



NEWS



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SWITCH FIX

The new HERZ-Reverse switch – the multi-purpose switch among heating connections



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GUESTS FROM UZBEKISTAN

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REVIEW OF ISH 2001

New cover for HERZ-3000 Connection system – one of the HERZ innovations presented during the fair

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HERZ-Circuit Regulating and Shut off Valves

Well thought out construction for perfect hydraulic balancing.

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NEW: HERZ-Y-Valves with male thread

From now on the HERZ-Strömmax, straight type, is available within the range of DN 15 up to DN 50. For the DN 15 design we offer an additional design, conical sealed, with 3/4" Euro cone for easier connection of plastic and copper pipes. Page 4.

Easy adjustment:

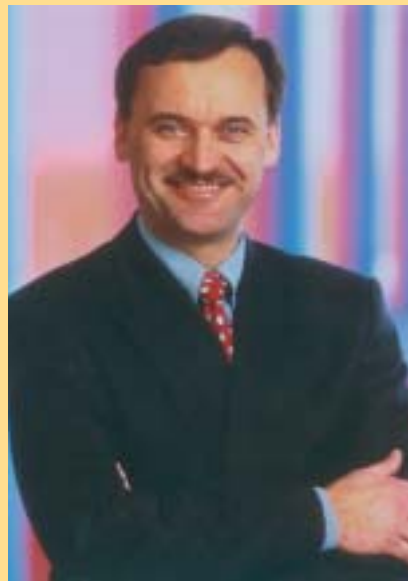
The new HERZ-Flow Plus adapter for measuring computers was presented during the ISH 2001. It facilitates hydraulic adjustment tremendously, even in adverse conditions. Page 4

*Dear customers and partners,
dear friends of HERZ,*

After the first release of HERZ NEWS published at the beginning of the year and the special edition published on the occasion of the ISH 2001, you now get the third release of our magazine.

We are pleased with the strong and positive feedback we got after these first releases. It strengthens our resolves and efforts to consider your numerous ideas and suggestions.

Your request for more detailed product information and reports about innovations has already been taken into account. On page 4 and 5 you find extensive information headlined »Products and innovations«. You will find an article concerning our new HERZ-Reverse switch »Switch Fix« which shows with the help of examples and diagrams the various application fields of this new and flexible heating connection.



The article about the HERZ-Strömax product group summarises the numerous applications, including some new fields of application. HERZ also fulfilled the desire of our customers to offer a complete range of HERZ-Shut off Valves made of de-zincification special brass for drinking water supply. We are proud that we recently have been awarded with the ÖVGW quality brand »Water« for HERZ-Strömax W and WD (Y-type)!

Yours truly,

Dr. Gerhard Glinzerer
General Manager



ÖVGW quality brand water for models
24115xx/Reg.No. W 1.331 and
24125xx/Reg.No. W 1.332

What's new at HERZ

HERZ Feuerungstechnik:
NEW: Product brochures
and Web-site

HERZ Feuerungstechnik – all fresh! In order to inform our customers better about heating methods not harmful to the environment with HERZ fuel engineering



NEW: www.herz-feuerung.com

systems, we now offer three brand new brochures. Learn more about our high quality HERZ boiler with our leaflets »Heating with pellets«, »Heating with chips and pellets« and »Heating with unit loads«. Ask for information at HERZ Feuerungstechnik, 8272 Sebersdorf/Austria, Fon +43(0)3333-2411-0 or order it online at www.herz-feuerung.com. Also this web-site has a fresh design, new information and systematic layout!



The new brochures offer information, clearly laid out and with sophisticated design, on the advantage of »Heating with HERZ«! Thanks to products like pellet or chips heating systems, wood burning boilers and classic solid fuel boilers, HERZ can offer a complete range from 3 kW to 500 kW for the low-pollution combustible wood.



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HERZ in Italy

... so young but so successful!

The newly established company Klimit was established 1995 in Vicenza. Since 1998 it exclusively represents HERZ Armaturen in Italy. « Thanks to the high quality products and the solid experience of HERZ, this Austrian company is a true alternative to our Italian producers », say HERZ representants Manuel Moro and Maurizio Duso.

The HERZ-Rod-Type stands for best-selling line

„It was quite a challenge to enter the Italian market, but thanks to dedication, persistence and confidence in high quality standard, we've already been successful and achieved good results in 1998“, tell Moro and Duso. In the meantime, Italian plumbers prick up their ears when they hear about HERZ-Products. And this is due to innovative technical solutions offered and guaranteed by the Vienna company.

HERZ-Skirting board system - international

... also used in Moldova and Armenia

Latest orders from Armenia and Moldova prove that the new HERZ-Skirting board system is not only successful in Austria but also on international ground. The wooden and plastic skirting boards, user-friendly and easy to assemble, along with the appropriate accessories and the reliable HERZ-Products like the valve- and fitting range are already used in new buildings and rehabilitation all over the world.

Especially in Armenia – in preparation of the countrywide celebrations in June on the occasion of « 1700 years of Christianity » – the level of building activities and reconstruction sites is extremely high – and HERZ is pleased to be part of these activities!



The new HERZ-Skirting board system with appropriate accessories – available in the colours light oak, ash (white), beech, birch and white.



A young team, responsible for HERZ sales in Italy: Mauro Stevanin, sales Veneto, Trentino, Friuli; Barbara Iseppi, sales Vicenza; Manuel Moro, sales manager and Maurizio Duso, administration manager, (from left to right), at the Klimit exhibition stand during »Termoidraulica« in Padua, in April 2001.

The main attraction has been the new Rod-Type Distributor with its Distributor Cabinets that completes the classic product range of Thermostatic Valves and Return Valves.

HERZ-Thermostatic Heads – another challenge

The Italian market is not yet ready to accept the Thermostatic Head as suitable element to control room temperature. Most of the installations are still equipped with manual control valves. But the Klimit staff are optimistic: „With the help of constant information and training, we will eliminate existing doubts and restrains!“ In co-ope-

ration with planning agencies and renowned plumbing companies, several interesting projects have already been realised, e. g. the hospitals in Piacenza and Udine as well as the sanatorium »L'istituto Trento di Vicenza« have been equipped with HERZ-Products.

The Klimit team has ambitious plans for the future: „Thanks to regular expansion of Klimit, sales of HERZ in Italy have been doubled in comparison to the previous year. We plan to double these figures again this year and this target will be achieved with the help of Austrian quality“, say both gentlemen optimistically.

HERZ-Valves become fashionable in Denmark

Arhus, Denmark's second largest city, describes itself as the smallest city of the worlds' metropolis. It has everything necessary to form a large city but nevertheless kept its smooth charm.

Anyway, there are many HERZ supporters in Jütlands' capital, and this fact was enough for the local TV station to show a report!

So far, in Arhus there are 12.000 pieces of HERZ-Thermostatic Valves used in numerous apartments – a special production with increased kv-value. The largest local residential building company, the »Brabrand Wohnungsbaurein«, swears by the

HERZ service, including quality as well as flexibility and price.

Recently HERZ applied for a large project and one of the HERZ competitors, situated in the »North«, applied for the tender too. Also this company has been Brabrand's main supplier over the last 25 years, HERZ got the order thanks to its outstanding proportion of price and performance. Imagine how amazed the »Northerners« must have been. The Arhus residential building company reacted quickly and since then relies on HERZ-Valves from Austria. It has become one of the biggest HERZ supporters in Denmark, no matter how large or small their city may be.

NEW: SWITCH FIX

The HERZ-Reverse switch – new freedom for heating design

A terrace door. A massive built-in cupboard. A break of a wall. These and similar conditions complicate the installation or modification of heating systems and make it impossible to place all thermostatic valves in one direction. Now, HERZ offers a solution!



HERZ-Reverse switch »Switch fix«

Article number 1 3030 01

- Cross-free piping and connection!
- Advance and reverse motion towards radiator – easy to switch by means of a wrench!
- Pipe installation and compression trial without radiator!
- Technical perfection, invisible inside walls!

New flexibility in connection for every need

»Switch fix« allows cross free piping of the radiators' connecting branches to the ducts of a two pipe heating system. Depending on demand, right or left-sided connection is possible. The HERZ-Reverse switch guarantees adherence to circulatory direction and perfect operation of the thermostatic valves. The well-known problem of cross-placed pipes can be eradicated!

The all-rounder among fittings – shut off and switch

With the HERZ »Switch fix« you can either shut off the radiators' connection circuit or change the direction of flow to give either forward or reverse motion towards the radiator. In order to shut off the radiator you have to twist the spindle by means of a square spanner (in vertical direction to floor, respectively in vertical direction to longitudinal axis of distributor).

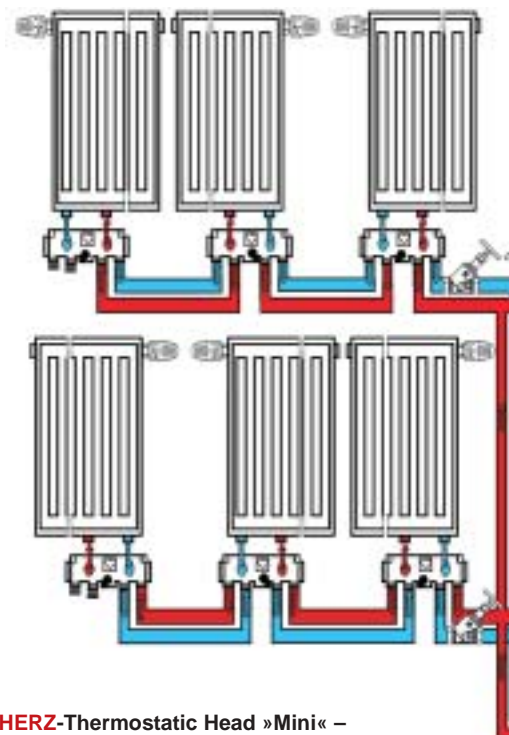
It is possible to switch from advance to reverse connection and backward by means of a wrench that is placed on adjusting spindle. Starting from the shut off position, the wrench is twisted by 40° clockwise or anticlockwise.

Individual piping

The piping of each heating circuit is made from distributor to distributor. In order to avoid that pipes are crossed, flow pipe can be fastened either on inside or outside connection of the two-pipe distributor. To change advance and reverse connection towards radiator, change stop motion device at pipe distributor. The direction of flow inside the radiator can be altered at will.

Compression trial and pipe installation without radiator assembling

As soon as all distributors are in shut off position and the heating circuit is completely lined, the compression trial can be effected – and you do not have to assemble



HERZ-Thermostatic Head »Mini« – extremely small in size, with elegant design

4115: HERZ-Strömax, the reliable Shut off Valve (Y-valve), available in dimensions DN 10 up to DN 80

4217: HERZ-Strömax GM, innovative Circuit Regulating Valve, straight type, DN 15 up to DN 80 for hydraulic adjustment in heating systems

4215: HERZ-Strömax G, the HERZ-Shut off Valve, straight type (DN 15 up to DN 80)

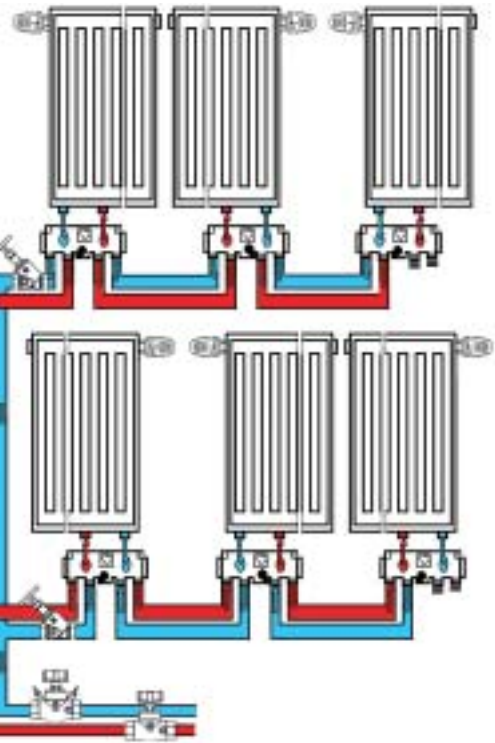
Possibilities of circuit control of distributor

Heating circuit		Shut off position	Radiator	
Advance motion	Reverse motion	Advance motion	Reverse motion	
Top	Bottom	Right	Right	Left
Top	Bottom	Left	Left	Right
Bottom	Top	Right	Left	Right
Bottom	Top	Left	Right	Left

radiator first. After the radiator has been assembled, the distributors have to be connected with the HERZ-Reverse switch by means of the HERZ-Connection Union. By heating the radiator, the correct connection of advance and reverse motion can be checked. If adjustment is necessary, you simply switch over!

Easy renovation and maintenance

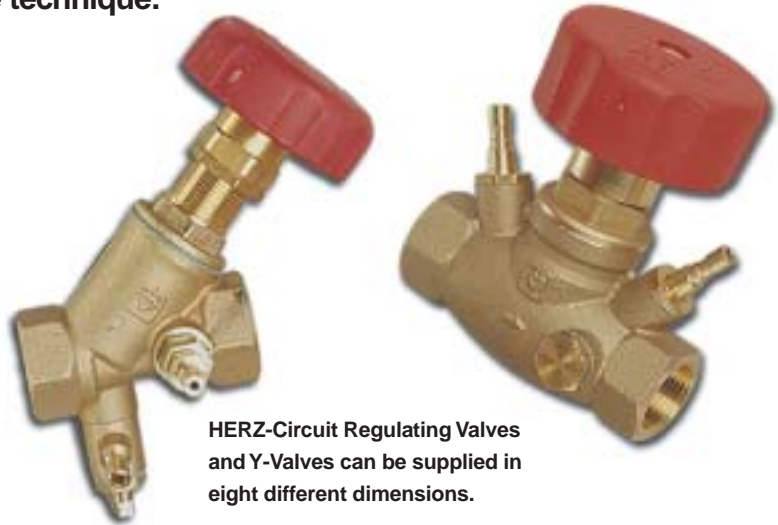
If it should be necessary to dismount one single radiator, for example small renovation works, you can do this in an easy and comfortable way. Just get the adjusting spindle in shut off position.



HERZ-STRÖMAX (Model GM, GR, M, R)

Perfect HERZ-technique for perfect hydraulic adjustment

HERZ-Circuit Regulating Valves and Shut off Valves STRÖMAX, Y-valves and straight model, offer extreme comfort and reliable technique.



HERZ-Circuit Regulating Valves and Y-Valves can be supplied in eight different dimensions.

In addition to this HERZ-Product Range there are numerous innovations, which facilitate the usage of HERZ-Strömax even more and open up new application fields:

- **NEW: Solution for unfavourable assembling areas**

For the HERZ-Flow Plus measuring computer for HERZ-Strömax we now offer a new single-hand control adapter.

- **NEW: HERZ Y-Valves with male threads**

The seat seal type for HERZ-Strömax can now be offered in dimensions DN

15 up to DN 50. The conic seal type is additionally available in DN 15 with 3/4" Euro cone. Less time intensive and user friendly installations come true.



- **NEW: HERZ-Shut off Valves for drinking water supply**

HERZ has taken its customers wishes into account and now offers a complete range of HERZ-Shut off Valves in non-deszincification brass for drinking water supply. Recently we have been awarded with the ÖVGW quality brand »Water« (Reg. No. W 1.331 and W 1.332) for HERZ-Strömax W and WD, Y-type (article numbers 24115xx and 24125xx).

While dimensioning of heating systems, the target is to create a comfortable atmospheric environment, to decrease energy costs and to avoid malfunction. The construction of HERZ-Products is well thought out and therefore makes a perfect hydraulic balancing of heating systems possible, which is a pre-requisite for the perfect operation of the heating system.

Easy adjustment

Optimum adjustment is a boundary condition for troublefree heating operation. Thanks to various possibilities of adjustment, the required circulatory quantity for each part can be assured. The best way is to adjust with the lowest possible pressure drop for each control fitting (see example for application in above figure). In order to ensure exact measuring of circulatory quantity, the lowest pressure drop should be ≥ 30 mbar. From this, you get the best pressure drop ratio possible of the local regulating valves. Furthermore, operating expenses for pumps are minimised. A decrease of pressure drop in adjustment valves near

the heat consumption element leads to a reduction of flow noise.

More comfort and less energy costs

Thanks to hydraulic adjustment you get steady heat emission, laterally exact heat-up conditions, required temperature distribution and a quiet operation on site.

Diverse applications

HERZ-Strömax GM Valves are characterised by high throughput performance (= low resistance). By means of a screwdriver, HERZ-Circuit Regulating Valves STRÖMAX GM can be pre-adjusted to every resistance desired. The chosen pre-setting remains unchanged regardless of the handwheels movement (closed or open). In order to prove the regulation and for safety reasons, the handwheel fastening screw and pre-setting screws are fastened by means of a seal. HERZ-Strömax Valves can be provided with drain valves. They can be used even in restricted areas. Thanks to a broad product range it is possible to install heating systems up to DN 80 in screw style.

HERZ International – A new market in Uzbekistan

In May 2001 HERZ Vienna expended its international activities in two areas and sealed it with corresponding agreements.

The company Eurostyle with its managing director Hushnud Yuldashev was assigned to exclusive sales of HERZ-Products in Uzbekistan. Secondly we officially sealed the co-operation with the university for construction in Tashkent (»Tashkent Architectural Building Institute«) for education and research tasks. This co-operation has existed unofficially since February 2001.

High-level delegation visits HERZ

For one week the four visitors from Uzbekistan stayed with HERZ. Prof. Rashidov, professor at the university for construction in Tashkent, Prof. Shernazarov, lecturer at same university, Hushnud Yuldashev, managing director of Eurostyle and Mr. Lotovka, managing director of a plumbing company in Tashkent completed an extended HERZ product training and had a look around both HERZ sites, Vienna and Sebersdorf/Styria as well as interesting reference projects and not to forget the sights of Vienna.

Positive impressions of contented visitors

Mr. Yuldashev draws positive conclusions about the visit. In times of globalisation, it is not worth starting all over again. Why not benefit from good and in depth knowledge and experience of partners and use it for the work in Uzbekistan? He was asked how he would characterise his country and the HERZ agent said: „Uzbekistan is a country that is worth visiting because of its more than 2000 year old culture and its hospitality, well-known all over Central Asia! And Austria (or HERZ ...?) is the centre of hospitality in Europe!“

HERZ fosters research and education


HERZ agreed with the university for construction in Tashkent to provide, in addition to know-how, documentation and product samples that can be used as instructional aids during the lectures. Students get sophisticated education and in the long



run this will lead to a higher standard and comfort in domestic technique. Prof. Rashidov is pleased about this development: „I would like to experience the time in our country when all this technology comes into use and I will be proud because I have been one person who helped to shape this process!“

Brilliant sunshine and fluttering flags for our guests from Tashkent, Uzbekistan: Dr. Gerhard Glinzerer, General Manager of HERZ, Eberhard Herrmann, editor of TGA Report, Prof. Shernazarov, lecturer at the university for construction in Tashkent, Prof. Rashidov, professor at same university, Mag. DI Hushnud Yuldashev, managing director of Eurostyle, Tashkent, the official representation of HERZ in Uzbekistan, Mr. Litovka, managing director of a plumbing company in Tashkent. (from left to right).

Uzbekistan today

Official name:	Republic of Uzbekistan	
Capital:	Tashkent, about 2.2 million inhabitants	
Surface:	447 400 km ²	
Population:	24.5 million (estimated 2000)	
Official language:	Uzbekish	
Independence:	since 31. August 1991 from the Soviet Union	
Industry:	Textile, food processing, mechanical engineering, metal processing, gas gathering	
Agriculture:	Cotton, vegetables, fruits, rye, rice, barley, maize, potatoes, cattle	
Raw materials:	Gas, petroleum, hard coal, gold, uranium ore, silver, copper, lead, zinc	
Energy:	Gas (mainly), petroleum (partly), coal, biomass	

Uzbekistan in the past

Thanks to its magnificent historical buildings, Samarkand, today's second largest town in Uzbekistan, gives evidence about the fact, that this region once has been the centre of mohammedian civilisation. Today's Republic of Uzbekistan offers important sites of world history. Strolling along the Silk Route you find tracks of Zarathostras, Alexander the Great, Dschingis Khan and Timur as well as marvellous traces of trade, architecture, science and religion remaining from the period of prosperity.



Report: The heating museum in Vienna

An exciting journey down the history of heating!

It is the »Teaching path of heating« which leads us through the Vienna heating museum – and it offers an interesting and amazing grasp of the development of heating technique and creations of heating systems (mainly in public buildings) from the 19th century to present.

There is an exhibition showing old writings and textbooks, some of them dating back till 1835. Unique exhibits, restored with loving care, give you an additional and interesting grasp about the general development of heating in a broader sense. There are plenty of original and eccentric exhibits – sterile ovens, single piece heating systems, equipment for water heating, glass house heaters and various boiler plants – that show the development in chronological order, until you come to appropriate fittings.

It would be beyond the scope to list them all, but we would like to mention some really special exhibits in detail. The eldest oven, a wonderfully and richly ornamented piece, dates from 1825 and is a real all-rounder (see picture). Another exhibited oven, in gorgeous blue and green, could be heated from the rear, so that the maid was able to load the oven without disturbing the householder. The so-called »wife's lover«, a small box that could be filled with every conceivable combustible, was used in hard times to heat soups and water to make tea.

There is another exhibition that exposes various equipments to heat water, for example the so-called »death flow heater«, which is still in use in some Vienna apartments. The heater did not have an outlet, so, if in constant use, there was too much output of carbon monoxide which resulted in a tragic end for several people. Another eye catcher is one of the first oil burners, equipped with a boiler diffuser device and in use until 1981. To intensify nostalgic dreams, there are three lovely-restored classrooms with original accessories



Also historical HERZ-Valves are part of the exhibition. Here you can see a HERZ-AS type (gland and stuffing box type) from the early sixties.

(huge slide rules, etc.) dated from the years 1900, 1945 and 1965!

Do you fancy a visit to the heating museum? A stroll through the historical development of heating, ventilating and climate technique is worth it. You will certainly learn interesting facts and enjoy your time! Guided tours are available prior to booking in ad-



This oven dates from 1825 and was in use until 1985. It is not only beautiful but suitable for all-purpose tasks. It was used to heat, to cook and as an air humidifier.

vance!

Get detailed information at relevant department: Magistratsabteilung 32, Mr. Reinhard Indrak, Fon +43(0)1-4000-74494 or by email ind@m32.magwien.gv.at, Heizungsmuseum Vienna, Längenfeldgasse 13-15, 1120 Vienna/Austria (base-ment of central vocational training school

HERZ at the ISH 2001 – a successful event

The international fair for sanitary and heating, ISH, took place from March 27th – 31st 2001 in Frankfurt, Main. HERZ participated with two exhibition stands and took care of interested guests from all over the world.

„The HERZ innovations presented during the fair, as well as the standard product range, met an enthusiastic response.



Three-way Valves on HERZ test bench

HERZ strengthened its international standing among heating fittings. This was confirmed by visitors from all over the world, from China to Canada and Japan to



HERZ took part in the ISH with two stands. HERZ Armaturen and HERZ Feuerungstechnik presented their latest product news.

Chile“, said Dr. Gerhard Glinzerer. Also the campaign « Fit for ISH thanks to HERZ information during an afternoon coffee party » went extremely well! „In spite of a short pause while the coffee-machine went on strike, the problem was quickly settled by our all-round technicians, all guests got a refreshment during a long and exhausting day at the fair!“, tells the General Manager of HERZ Armaturen.

Opinion rating – We have to thank our readers for their co-operation!

In the first issue of our customer magazine HERZ NEWS we asked our Austrian readers some questions about publication frequency and content. We would kindly thank for the co-operation and do our utmost to put the requests into operation. The question „Do you think that publication of HERZ NEWS twice per year is sufficient?“ was answered by 56 percent of all readers with „Yes“.

The second question was „What kind of information are you particularly interested in?“ and our customers put the main emphasis on (several answers were possible):

Information on the company	34 %
Information on products and solutions	83 %
Market information (general)	44 %

« Other topics » were specified as follows:

- Controlling – theory and practise
- Factory tours
- Interesting projects
- Special technical solutions and
- Brand-new innovations.

A major part of these requests has been fulfilled with this issue – others will be taken into account in the next issues of HERZ NEWS!

„Who is the fastest in the country?“

This was the slogan of the installation contest named »The Heat is on«, that was organised throughout Austria by HERZ Armaturen and Caradon Stelrad, and highlighted with a great final in Vienna/Austria on May 11th, 2001.

The contests' goal was to work out the fastest heating engineer of the country. A team of two fitters assembled a radiator to the wall – with use of appropriate HERZ-Valves and strictly supervised by two judges. After seven pre-qualifying rounds, the final competition took place on May 11th,



The HERZ-Valves and radiators used for the contest, have been contributed to a home for handicapped people in Topolcany, Slovenia – so not only the audience and participating fitters felt a warm glow ...



Foto: Klobucsar

The winning team – Andreas Wunderlich and Josef Weinzinger – made genuine efforts to get the first prize! With a winning time of 47 seconds they are two of the countries fastest fitters.

2001 at the »Kurhalle Oberlaa« in Vienna.

Every participant was spurred to win – maybe due to the fantastic first prize, being a driver of a fiery red Ferrari for one weekend – and consequently the atmosphere was »hot« too, appropriate to the slogan »The Heat is on«.

The times reached during the pre-qualifying rounds have been sensational but during the final competition new records were set (see box). Everybody was thrilled by the performance of the participants – supporters, audience, technical trade press and sponsors – and there was a big celebration far into the night ...

Winners and their times in pre-qualifying rounds and final:

1. St. Pölten: Andreas Wunderlich/
Josef Weinzinger,
Company: Biebl 71 sec/47 sec
2. Graz: Christian Klamminger/
Thomas Flicker,
Company: Hack 109 sec/65 sec
3. Linz: Mario Geissler/Walter Berger,
Company: Fasching 97 sec/90 sec

Also in the finals but closely beaten ...

- Salzburg: Werner Pohler/Martin Glora, Company: Häusler
Klagenfurt: Harald Zuber/Roland Durchschlag, Company: Oswald
Wien: Murat Koc/Josip Rodosevic, Company: SEV
Wr. Neustadt: Christian Weinlich/Manfred Höller, FH Pinkafeld (Technical College)