

Fluid Control

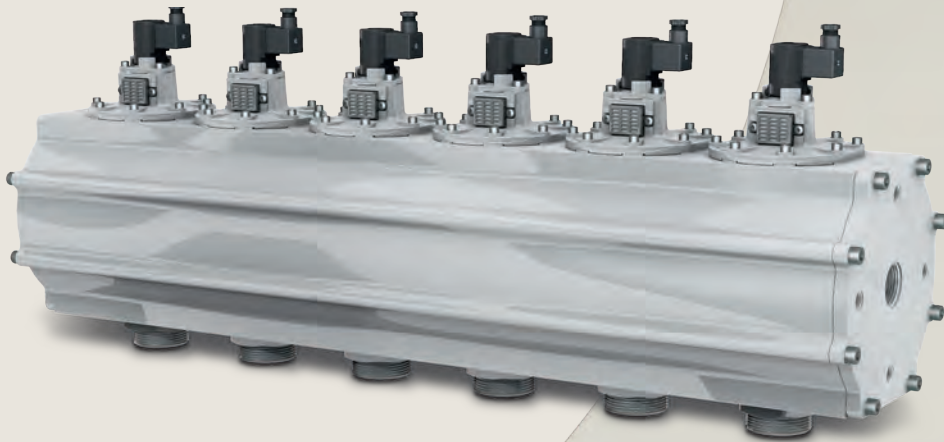
Our product brands:

IMI Buschjost

IMI FAS

IMI Herion

One System, many Benefits:
Efficient Filter Cleaning with Flex-on[®]



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Breakthrough engineering for a better world

We create breakthrough solutions which accelerate the safety, reliability and performance of everyday processes. Our valves and complete system solutions control liquids and gases, enabling machine builders to improve design functionality and keep safety and sustainability at the forefront of innovation.

For over 80 years, we have helped our customers improve the reliability and efficiency of their machines for diverse end markets. Working in close customer partnership, we continuously push the boundaries of technology, offering a wide selection of components and tailored solutions. Meeting equipment manufacturers' needs includes everything from helping provide traceability for consumers, to reducing waste in critical resources and delivering a premium cup of coffee.

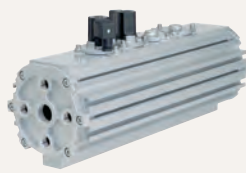
Through flexible, scalable and agile innovation, we help our customers solve their current challenges and create competitive advantage for the future.

Breakthrough engineering you can count on.

Many Applications, one System: The Flex-on® Series



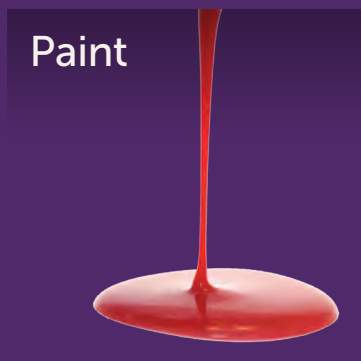
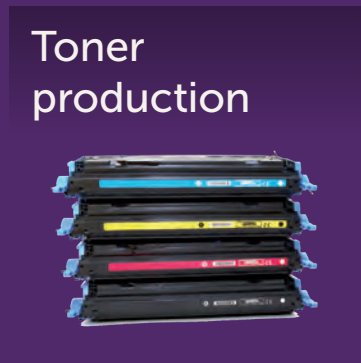
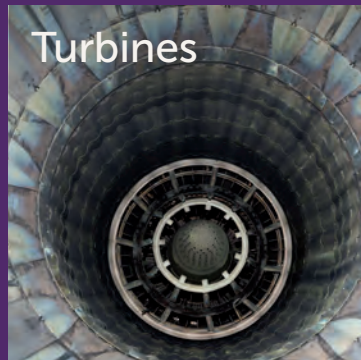
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Efficient Filter Cleaning with the new IMI Buschjost Flex-on® System

Optimal cleaning results, custom modular construction, one-stop shop for all components: the new Buschjost Flex-on® filter cleaning system, one of Norgren's leading product brands, provides a number of benefits. The new 85870 series completes the range of Flex-on® systems.

The market for filter cleaning systems is clearly moving in the direction of all-in-one solutions: Users buy complete systems from a single supplier rather than purchasing the individual components from various different providers. Based on the "one-stop shop" concept, the new Flex-on® series meets this requirement: It enables plant operators to reduce their supplier base and is also significantly cheaper than costly tank construction and installation of purchased parts by the users themselves.

Maximum safety from the first use

Flex-on® is great from a safety point of view, too: From design to series production, the entire creation process of the new system is based on the requirements of the EN 13445 standard harmonised with the Pressure Equipment Directive 2014/68/EU. Flex-on® provides maximum safety right from the first time it is commissioned. There are no more pressure tests and risk analyses, which means that operators save both time and money.

Thanks to its modular construction, the new Flex-on® system is tailored precisely to the individual requirements of its users. They can easily integrate it into their existing systems via Plug and Play. The basis of the system is a tank, which is up to three metres long, with an internal diameter of 220 millimetres. It is made of high-quality aluminium profile, which is corrosion-resistant and durable. Thanks to its smooth surface, the tank is resistant to dust and dirt, which also makes it safe for use in the strictly regulated food industry.

Powerful valves for efficient filter dedusting

Depending on the requirements, the tank can be equipped with dust collector valves of nominal sizes DN 40 to DN 65. At maximum length, it can accommodate up to 20 valves. Their benefits are high pressure peaks, minimal deflection of the cleaning gas and extremely quick opening and closing times, which can be realised by using high-quality TPE diaphragms. Users benefit not only from particularly efficient cleaning of the filter elements, but also from lower compressed air consumption and reduced operating costs.

The Flex-on® series is designed for a maximum pressure drop to 0 bar. The system operates without pressure loss and leaks at a media temperature between -20 and +85°C; the maximum operating pressure is 8 bar.

Is there something missing?

Depending on the field of use, it is easy for users to add additional components to the Flex-on® system. Again, the "one-stop shop" concept takes effect and IMI offers the right accessories:

- IMI Buschjost valve controllers reliably indicate the degree of contamination of individual filter elements and signal that cleaning is required as soon as the upper threshold value is exceeded.
- Standard combination units, such as the Excelon® Plus series by IMI Norgren, with their new safety features and a compact and light-weight, yet robust, design ensure that the systems can be operated without any problems, either as a stand-alone unit or as a modular assembly.

One system, many benefits

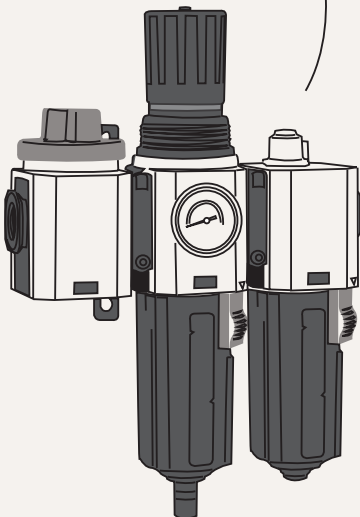
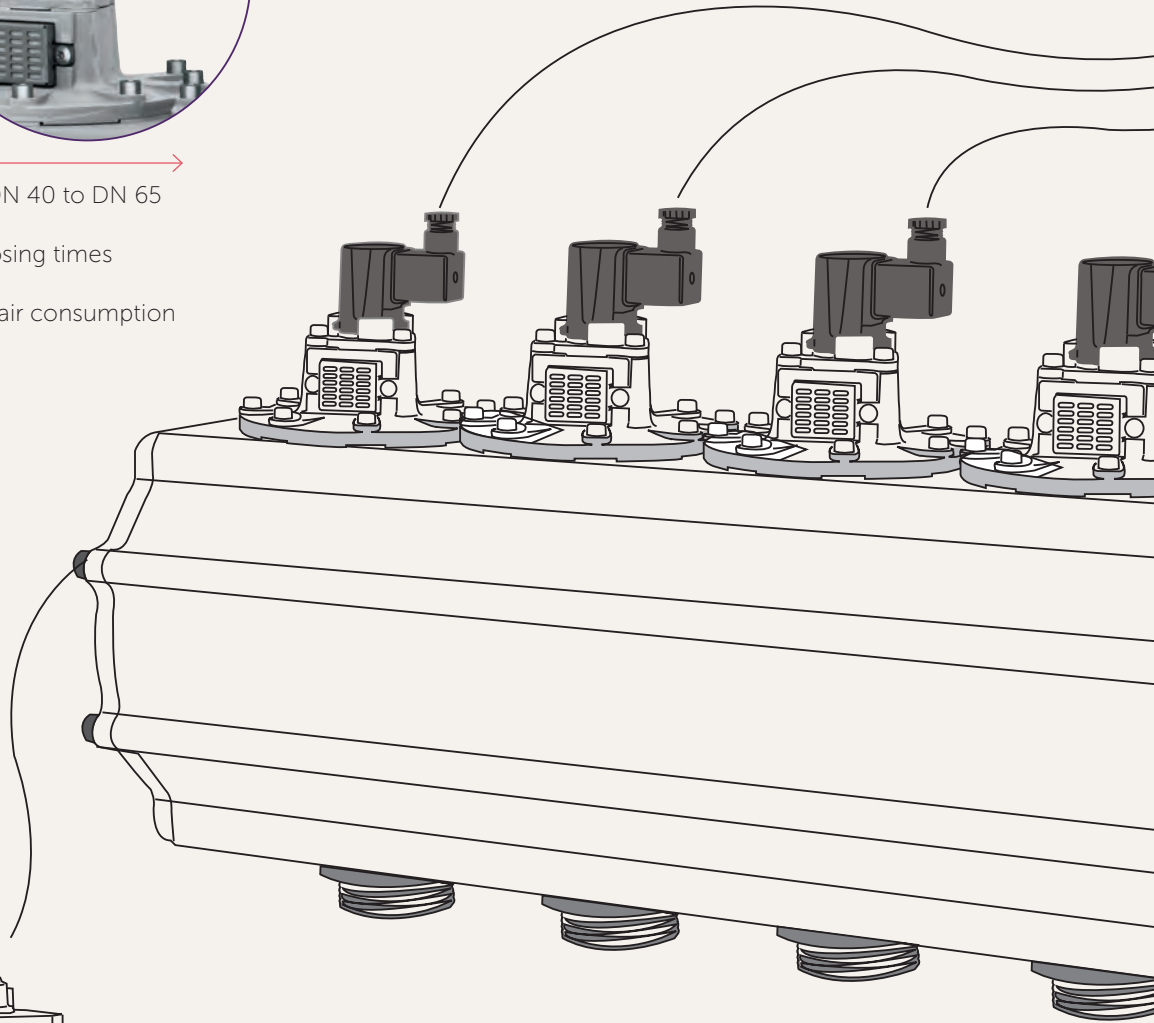
- Optimum cleaning results
- Customised design using the modular principle
- One-stop shop for all components
- Low compressed air consumption and reduced operating costs
- Maximum safety:
- PED and EN 13445 compliant
- High-quality and durable materials
- Suitable for use with food
- Equipped with powerful dust collector valves

Flex-on® Filter Cleaning Systems: One-stop shop for all Components



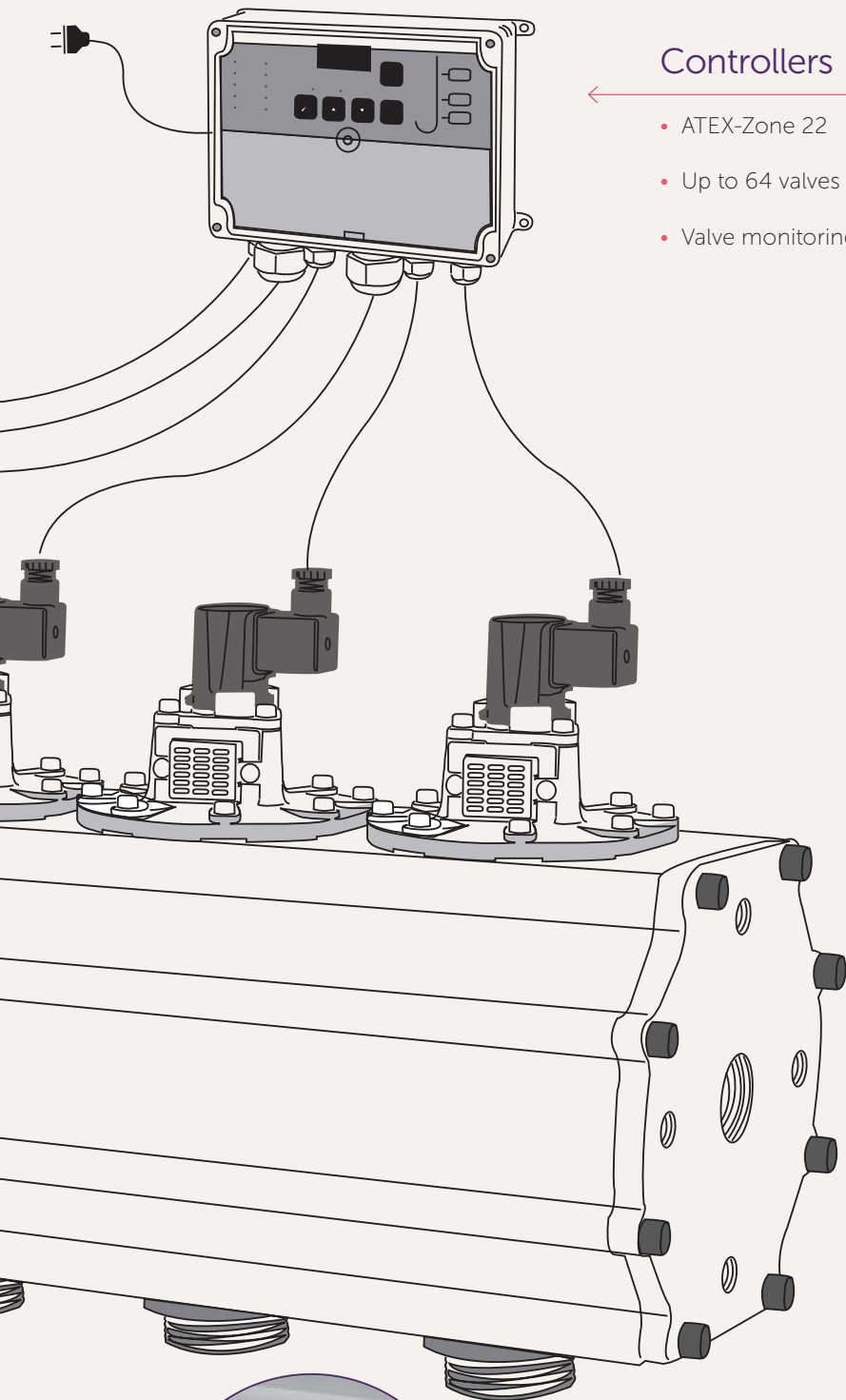
Solenoid valve

- Dust collector valves DN 40 to DN 65
- Quick opening and closing times
- Reduced compressed air consumption



Standard combination unit

- Compact design
- Lightweight
- Modular construction



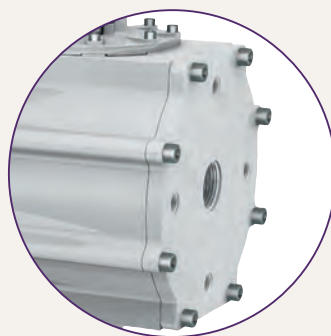
Controllers

- ATEX-Zone 22
- Up to 64 valves
- Valve monitoring



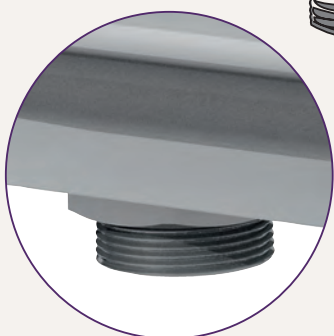
Tank profile

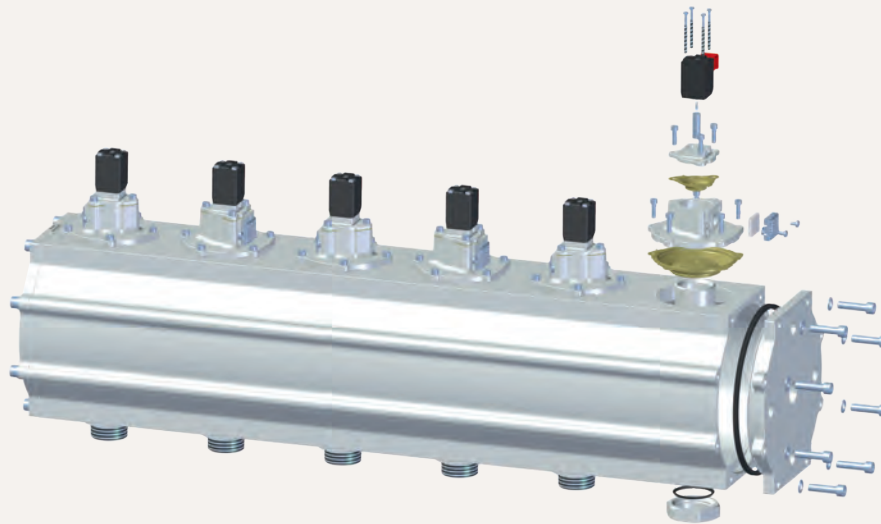
- High-quality aluminium profile
- Up to a maximum length of 3 m
- Inner diameter 220 mm



Connection

- Hose connection
- Compression fitting
- I/A – Threaded connection








Maximum Flexibility:

An Overview of the Options with Flex-on®

The new Flex-on® 85870 series can be individually adapted to existing systems in accordance with the modular principle. The following table provides an overview of the options:

Medium	Minimum grid size	Pressure range	Temperature [°C]		Material	Approvals	Type
			Dusty gas / Cleaning gas	Ambient			
ø 220 for DN 40	120 mm	0,4 ... 8 bar (swelling)	-20 ... +85	-20 ... +85	Body: Aluminium Seat seal: TPE Seals: TPU		8587xxx
ø 220 for DN 50	150 mm	0,4 ... 8 bar (swelling)	-20 ... +85	-20 ... +85	Body: Aluminium Seat seal: TPE Seals: TPU		8587xxx
ø 220 for DN 65	150 mm	0,4 ... 8 bar (swelling)	-20 ... +85	-20 ... +85	Body: Aluminium Seat seal: TPE Seals: TPU		8587xxx

Would one size smaller work better?
In addition to the Flex-on® system
in the 85870 series, IMI Buschjost also offers
smaller filter cleaning systems with inner
diameters of 75 and 135 mm. We would be happy
to send you a quotation! Send an
email to buschjost@imi-precision.com
or call +49 (0) 5731 / 791 – 0

Use our configurator
to create your
individual system!



IMI operates four global centres of technical excellence and a sales and service network in 50 countries, as well as manufacturing capability in Brazil, China, the Czech Republic, Germany, India, Mexico, Switzerland, the UK and the USA.

Supported by distributors worldwide.

For further information, scan this QR code or visit

www.imiplc.com



Fluid Control

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IMI Buschjost

IMI FAS

IMI Herion

Due to our policy of continuous development, IMI reserves the right to change specifications without prior notice.

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