

ebm-papst at Mostra Convegno 2022

Latest technologies for increased efficiency and energy savings

The Mostra Convegno trade show in Milan will be held for the 43rd time from June 28 to July 1, 2022. At Booth B21-C22 in Hall 24, ebmpapst will be presenting intelligent solutions and new developments in refrigeration, air conditioning and ventilation technology, as well as heating technology.

The largest of its kind

With the new RadiPac series, ebm-papst has succeeded in significantly improving existing centrifugal fans yet again: they operate with significantly higher efficiency levels and higher speeds ensure more air flow and higher pressures, meaning that even high-pressure applications can be covered. The impeller developed according to the latest aerodynamic findings drastically reduces flow losses and further decreases the noise levels. For the first time, the new, most powerful EC motor, FanDrive 280, is also used in the large RadiPac sizes. This delivers a torque of 180 Nm with an electrical power of up to 24 kW. For example, it is used in the size 800 RadiPac and enables a free-air air performance of up to 50,000 m³/h and maximum pressures of 2,300 Pa.

The new axial fans in the AxiEco series from ebm-papst are now also suitable for applications that require high air flows with a relatively high back pressure, meaning that ventilation and air conditioning devices can benefit from higher air flow rates. The AxiEco series has been successfully established on the market for two years and is now being expanded to include sizes 630, 800 and 910. The axial fan now makes air flows of over 25,000 m³/h and pressures of up to 700 Pa possible and is suitable for applications in chillers and evaporators, industrial process cooling, data centers and mobile refrigeration technology, for example.

System solution for every heat requirement

The crucial factor of a gas/air composite system consisting of blower, venturi, gas valve and control system is the correct gas/air ratio. This is the only way to guarantee efficient combustion with a high level of efficiency.

RadiMix gas blowers supply modern gas condensing units with the optimum quantity and composition of gas and air in a power range of 80-150 kW and are ideal for heating modern residential buildings. The RadiMix system solution with high-efficiency venturi can be used in both pneumatic and electronic networks. The pneumatic valves regulate the mixing ratio using the vacuum on the venturi while electronic actuation of the gas valve enables the mixing ratio to be actively adjusted in the electrical composite system. All components are already certified for up to 20 percent hydrogen admixture and are tested by DVGW.

The best of both worlds

Hybrid systems are a particularly important technology for reducing the use of fossil fuels. A hybrid solution consisting of a gas condensing unit and heat pump is characterized in particular by perfectly coordinated system components. While the heat pump provides the basic heating load, the gas condensing unit provides support at low outside temperatures. In turn, the gas blower helps to increase efficiency.

Pascal Schöpf
Trade press coordinator
Phone: +49 7938 81-7006
Fax: +49 7938 81-97006
pascal.schoepf@de.ebmpapst.com

Corinna Schittenhelm
Trade press coordinator
Phone: +49 7938 81-8125
Fax: +49 7938 81-98125
Corinna.Schittenhelm@de.ebmpapst.com

May 23, 2022 - Page 1 of 2

Press office contact
ebm-papst Group
Phone +49 7938 81-7105

twitter.com/ebmpapst_news
facebook.com/ebmpapstFANS
youtube.com/ebmpapstDE
www.ebmpapst.com

ebm-papst at Mostra Convegno 2022

Latest technologies for increased efficiency and energy savings



Photo: ebm-papst will be presenting intelligent solutions and new developments in refrigeration, air conditioning and ventilation technology, and heating technology at Mostra Convegno 2022.

Photo ebm-papst

Characters approx. 3,000, including headings and sub-headings

Tags centrifugal fans, RadiPac, axial fans, AxiEco, system solution, gas/air composite system, hybrid systems, EC technology, energy savings

Link <https://www.ebmpapst.com/mostra>

About ebm-papst

The ebm-papst Group, a family-run company headquartered in Mulfingen/Germany, is the world's leading manufacturer of fans and drives. Since the technology company was founded in 1963, it has continuously set the global industry standard with its core competences in motor technology, electronics, digitization and aerodynamics. With over 20,000 products in its portfolio, ebm-papst provides the best energy-efficient, intelligent solution for virtually every ventilation or drive-engineering task.

In fiscal year 2020/21, the "hidden champion" generated revenues of € 2.129 billion. The group employs roughly 15,000 people at 29 production sites (in Germany, China and the USA, to name but a few) and in 51 sales offices worldwide. ebm-papst sets the benchmark with their fan and drive solutions which are used in almost all industries, such as ventilation, air conditioning and refrigeration, heating, automotive, information technology, mechanical engineering, household appliances, intralogistics and medical engineering.

Pascal Schöpf
Trade press coordinator
Phone: +49 7938 81-7006
Fax: +49 7938 81-97006
pascal.schoepf@de.ebmpapst.com

Corinna Schittenhelm
Trade press coordinator
Phone: +49 7938 81-8125
Fax: +49 7938 81-98125
Corinna.Schittenhelm@de.ebmpapst.com

May 23, 2022 - Page 2 of 2

Press office contact
ebm-papst Group
Phone +49 7938 81-7105

twitter.com/ebmpapst_news
facebook.com/ebmpapstFANS
youtube.com/ebmpapstDE
www.ebmpapst.com