



**Reflex –
Growing with products & people**



Reflex – You can depend on us!

The Reflex brand name is well known in Europe and throughout the world as a major leader in pressure control technology for heating, chilled and potable water applications. Our world wide growth has allowed us to build several state-of-the-art manufacturing facilities supplying the industry with outstanding quality products.

Reflex Winkelmann GmbH + Co. KG having its headquarters in the Westfalian city of Ahlen is a recognized leader not only in expansion vessels but a significant manufacturer of advanced system solutions such as compressor and pump-controlled pressurization systems, automatic air separation systems and hot water heaters.

Reflex has achieved its significant global growth today thanks to the unique combination of its world-class manufacturing skills, dedication to high product quality at an affordable price and its commitment to continuous technical training of its people, our most precious resource. Our tradition goes back to 1898, this family oriented company started its core business in the elaboration of steel. A business in which we are recognized leaders today. The Heinrich Winkelmann Group form the parent company to a whole group of diversified manufacturing companies serving the heating segment and the whole automotive industry with over 2.300 employees. A tradition of more than hundred years in this business makes us real experts today.

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NEW!



Most durable material, outstanding German design, innovative solutions

We at Reflex are aware of the importance of how our brand could contribute in pioneering innovative but simple ways to serve the specifying engineers and the HVAC contractors. Provided creative and carefully designed solutions to keep residential and residential systems operate efficiently and economically. Adopt new concepts to help customers reduce maintenance and operating cost. We have the wide range, years of expertise and experience, we are flexible: Reflex is your right interface.

**Our customer base knows:
You can rely on reflex**

Reflex supports the professional with not only quality engineered products but with continuing assistance to help them solve the problems they face in their daily business. Sharing our experience, product knowledge, know-how and expertise with our customers, day by day, made the industry professionals count on us: Reflex.



Reflex Innovation: the dialogue between experts continues ...

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In recent years, fundamental research by our engineers has led to the development of a new generation of equipment to serve pressure maintenance and deaeration industry. We are proud to be associated with the prestigious Technical University of Dresden - Germany. This association has led to the innovation of a new generation of products such as the reflex 'variomat' and the reflex 'servitec'.

Our creative, innovative engineering team will continue to work on more highly effective solutions, day after day. And they will never stop!



reflex

Automatic water make-up and deaeration systems



Yes, we will solve your air related problem in your heating and chilled water system:

Reflex wide range of products offer you a whole new generation of units and systems of different models and capacities to help you overcome the corrosion problems and efficiency loss due to the air related problems in your installation.

reflex 'servitec':

The optimal deaerator: guarantees the removal of all free and dissolved gases from your heating and chilled water system. Suitable for various industrial applications as well as large buildings, district heating systems & greenhouse installations.

reflex 'control':

Improves the efficiency of your sealed system by supervising the operation of your expansion vessel and filling automatically your installation.

Heat exchangers, indirect & solar storage, water heaters systems, buffer tanks



Our classic program of indirect and solar water heaters and solar systems has been expanded to include heat exchangers.

A valuable addition to our water heating product range which open new opportunities in a market segment which Reflex is serving for many years.

Our quality glass-lined water heaters are serving millions of households each day with uninterrupted hot water. Our water heaters are linked to space heating boilers to deliver hot water in hotels, sport accommodations, hospitals and various commercial applications.

reflex 'longtherm':

The compact, optimum price quality heat exchanger. Ideal for water heating applications, chilled water systems, industrial processes, solar and district heating systems.

reflex Indirect water heaters:

Reflex is a strong name in the water heating industry. Our glass lined tanks could be delivered with an internal heat exchanger (indirect fired) to be integrated in your space heating system or just as an isolated storage tank to be combined with plate heat exchanger (storage tank) to serve peak demands in a hot water installation.

reflex buffer tanks:

For storage of heating and cooling water.

Pressurization systems

Reflex has both the answers and the solutions to your expansion control problems. Our product range is unique. Our units can serve expansion systems from the tiny household installation to the giant multi-story building.

We offer the total program: from the classical diaphragm type expansion vessel to the multi-functional 'variomat' pressurization unit or even more, we supply our special 'gigamat' units to exceptionally large systems.

Whichever Reflex expansion vessel or system you choose: you can rely on our quality.

'reflex':

The most reliable expansion vessel for sealed heating, chilled water and solar applications.

'refix':

Pressure vessels for potable water applications, hydro-pneumatic well applications, pressure booster supply systems and water shock-arrestors.

reflex 'minimat':

The compressor-controlled compact solution.

reflex 'reflexomat':

Will keep your system under control within the narrowest pressure level. 'reflexomat' compressor-controlled pressurization units have been our speciality for the past 25 years.

reflex 'variomat':

Beside expansion control, this innovative & multi-functional pump-controlled pressurization unit will perform as a deaeration as well as an automatic water make-up unit.

reflex 'gigamat':

Pump-controlled pressurization units for large KW input installations.

And of course, Reflex offers a complete range of accessories for pressure control, automatic water make-up and deaeration systems.

Having a wide spectrum of products, having the toughest most dependable tanks in the industry, being one the 1st companies in our branch to obtain ISO 9001 certification several years ago, offering you the best buy in quality for each product, with our continuous search and development of new products to mach market needs, with unfailing support for customer service, with professional technical back-up and the possibility to tailor solutions to specifying engineers and heating contractors and with maximum care to conservation of our environment: all the above features makes Reflex the leader in our field today!



reflex 'gigamat' tailor-made system:
Building tailor-made pump-controlled units
is our tradition.
Reflex could offer such units to accommodate
systems up to 250 MW input.

Reflex meets and exceeds the toughest standards

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It is not unusual for a German product to meet or even exceed the most stringent norms in Europe. For more detailed information about approval of Reflex products in a specific country, please contact the Reflex subsidiary, representation office, your Reflex distributor in your country or contact the Reflex export department in Ahlen/Germany.

reflex 'variomat':
Expansion control, automatic water make-up
and system deaeration combined in only
one unit. Since its launching,
'variomat' is a symbol of functionality.



Reflex – Hot line: on-going technical support

We attach high values to customer support. For those who call us in Germany, specifying engineer or heating contractor, system designer or technical wholesaler. Our customer service specialist will take your call on the Reflex hot line and will assist you all the way. Also, we have an army of technical salesmen on the road to visit architects, system designers engineering offices as well as local governments, public works etc. For those countries where there

are subsidiaries or representation offices, the well-trained Reflex technical personnel will assist you. For other countries, Reflex has an extensive distributor network. Our international distributors have something in common: they all are technical, they receive regular training on Reflex products and they are in constant contact with the Reflex main office in Ahlen - Germany. For additional inquiries, please refer to Reflex export department in Germany.



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We are satisfied as Reflex customers. We think the secret of Reflex success lies not only with their product but also with their people. The professional approach, experienced knowledge of products and market application: help us achieve excellence in our work.

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Reflex product catalogue with valued information about products and applications. Especially designed to serve specifying engineers, specialized heating contractors, heating system designers and technical wholesalers.

Coming soon!
Reflex Product manual & DVD

It's a practical help for specifying engineers, specialized heating contractors, heating system designers and technical wholesalers. A detailed overview of the whole product scope with the sizing program, graphical view of installation examples...and more. Reserve your copy now.

Reflex is committed to the idea of organizing periodic technical training's, product information meetings and seminars in our own facilities or on location at our distributor. For further information, contact your local Reflex office.



Reflex DVD in its unique format will assist you in sizing your expansion, automatic water make-up and deaeration systems. The system designer would be able to use the graphic-aided diagrams.



Reflex –

We want the environment to benefit from our progress

Real progress is only achieved when man takes care of natural resources. Therefore, we favour materials and production technology which offer maximum environmental compatibility. Taking care of and assuming responsibility for the environment has been and will always be one of the principles of Reflex.



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