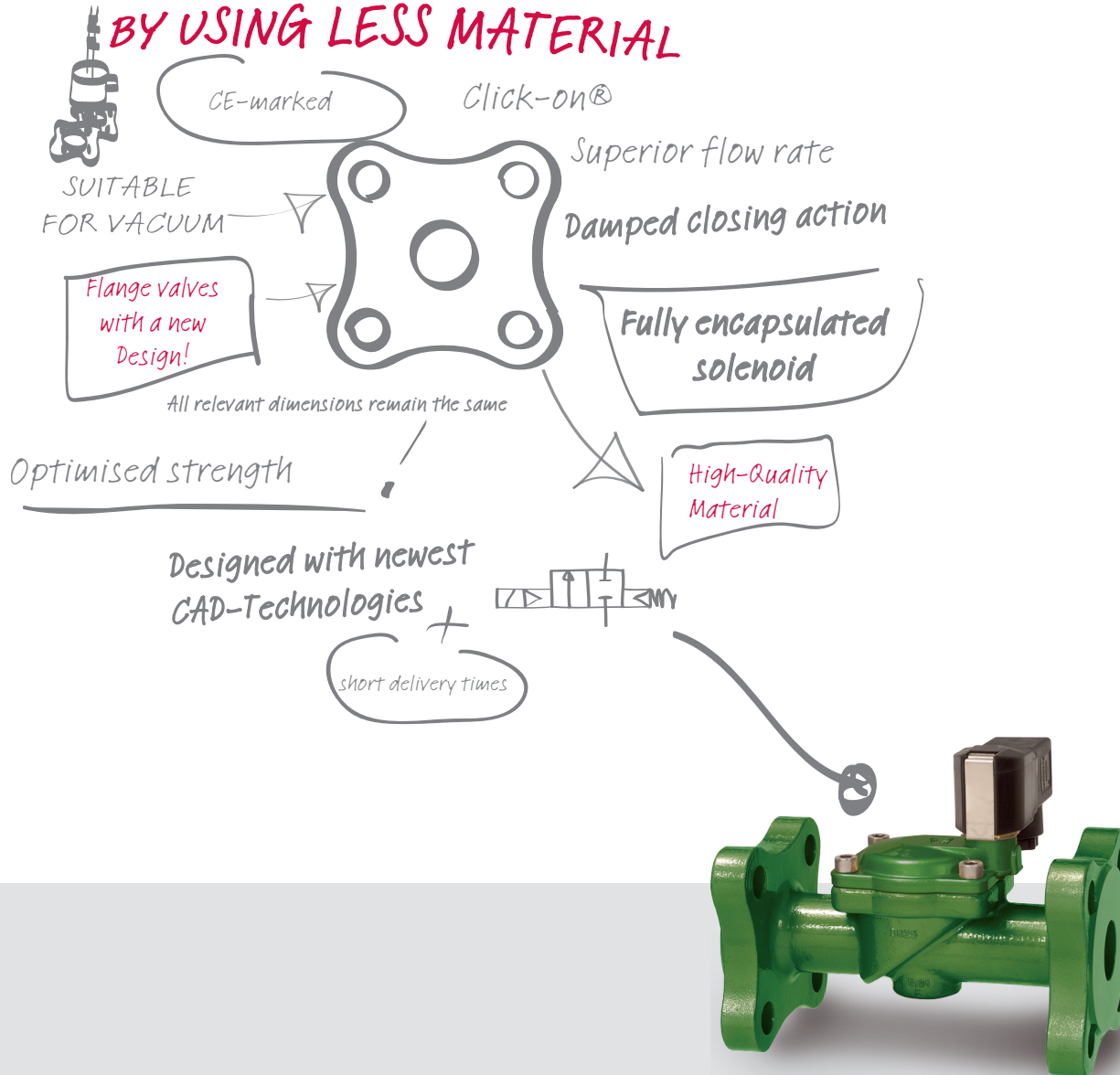


FLANGE VALVES YOU CAN SEE OUR THINKING

ENGINEERING ADVANTAGE

REDUCE COSTS BY USING LESS MATERIAL



BUSCHJOST

IT HAS BEEN A LONG ROAD FROM THE WORKSHOP FOR ELECTRIC MOTORS ESTABLISHED IN 1933 BY FRIEDRICH BUSCHJOST TO THE GLOBAL PLAYER OF TODAY. WE HAVE BEEN PRODUCING SOLENOID VALVES SINCE 1953. AS A SUBSIDIARY OF IMI WITH ITS GLOBAL OPERATIONS, WE ARE A MARKET LEADER IN PROCESS VALVES.



WE LINK EMPLOYEES ACROSS BORDERS, WE COMBINE PRODUCTS AND KNOW-HOW TO OFFER SOLUTIONS THAT OPTIMIZE THE PRODUCTS AND BUSINESS RESULTS OF OUR CUSTOMERS. WE CALL IT THE „ENGINEERING ADVANTAGE“.

Proximity makes our company fast and flexible. At Buschjost, everything is under one roof: product development with modern laboratories, production, toolmaking and prototyping, fully automatic inspection facilities - in short, everything you need to develop in pioneering directions. 330 employees ensure that all of the processes are perfectly coordinated. Buschjost is known on the market as a leader in technology and innovation and also for setting standards in terms of quality. We see each and every customer as a partner and we operate a very consistent staffing policy.

→ HIGH PERFORMANCE PRODUCTS

Our large, world-class portfolio of fluid and motion control products gives them reliable and powerful technology.

→ EXCEPTIONAL LOCAL SERVICE

Our sales and service teams have a local presence in 75 countries, giving customers access to our technology and expertise, wherever they are.

→ INNOVATION & TECHNICAL EXCELLENCE

Our expertise and specialist teams give them unique solutions which solve their engineering challenges and improve performance.

FLANGE VALVES

Flange fittings have been providing top quality connections in installation for decades. They are dependable, standardised and robust. Buschjost has added a new flange valve range to its proven series of valves. The design of the devices have been completely revised in terms of valve technology and flange geometry and conform completely to the relevant standard in terms of hole pattern and size. Due to this redesign the devices now offer a 3.5 kg saving in weight and with the use of computer simulation the units have been optimised for greater strength. The development has lead to an advantage in terms of pricing and reduced installation times.

During the development phase one of the key driving factors was safety. All of the valve functions and parameters have been verified and optimised through a comprehensive programme of computer simulation and the devices meet the requirements of the EU Pressure Equipment Directive (PED) in Categories 1 and 2 for all media. This new valve series includes both piston and diaphragm valves in a wide variety of models and can be specified as indirectly and force-lifted operated variants.

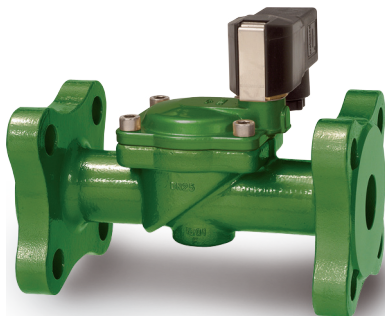
The valve bodies are constructed of stainless steel and can also be specified in high quality cast steel. Available in ND connection sizes of 15 to 50 the actuators utilised are from the Buschjost Click-on® series that can be installed securely in a single action without the need for tools. This comprehensive solenoid range is available for all standard voltages and a variety of special voltages upon request. The devices are also available with Ex and UL certification.

PRODUCT HIGHLIGHTS:

- REDUCE COSTS BY USING LESS MATERIAL
- HIGH QUALITY MATERIALS
- FULLY ENCAPSULATED SOLENOID
- BACKPRESSURE TIGHT VERSION AVAILABLE (SERIES 85340)
- SOLENOID CAN BE CHANGED WITHOUT TOOLS (UP TO DN 25 / DN 50)
- ALL RELEVANT DIMENSIONS REMAIN THE SAME
- NEW FLANGE-CONCEPT FOR DN 15 – DN 50 IN 4LEAF CLOVER-DESIGN
- DAMPED CLOSING ACTION
- SUITABLE FOR VACUUM
- CE-MARKED
- OPTIMISED STRENGTH
- DESIGNED WITH NEWEST CAD-TECHNOLGIES
- SUPERIOR FLOW RATE
- CONNECTION ACC. TO DIN OR ASME B 16.5 150 / 300 LB/SQ. IN.

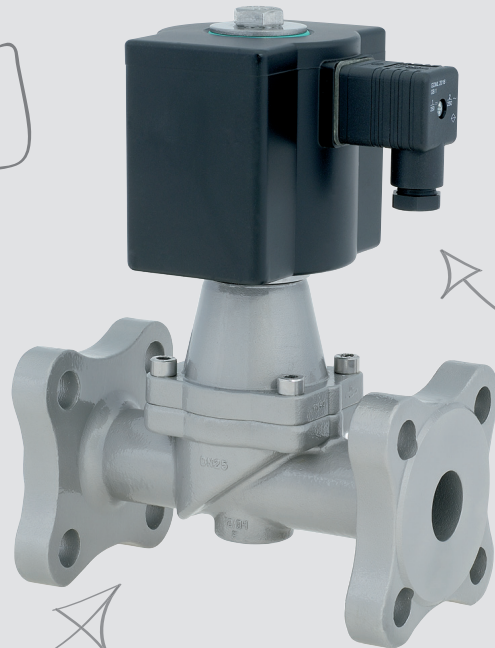
Reduce costs by using less material

SAVE UP TO **3.5 KG**
IN WEIGHT!!



FLANGE VALVES

Flange valves available in Stainless Steel and Cast Steel



Reduce costs by using less materials

*Unique:
Backpressure tight version also available!
(see Series 85340)*

Flange valves with a new Design!

High-quality materials

AREAS OF USE

- Highly demanding industrial applications
- OEM-customers in the fields of chemistry, gas, sterilisation, textiles, paper, mechanical engineering, water treatment and many other

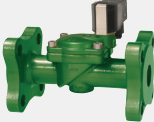













CUSTOMER ADVANTAGES

- A wide range of options
- Explosion proof solenoids that meet the ATEX standard at competitive prices

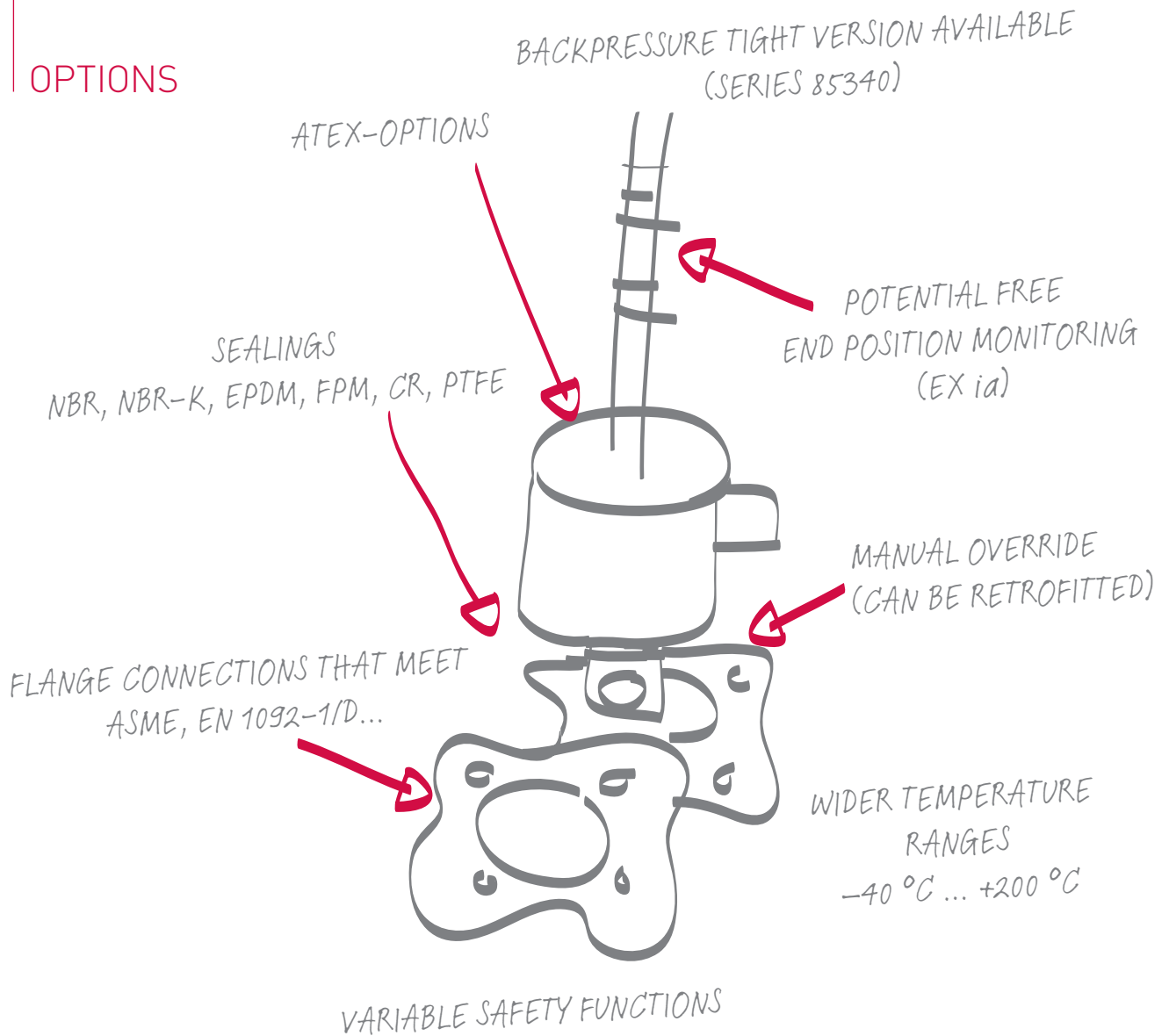
OUR FUTURE IS GREEN:

- Up to 30 % weight reduction
- Save energy in transportation, production, handling and material consumption

OVERVIEW

SERIES	TYPE	OPERATION	CONNECTION	FLUID TEMPERATURE (MAX.)	PRESSURE RANGE	MATERIAL BODY	FEATURES
83030 	Diaphragm solenoid valves	Indirect	Flange DN 15 – 50	90 °C	0.1 – 10 / 16 bar	Cast Steel / Brass	Option: Flange connection acc. to ASME B 16.5 150 lb/sq. In.
83040 	Diaphragm solenoid valves	Forced lifting	Flange DN 15 – 50	90 °C	0 – 10 / 16 bar	Cast Steel / Brass	Option: Flange connection acc. to ASME B 16.5 150 lb/sq. In.
85340 BACK-PRESSURE TIGHT UP TO 16 BAR 	Piston solenoid valve	Forced lifting	Flange DN 15 – 50	90 °C	0 – 25 bar	Stainless Steel (1.4408) 	Option: Flange connection acc. to ASME B 16.5 150 lb/sq. In. ASME B 16.5 300 lb/sq. In.
85500 40 BAR 	Piston solenoid valve	Forced lifting	Flange DN 15 – 50	90 °C	0 – 40 bar	Cast Steel / Brass	Option: Flange connection acc. to ASME B 16.5 150 lb/sq. In. ASME B 16.5 300 lb/sq. In.
85520 	Piston solenoid valve	Forced lifting	Flange DN 15 – 50	200 °C	0 – 16 bar	Stainless Steel (1.4408) / Brass 	Option: Flange connection acc. to ASME B 16.5 150 lb/sq. In. ASME B 16.5 300 lb/sq. In.
85540 	Piston solenoid valve	Forced lifting	Flange DN 15 – 50	90 °C	0 – 25 / 40 bar	Stainless Steel (1.4408) 	Option: Flange connection acc. to ASME B 16.5 150 lb/sq. In. ASME B 16.5 300 lb/sq. In.
85660 	Piston solenoid valve	Indirect	Flange DN 15 – 50	90 °C	0.5 – 40 bar	Cast Steel / Brass	Option: Flange connection acc. to ASME B 16.5 150 lb/sq. In. ASME B 16.5 300 lb/sq. In.
85580 3.1 	Piston solenoid valve	Forced lifting	Flange DN 15 – 50	90 °C	0 – 25 / 40 bar	Stainless Steel (1.4408) 	Option: Flange connection acc. to ASME B 16.5 150 lb/sq. In. ASME B 16.5 300 lb/sq. In.
85780 SIL  	Piston solenoid valve	Forced lifting	Flange DN 15 – 50	60 °C	0 – 25 bar	Stainless Steel (1.4408) / (1.4581) 	Option: Flange connection acc. to ASME B 16.5 150 lb/sq. In. ASME B 16.5 300 lb/sq. In.

OPTIONS



SAFETY FUNCTIONS

- Normally closed
- Normally open
- Semi-automatic

SAFETY OPTIONS

- ATEX
- SIL
- 3.1

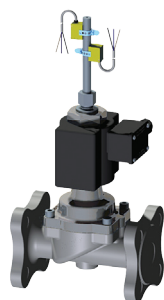
FURTHER OPTIONS

- No oil or grease
- Free from substances that affect paint adhesion
- Backpressure tight

OPTIONS (EXTRACT)



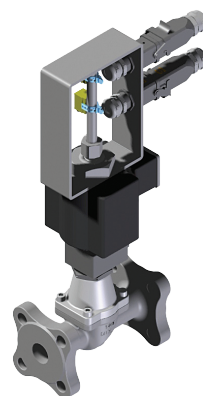
→ Manual override



→ Double electric position indicator and solenoid explosion-proof



→ Flame proof Ex-solenoid with double electric position indicator



→ Power plant version with bracket for Han 7D connector

OPTIONS	83030	83040	85340	85500	85520	85540	85660	85580	85780
Manual override	X	X	X	X	X	X	X	X	X
Normally open	X	X	X	X	X	X	X	X	X
Electrical position indicator			X	X	X	X		X	X
Oxygen version	X	X	X	X	X	X	X	X	X
Flange acc. to ASME	X	X	X	X	X	X	X	X	X

FURTHER DESIGNS AVAILABLE ON REQUEST

OPTIONS	83030	83040	85340	85500	85520	85540	85660	85580	85780
Seat seal NBR	X	X	X	X		X	X	X	
Seat seal NBR-K			X	X		X	X	X	X
Seat seal EPDM	X	X	X	X	X	X	X	X	X
Seat seal FPM	X	X	X	X		X	X	X	X
Seat seal CR			X	X		X		X	
Seat seal PTFE			X	X	X	X	X	X	X

FURTHER SEAT SEALINGS AVAILABLE ON REQUEST

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