

September 2022[View this email in your browser](#)

TIPS FROM THE COOLING SEASON

With the evaluation of another successful cooling season, we share tips and knowledge from good practice with our partners and thus improve future proposals and technical solutions. Real life proved once again that trying to make air ducts as long as possible to the evaporation unit is counterproductive. Our recommendation is not to exceed a length of 15 m, while each elbow or T-piece is counted as a regular meter. We also do not recommend using spiro tubes with diameter smaller than D500. In adiabatic cooling, it is not the case that smaller the diameter, the faster the air flow. On the contrary, the cooled air tends to significantly slow down and take up reverse direction when the diameter is drastically reduced. Thus it unnecessarily overloads the axial fan, which either wears out unnecessarily or shuts down as part of its own protection. See photos from the current implementation of new [evaporation units](#) in KOBOK s. r. o., Piesok.





AGROKOMPLEX 2022

After two years, we participated in the international agricultural and food exhibition in Nitra again. The main topic was [adiabatic cooling](#) in the AGRO sector. Heat problems cause animals stress, increased mortality, lower production, or slower growth. In plant production, this mainly concerns the drying and delayed ripening of plants and the comfort of workers during their collection and processing. Harmful fumes in the premises, dirt and insects make life unpleasant and affect the productivity and work efficiency and the health of workers. Using classical methods to solve these problems is either technically impossible or economically too expensive. The solution is the use of adiabatic units for cooling the premises and the supply of fresh, clean outdoor air. Also, this year during the exhibition, several heat-tested visitors came to cool off again, for which we designed special "cooling tower" construction. Everyone appreciated the immediate effect of the [evaporation units](#), which we used to make the space around our stand more pleasant. We look forward to further meetings with you!



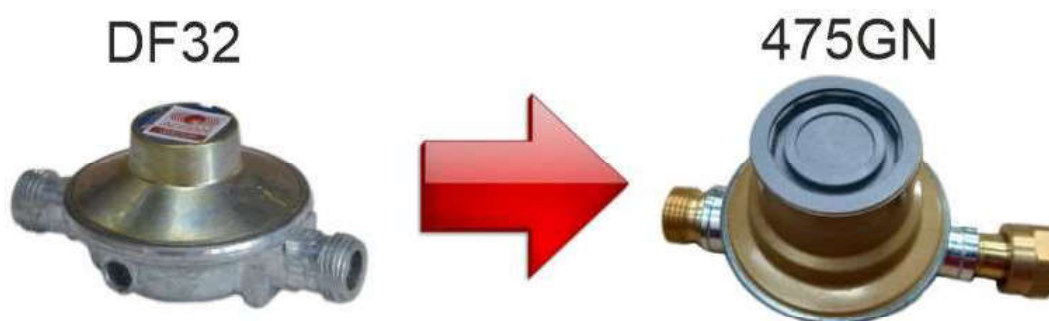
REFERENCE SKOPA

In August, ADRIAN GROUP installed two [ADRIAN AIR EV 18](#) cooling units in the company SKOPA s.r.o. in Valaská, Slovakia. Its main activity is high precision engineering mainly based on CNC machines production. At a temperature above 34°C, the machines turn off and they do not function anymore. The ideal temperature during production is 20/24°C, which we achieved by installing our cooling devices. Besides perfect conditions for the machinery they make the entire working environment more pleasant for the workers.



NEW GAS DETENDER

Due to the end of production of the old DF32 gas pressure detender, we bring to your attention its replacement - the [475GN reducer](#), which fully replaces the previous one. However, there are certain differences that must be considered. For example, for propane, the difference is only in the maximum gas flow, which rose from 4 kg/h to 6,5 kg/h. This means that we are now able to connect even 90 kW appliance. For natural gas, there is now a big advantage that the inlet and outlet threads no longer have bevels on the sides, so the [475GN pressure detender](#) can also be mounted on threads without seats (without stops). The inlet pressure range has changed from 0,3 to 4 bar for the DF32 to 0,3 to 5 bar for the 475GN, with a maximum flow rate of 3 m³/h at an inlet pressure of 0,3 bar and a flow rate of 6 m³/h at an inlet pressure of 1 to 5 bar m³/h. Simply put, this means you are now free to connect, for example, 50 kW infrared heater with certain capacity reserve and your gas pressure detender will not be operated at its limit capacity all the time. In the case of the DF32, the output pressure could be fine-tuned after removing the cover, which voided the warranty. In the case of the [475GN](#), this is done without losing the warranty, since the cover can be screwed back. The new gas pressure detenders are already in stock for you in our [e-shop](#).



SERVICE AND MAINTENANCE ALERT

The year 2022 is now in its final third and the heating season is getting closer. The safe and reliable operation of heating systems also includes their regular professional inspection and testing and professionally performed service. Is your heating ready for the season? Have you already performed a professional service and maintenance this year? It's the only way to be sure that everything will work properly. It is also the only way to extend the life span of your heating. Proper after-season care also applies to cooling equipment. Don't forget to prepare your cooling

quality materials to protect your coolers against cold, frost and other threats of nature. Check their availability and take care of your evaporative units in proper fashion. Do not neglect the service of your devices. Contact us at sales@adrian.sk or +421 948 352 067 and we will certainly assist you with your situation.



COME AND SEE US IN PLOVDIV

Hello everyone! We are happy to announce that **ADRIAN GROUP** together with SARIO agency will be presented at International technical fair in Plovdiv 2022 in Bulgaria. Come and see us between September **19th and 24th 2022**. This exhibition has long history and tradition in territory of Balkan and covers many segments such as energy, metal works, IT, construction, robotics, and automation as well as automotive industry. Feel most welcome to visit.

**МЕЖДУНАРОДЕН
ТЕХНИЧЕСКИ ПАНАИР**
Иновация • Модернизация • История

19-24 септември

Със съдействието на
VIVACOM

Icons: A hand holding a plug, a leaf, a power button, a hand holding a plug, a lightbulb, and a circuit board.



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