palace, UAE



17th FINA World Championship Water Sport Complex, Hungary



ZMK Hospital, Netherlands

IMI HE products used: Compresso Connect, Vento Degasser and Zeparo Cyclone

"We decided to install a complete IMI Pneumatex solution with Compresso Connect, Vento connect and Zeparo Dirt Separators because we wanted the assurance that the system's pressurisation and water quality would be taken care of. In a hospital we need to take every precaution to prevent system failure and breakdowns, so I knew IMI Pneumatex products were the right choice"

Main Contractor in the ZMK Hospital Project, Belgium

IMI HE products used: Statico and Pleno Water Make-up

"The pressurisation vessels from IMI Pneumatex were vital to the feasibility of the project's ambitions and thanks to the innovative cooling technologies used, the Museum could obtain the LEED Gold certification granted by the Green Building Council and the MIPIM Awards 2017 in Cannes, France in the "Most Innovative Green Building" category.

Mauricio de Barros, owner of the engineering firm Consultar Engenharia, in Brazil

Technical information

Fixed air cushion systems

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

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
6 bar (PS)									
SU 140.6	140	3,5	420	1268	1489	25	R3/4	7640148630221	710 2008
SU 200.6	200	3,5	500	1338	1565	33	R3/4	7640148630238	710 2009
SU 300.6	300	3,5	560	1469	1692	39	R3/4	7640148630245	710 2010
SU 400.6	400	3,5	620	1532	1760	57	R3/4	7640148630252	710 2011
SU 500.6	500	3,5	680	1628	1859	66	R3/4	7640148630269	710 2012
SU 600.6	600	3,5	740	1638	1874	76	R3/4	7640148630276	710 2013
SU 800.6	800	3,5	740	2132	2360	100	R3/4	7640148630283	710 2014

Squeeze SQ Slim, cylindrical model

Type	VN [l]	p0 [bar]	D	H	H***	m [kg]	S	EAN	Article No
6 bar (PS)									
SQ 140.6	140	3,5	420	1278	1489	25	R 1	7640161636361	30101131200
SQ 200.6	200	3,5	500	1380	1565	33	R 1	7640161636378	30101131400
SQ 300.6	300	3,5	560	1488	1692	39	R 1	7640161636385	30101131600
SQ 400.6	400	3,5	620	1540	1760	57	R 1	7640161636392	30101131700
SQ 500.6	500	3,5	680	1629	1859	66	R 1	7640161636408	30101131800
SQ 600.6	600	3,5	740	1606	1874	76	R 1	7640161636415	30101131900
SQ 800.6	800	3,5	740	2100	2360	100	R 1	7640161636422	30101132200

Dynamic air cushion systems – with compressors

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

Simply Compresso C 2.1-80

Precision pressure maintenance ± 0.1 bar, ECO-night mode. 1 compressor, 1 spill valve, 1 primary vessel

Type	PS [bar]	VN [l]	B	H	T	m [kg]	Pel [kW]	Article No
C 2.1-80 S	3	80	603	1107	481	?	0.3	30102141000

Simply Compresso C 2.1-80 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]	VN [l]	B	H	T	m [kg]	Pel [kW]	Article No
C 2.1-80-SWM	3	80	603	1107	481	?	0.3	30102141002

VN = Nominal volume

Compresso C 10.1 F 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 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 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	50	1,3	7640161628212	810 1434
C 15.1-10.0	10	520	1060	350	50	1,3	7640161628229	810 1435

Compresso C 15.2 Connect

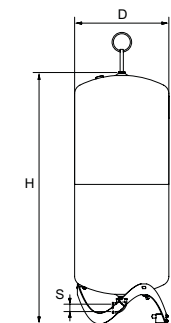
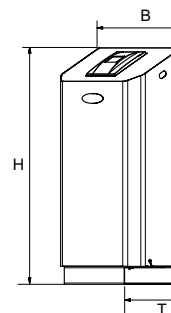
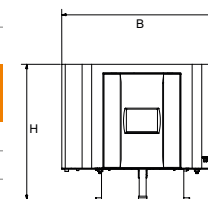
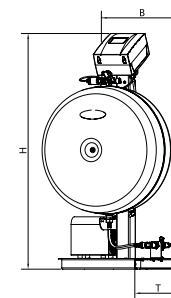
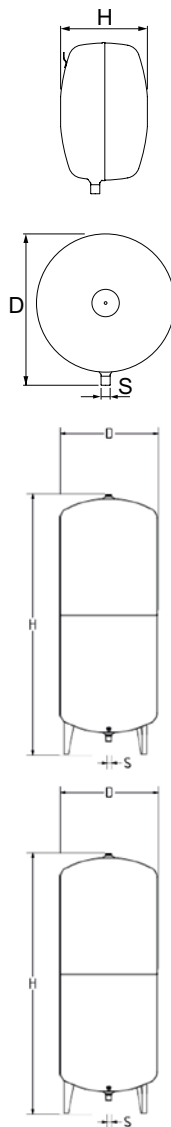
Precision pressure maintenance ± 0.1 bar. 2 compressors. Valve manifold with 2 spill valves and safety valve. Switching is time and load dependant.

Type	PS [bar]	B	H	T	m [kg]	Pel [kW]	EAN	Article No
C 15.2-6.0	6	520	1060	350	88	2,6	7640161628267	810 1474
C 15.2-10.0	10	520	1060	350	88	2,6	7640161628274	810 1475

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 pumps

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

Transfervo TV .1 E Connect

Precision pressure maintenance $\pm 0,2$ bar. 1 pump. 1 spill valve for degassing and pressurisation. 1 solenoid valve and 1 water meter for water make-up.

Type	B	H	T	m	Pel	dpu	SPL	EAN	Article No
				[kg]	[kW]	[bar]	[dB(A)]		
10 bar (PS)									
TV 4.1 E	500	920	530	40	1489	25	R 1	7640161636361	30101131200
TV 6.1 E	500	920	530	42	1565	33	R 1	7640161636378	30101131400
TV 8.1 E	500	920	530	43	1692	39	R 1	7640161636385	30101131600
TV 10.1 E	500	1300	530	50	1760	57	R 1	7640161636392	30101131700
13 bar (PS)									
TV 14.1 E	500	1300	530	69	2360	100	R 1	7640161636422	30101132200

Transfervo TVI .1 EH Connect

Precision pressure maintenance $\pm 0,2$ bar. 1 pump. 1 spill valve 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	Pel	dpu	SPL	EAN	Article No
				[kg]	[kW]	[bar]	[dB(A)]		
16 bar (PS)									
TVI 19.1 EH	570	1086	601	85	2,6	6,5-15,5	~60*	7640161636767	30103280600
25 bar (PS)									
TVI 25.1 EH	570	1258	601	94	3,4	10,5-20,5	~60*	7640161636712	30103280700

Transfervo TV .2 EH Connect

Precision pressure maintenance $\pm 0,2$ bar. 2 pumps. 1 spill valve 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	Pel	dpu	SPL	EAN	Article No
				[kg]	[kW]	[bar]	[dB(A)]		
10 bar (PS)									
TV 4.2 EH	680	920	530	50	1.5	1-2,5	~55*	7640161629554	811 1520
TV 6.2 EH	680	920	530	53	2.2	1,5-3,5	~55*	7640161629561	811 1521
TV 8.2 EH	680	920	530	56	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	5,5-10q	~60*	7640161629592	811 1524

Transfervo TVI .2 EH Connect

Precision pressure maintenance $\pm 0,2$ bar. 2 pumps. 1 spill valve 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	Pel	dpu	SPL	EAN	Article No
				[kg]	[kW]	[bar]	[dB(A)]		
16 bar (PS)									
TVI 19.2 EH	751	1086	601	132	5,2	6,5-15,5	~60*	7640161636927	30103290600
25 bar (PS)									
TVI 25.2 EH	751	1258	601	150	6,8	10,5-20,5	~60*	7640161636729	30103290700

Transfervo TU

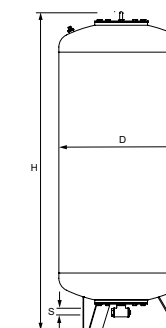
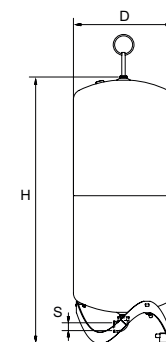
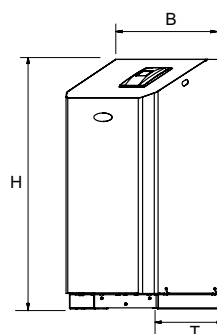
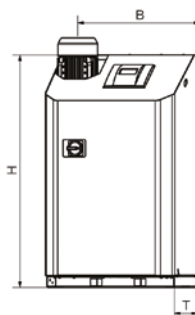
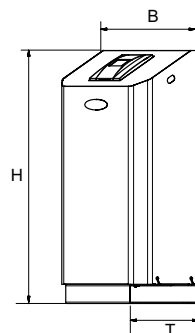
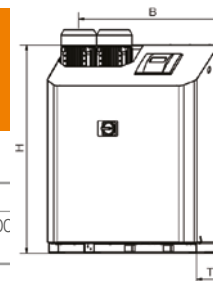
Primary vessel. Measuring foot for content measurement. Including assembly kit for the water-side.

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

Transfervo 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	2098	2264	280		Rp 1 1/4	7640148631716	713 1006
TG 1500	1500	1016	2247	2466	360		Rp 1 1/4	7640148631723	713 1007
TG 2000	2000	1016	2746	2928	640		Rp 1 1/4	7640148631730	713 1012
TG 3000	3000	1300	2847	3130	800		Rp 1 1/4	7640148631747	713 1009
TG 4000	4000	1300	3492	3726	910		Rp 1 1/4	7640148631754	713 1010
TG 5000	5000	1300	4137	4336	1010		Rp 1 1/4	7640148631761	713 1011



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