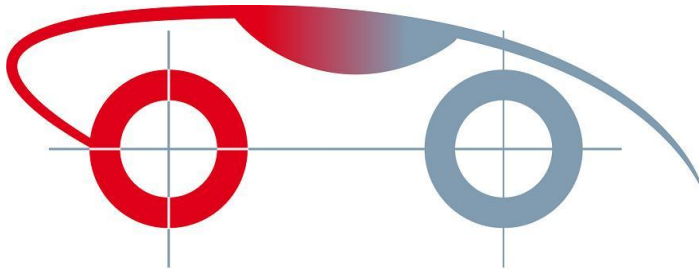


The pressure's on! Get designing!
New generation in the fifth Pneumobile competition

12 Dezember, 2011



Rexroth Pneumobil

Entries for the 5th International Rexroth Pneumobile Competition have now closed, with a total of 44 teams lining up for next year's event. Interest is as high as ever, in fact continues upwards, with fourteen brand-new teams of engineering students forming up for the three-day contest next spring. Not to mention that the first entry arrived an hour after the announcement.

Success in figures

It seems simple at first sight: to design and build a compressed air-driven car. But this is not a do-it-yourself job knocked together in the garage. The teams will be working for the next five or six months day and night for the contest in May. The 44 teams comprise 174 students, helped by 43 assisting lecturers, and most of them have their own teams of supporters. Twenty-eight of the teams entering for the 2012 event are from Hungary and sixteen from abroad, from a total of twenty-one universities and colleges. The number of Polish, Romanian and Czech teams shows just how international the competition has become.

Multi-generation milestone – news and novelties

Dedicated work, expertise and close collaboration with universities are behind the atmosphere and opportunities created by the Pneumobile competition over the last five years. In the process a new generation of engineering students has emerged, ready for the challenge. A total of fourteen first-time teams, eight of them from outside Hungary, are starting on the design of their first air-driven car. The two youngest members of last year's star team

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Gyalogkakukk have been joined by two newcomers to prepare for 2012, under the name *Kakukktójas*. This fifth competition will be a battle of the generations, because among the entrants are those who have been involved the longest: *Műszakik Pneumobil Team* of Budapest, *Csitri Mobile Team* of Gödöllő and *NyF2* of Nyíregyháza.

By popular request, the 2012 contest will be the first where experienced competitors will be eligible to take part in their own Senior category. Six teams have entered in the category, all made up of members who have been involved in at least one of the previous contests but have since graduated. Their alma maters will let them use their old cars, which have to meet the 2012 conditions.

Who will be number 1?

After a break for the summer, the organising committee is also back in full swing. Members of the competition jury held product training consultations in universities before the entry period, presenting what's new in this year's competition conditions and technical documentation, and giving students practical ideas and advice on building their vehicles. After accepting the technical documentation, Rexroth will provide the pneumatic control and drive components, which the students select from the catalogue themselves – within certain limits.

For years now, the teams have been competing for the magic "1" race number emblazoned on the car of the earliest entrant. In the last three years it has been the *Gyalogkakukk* team's pneumobile that has carried this number, and in the days before the announcement the organising committee members made bets on which team would be quickest. The first entry arrived in the hour after announcement, and so in next May's competition it will be the *Műszakik* team's car that bears the number 1 on the track.

Of course victory will have nothing to do with race numbers, and the decisive period that leads up to the contest is just beginning. We will see how theory stands up in practice.

If you do not want to miss the Pneumobile competition, write these dates in your diary now: 11-13 May 2012, Eger Érsekkert.

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To learn more, please visit www.boschrexroth.com

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