

# Pharmaceutical industry

Efficient sealing and hygienic cleanliness







# Pharmaceutical industry

The pharmaceutical industry has special requirements for the quality of industrial doors: efficient sealing, low space requirements and hygienic cleanliness are of central importance here. High-speed doors from EFAFLEX impress with their high air tightness in combination with a sophisticated door leaf guide, in order to prevent unwanted air exchange in the event of pressure differences.

The smooth surface structure and the edgeless design of the clean room doors also facilitate cleaning and minimise particle deposits. As a result, industrial doors from EFAFLEX meet all of the necessary requirements for the pharmaceutical industry which are stipulated in laboratories and in the production of medications, medical technology or special protective equipment.



# Individual solutions for the pharmaceutical industry.



**High-speed  
roll-up door  
EFA-SRT® CR Premium**

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**High-speed  
roll-up door  
EFA-SRT® ECO**

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**High-speed  
spiral door  
EFA-SST®**

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For more information about our solutions  
for the pharmaceutical industry visit:  
[www.efaflex.com/  
pharmaceutical-industry](http://www.efaflex.com/pharmaceutical-industry)



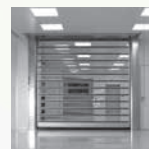
## YOUR ADVANTAGES AT A GLANCE:

- Industry-specific door solutions for use in clean rooms
- High air tightness even with varying pressure differences
- Certifications in accordance with ISO classes 5 and 6, which ensure air particle purity (ISO14644-1)
- Long service life despite a high number of cycles



### High-speed roll-up door EFA-SRT® CR Efficient

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### High-speed turbo door EFA-STT® CR

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### High-speed roll-up door EFA-SRT® CR-C

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**EFA-SRT® CR PREMIUM  
AT A GLANCE:**

- Almost airtight
- Smooth surface structure
- Also suitable for air locks
- Opening speed up to 1.0 m/s
- Closing speed up to 0.5 m/s
- Up to 150,000 operating cycles p.a.
- Standard sizes up to  
w=2,500 mm, h=3,000 mm

## The special door for clean rooms.

### **EFA-SRT® CR Premium**

With the EFA-SRT® CR Premium high-speed roll-up door, EFAFLEX has developed a door for the specific requirements of clean rooms (GMP). Even with high pressure on the door curtain, the air exchange is constantly reduced to a minimum, which increases the service life of air filters. The door model offers an outstanding, hygienic design with reduced surfaces to prevent particle deposits.



# The efficient clean room door. **EFA-SRT® CR Efficient**

The EFA-SRT® CR Efficient high-speed roll-up door was specially designed for use in clean rooms with medium requirements. The particularly narrow door frames allow for a space-saving and visually appealing installation, even in confined spaces. Thanks to an integrated absolute encoder, the door can immediately return to automatic operation even after a power failure, without the need for a manual synchronisation run.

## **EFA-SRT® CR EFFICIENT AT A GLANCE:**

- Almost airtight
- Extremely slim frame
- Certified up to ISO Class 6
- Opening speed up to 0.8 m/s
- Closing speed up to 0.5 m/s
- Up to 100,000 operating cycles p.a.
- Standard sizes up to  
w=3,000 mm, h=3,500 mm

**EFA-SRT® CR-C**  
**AT A GLANCE:**

- Opening speed up to 2.0 m/s
- Designed for 200,000 load changes p.a.
- Standard sizes up to w=3,500 mm, h=3,500 mm
- 2 mm Transilon curtain in various colours with/without viewing window
- Stainless steel or powder coating according to RAL
- TÜV Certification for clean room Class 6 or 7 according to ISO 14644-1
- Manual opening by spring force

# The space-saving door for clean rooms.

## EFA-SRT® CR-C

With the EFA-SRT® CR-C, EFAFLEX has developed a door for the specific requirements of the clean room industry, where efficient sealing and installation dimensions are critical factors. The door is TÜV-certified for use in clean rooms of ISO Class 6 or 7. It is characterised by its compact design with minimal space requirement and slim frames, whilst the EFA-TRONIC® control is fully integrated into the construction (version ISO Class 6).







# The turbo door for full visibility.

## EFA-STT® CR

If speed is of the essence, the EFA-STT® CR transparent clean room door is the best solution. Thanks to its spiral, this high-speed door opens and closes reliably at a speed of up to 2.5 m/s. It is particularly useful when the exchange of pressure and atmosphere is to be minimised.

### **EFA-STT® CR AT A GLANCE:**

- The door leaf consists at 70% of crystal clear acrylic glass
- Almost airtight
- Also for material locks
- Opening speed up to 2.5 m/s
- Closing speed up to 0.75 m/s
- Up to 200,000 operating cycles p.a.
- Standard sizes up to w=4,000 mm, h=5,000 mm



#### **EFA-SST® AT A GLANCE:**

- Max. heat insulation with EFA-THERM® laths
- Opening speed up to 2.5 m/s
- Closing speed up to 1.0 m/s
- Highest wind load capacity
- Top safety devices
- Up to 250,000 operating cycles p.a.
- Standard sizes of up to w=10,000 mm, h=12,000 mm

## **Spiral door technology in perfection.**

### **EFA-SST®**

The EFA-SST® high-speed spiral door represents a modern generation of industrial doors: perfect insulation, energy-efficient functionality, state-of-the-art technology. During the technical redesign, particular attention was paid to improving the physical properties of the door leaf as well as optimising the functionality, thus once again raising the standard of EFAFLEX industrial doors.

# The economical interior door. **EFA-SRT® ECO**

The EFA-SRT® ECO roll-up door is an extremely economical door system. Special structural preparations are not necessary due to the space-saving design, for example, its very slim side door frames. Thus, the EFA-SRT® ECO can be applied in more situations than any other roll-up door.

## **EFA-SRT® ECO AT A GLANCE:**

- Ideal for material-handling technology
- Space-saving design
- Excellent price-performance ratio
- With optional crash protection
- Opening speed up to 2.0 m/s
- Closing speed up to 1.0 m/s
- Up to 150,000 operating cycles p.a.
- Standard sizes up to  
w=6,000 mm, h=7,000 mm





# Technical details

## High-speed roll-up doors

		R Series		
		EFA-SRT®		
		Premium	ECO	
Size		L	L	S
Application	Interior door	●	●	●
Wind load max.*	According to DIN EN 12424 class resp. in km/h	0 – 3 –	– 18	0 – 2 18
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled
Resistance against water ingress*	According to DIN EN 13241 class	npd	npd	0
Air permeability*	According to DIN EN 13241 class	npd	npd	1
Direct airborne sound insulation R <sub>w</sub> *	in dB according to DIN EN 717-1	12	11	11
Door size (in mm)	Width W max.	5,000	4,000	6,000
	Height H max.	5,500	4,000	7,000
Maximum door leaf speed*	in m/s	2.6	2.0	2.0
Average speed, approx.*	Opening in m/s	2.0	1.5	1.5
	Closing in m/s	0.75	0.75	0.6
	Closing by door light grid EFA-TLG® in m/s	1.0	1.0	1.0
Steel design	Galvanized sheet steel frame	●	●	●
	Stainless steel	○	○	○
	Powder coated in RAL colours	○	○	○
Door leaf	Door curtain made of flexible PVC, transparent with warning stripes in different colours	●	●	–
	flexible fabric in different colours with / without vision pane	○/○	○/○	○/●
Fire class	Building Material class DIN 4102	B2	B2	B2
Weight balancing by		Spring	Weight	Weight
Designed for approx. ... operating cycles per year		150,000	150,000	150,000
Collision protection	EFA-EAS®	○	○	–
Drive	Electric motor	●	●	●
Control	EFA-TRONIC®	●	●	●
	EFA-TRONIC® Light	–	○	–
	EFA-TRONIC® Professional	○	○	○
	Main switch and foil keypad	●	●	●
Lead	Electricity connection 230 V/50 Hz	●	●	●
	Electricity connection 400 V/50 Hz	○	○	○
	Circuit breaker	16 A (K)	16 A (K)	16 A (K)
Emergency operation	Automatic after manual activation	●	●	●
	Manual activation	–	–	–
Safety Devices	EFA-TLG® door light grid in door closing line	○	○	○
	Contact edge	●	●	●
	Light barrier	●	●	●
	Approach area monitoring	○	○	○
	Light grid, external	○	○	○
Safety system including activator	EFA-SCAN® frame/bollard	–/○	–/○	–/○
	EFA-3D-SCAN	○	○	○

● Standard, ○ upon request, – Not available, npd = No Performance Determined,

\* Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

# Technical details

## High-speed doors clean room

		CR Series			
		EFA-SRT® CR			EFA-STT® CR
		Premium	Efficient	C	
Application	Interior door	●	●	●	●
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled	fulfilled
Clean room class	ISO 14644-1	5	6	6/7	6
Door size (in mm)	Width W max.	2,500	3,000	3,500	4,000
	Height H max.	3,000	3,500	3,500	5,000
Maximum door leaf speed*	in m/s				3,0
Average speed, approx. *	Opening in m/s	1.0	0.8	2.0	
	Closing in m/s	0.5	0.5	0.75	0.75
	Closing by door light grid EFA-TLG® in m/s	–	–	–	0.75
Guide of door leaf	Round Spiral	–	–	–	●
Steel design	Galvanized sheet steel frame	–	–	–	●
	Stainless steel	●	○	●	○
	Powder coated in RAL colours	○	●	○	○
Door leaf	EFA-CLEAR® Vision laths single-walled	–	–	–	●
	non transparent infill single-walled / doublewalled	–	–	–	○
	Colour according to RAL (without vision panel)	–	–	–	○
	flexible fabric in different colours with / without vision panel	○/●	○/●	○/●	–
Fire class	Building Material class DIN 4102	B2	B2	B2	B2
Weight balancing by		Spring	–	Spring	Spring
Designed for approx ... operating cycles per year		200,000	100,000	200,000	200,000
Drive	Electric motor	●	●	●	●
Control	EFA-TRONIC®	● integrated	●	●	●
	EFA-TRONIC® Professional	–	–	–	○
	Main switch and foil keypad	●	●	●	●
Lead	Electricity connection 230 V/50 Hz	●	●	●	●
	Circuit breaker	16 A (K)	16 A (K)	16 A (K)	16 A (K)
Manual locking		–	–	–	○
Emergency operation	Automatic after manual activation	●	–	●	○
	Manual activation	–	●	–	–
Safety Devices	EFA-TLG® door light grid in door closing line	○	–	●	○
	Contact edge	●	●	–	●
	Light barrier	●	●	–	●
	Approach area monitoring	○	○	○	○
	Light grid, external	○	○	○	○
Safety system including activator	EFA-SCAN® frame/bollard	–/○	–/○	–/○	–/○
	EFA-3D-SCAN	○	○	○	○

● Standard, ○ upon request, – Not available, \* Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

# Technical details

## High-speed spiral doors

		Premium				
	Size	L	S	ÜS	XL	XXL
Application	Interior door	●	●	●	●	●
	Lock-up doors	●	●	●	●	●
Wind load max.*	According to DIN EN 12424 class	2 – 4	2 – 4	2 – 4	0 – 2	2 – 4
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled	erfüllt	fulfilled
Resistance against water ingress*	According to DIN EN 13241 class	3	3	3	3	1
Air permeability*	According to DIN EN 13241 class	3	3	3	3	3
Direct airborne sound insulation $R_{w}$ *	in dB according to DIN EN 717-1	24	25	26	26	26
U value maximum*	in W/m <sup>2</sup> K according to DIN EN 13241	1.52	0.91	0.66	0.66	0.54
Door size (in mm)	Width W max.	4,500	6,000	8,000	10,000	10,000
	Height H max.	5,000	6,000	8,000	6,600	12,000
Maximum door leaf speed*	in m/s	2.5	1.5	1.2	1.0	0.5
Average speed, approx.*	Opening in m/s	2	1.2	1	0.8	0.5
	Closing in m/s	–	0.6	–	–	–
	Closing by door light grid EFA-TLG® in m/s	1	1	0.8	0.4	0.3
Guide of door leaf	Round Spiral	●	●	●	●	●
	Oval Spiral	●	●	–	–	–
	Low-header	–	–	–	–	–
Steel design	Galvanized sheet steel frame	●	●	●	●	●
	Stainless steel	○	○	–	–	–
	Powder coated in RAL colours	○	○	○	○	○
Door leaf	EFA-THERM® laths insulated/painted	●	●	●	●	●
	EFA-CLEAR® Vision laths double-walled, thermally separated	○	○	○	○	○
	EFA-CLEAR® Vision laths single-walled	○	○	–	–	–
	EFA-VENT® Ventilation laths	○	○	–	–	–
	EFA-ALUX® Aluminium laths	–	–	–	–	–
	Colour according to RAL (without vision panel)	○	○	○	○	○
Fire class	Building Material class DIN 4102	B2	B2	B2	B2	B2
Weight balancing by		Spring	Spring	Spring	Spring	Spring
Designed for approx ... operating cycles per year		250,000	250,000	250,000	150,000	100,000
Drive	Electric motor	●	●	●	●	●
Control	EFA-TRONIC®	●	●	–	–	○
	EFA-TRONIC® Light	–	–	–	–	–
	EFA-TRONIC® Professional	○	○	●	●	●
	Main switch and foil keypad	●	●	●	●	●
Lead	Electricity connection 230 V/50 Hz	●	●	●	●	–
	Electricity connection 400 V/50 Hz	○	○	○	○	●
	Circuit breaker	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)
Manual locking		●	●	●	●	●
Emergency operation	Automatic after manual activation	●	●	●	●	●
Safety Devices	EFA-TLG® door light grid in door closing line	●	●	●	●	●
	Contact edge	○	○	–	–	–
	Light barrier	○	○	–	–	–
	Approach area monitoring	○	○	○	○	○
	Light grid, external	○	○	○	○	○
Safety system including activator	EFA-SCAN® frame/bollard	○/○	○/○	○/○	○/○	○/○
	EFA-3D-SCAN	○	○	○	○	○

● Standard, ○ upon request, – Not available, npd = No Performance Determined

\*Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!



## S Series

EFA-SST®								
ECO		Basic	Essential	Classic				
L	S	L	L	L	S	ÜS	L-N	S-N
● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●
2 – 4	2 – 4	2 – 4	2 – 4	2 – 4	4	2 – 4	2 – 4	4
fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled
3	3	3	2	0	0	0	npd	npd
3	3	3	0	2	2	2	npd	npd
24	25	24	20	23	25	25	23	25
1.52	0.91	1.52	1.67	5.8	5.6	5.6	5.8	5.7
4,500 5,000	6,000 6,000	4,500 5,000	4,500 5,000	4,000 5,000	6,000 7,000	8,000 7,000	4,000 4,000	6,000 5,000
1.0	0.9	0.5	0.5	2.0	2.0	1.5	1.5	1.5
1	0.9	0.5	0.5	1.5	1.2	1	1.5	1.2
0.6	0.6	0.5	0.5	0.75	0.6	0.6	0.75	0.6
0.6	0.6	–	–	1	1	1	1	1
● ● ●	● ● ●	● ● –	● – –	● ● –	● ● –	● ● –	– – ●	– – ●
● ○ ○	● ○ ○	● ○ ○	● – ○	● ○ ○	● ○ ○	● ○ ○	● ○ ○	● ○ ○
● ○ ○ ○ – ○	● ○ ○ ○ – ○	● ○ ○ ○ – ○	● ○ ○ ○ – ○	– – ○ ○ ● ○	– – ○ ○ ● ○	– – ○ ○ ● ○	– – ○ ○ ○ ○	– – ○ ○ ○ ○
B2	B2	B2	B2	B2	B2	B2	B2	B2
Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring
200,000	200,000	100,000	100,000	250,000	250,000	250,000	150,000	150,000
●	●	●	●	●	●	●	●	●
● – ○ ●	● – ○ ●	○ ● ○ ●	○ ● ○ ○	● – ○ ●	● – ○ ●	– – ● ●	● – ○ ●	● – ○ ●
● ○ 16 A (K)	● ○ 16 A (K)	● – 16 A (K)	● – 16 A (K)	● ○ 16 A (K)	● ○ 16 A (K)	● ○ 16 A (K)	● ○ 16 A (K)	● ○ 16 A (K)
○	○	○	○	○	○	○	○	○
●	●	●	●	●	●	●	●	●
○ ● ● ○ ○	* * * ○ ○	– ● ● ○ ○	– ● ● ○ –	○ ● ● ○ ○	* * * ○ ○	* * * ○ ○	○ ● ● ○ ○	* * * ○ ○
o/o ○	o/o ○	– ○	– ○	–/o ○	–/o ○	–/o ○	○ ○	○ ○

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EFAFLEX® is a registered and legally  
protected trademark.

Subject to technical changes. Some  
diagrams depict special features.

Overall design:

[www.creativconcept.de](http://www.creativconcept.de) 03 | 2025

**EFAFLEX**   
safe high-speed doors