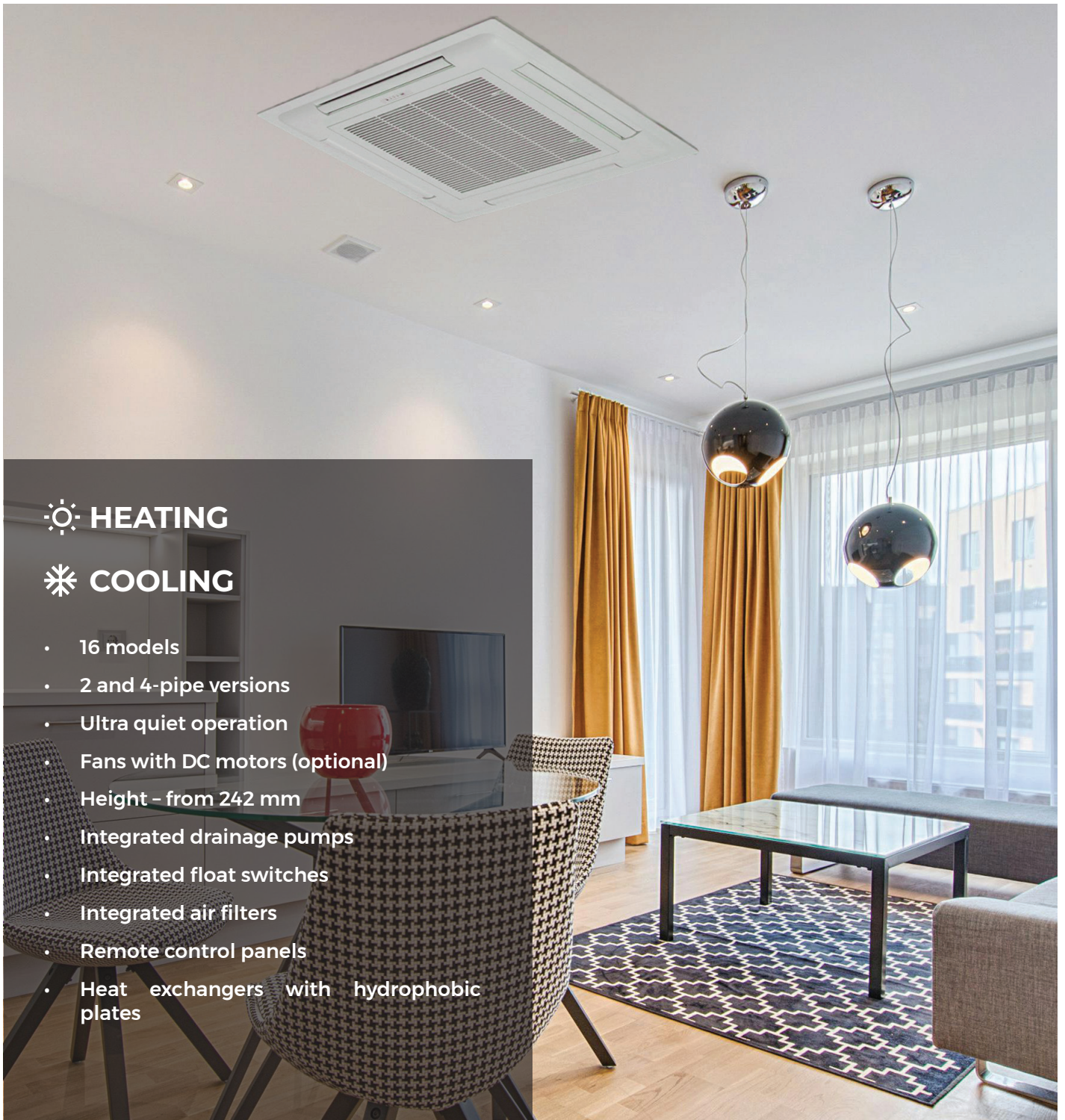


# CASSETTE FAN COILS | CF



 HEATING

 COOLING

- 16 models
- 2 and 4-pipe versions
- Ultra quiet operation
- Fans with DC motors (optional)
- Height - from 242 mm
- Integrated drainage pumps
- Integrated float switches
- Integrated air filters
- Remote control panels
- Heat exchangers with hydrophobic plates

# MAIN FEATURES

## Ultra quiet operation

Fans with well-balanced impellers and silent motors ensure extremely low noise levels.

## Low profile

Height – from 242 mm. Ideal for spaces with low ceilings.

## Fans with AC or DC electric motors

Models with AC motors have 3 speeds. In models with DC motors, the fan speed is adjustable from 0 to 10V. The standard TW24 thermostats supplied with these models support 5 speeds. Both motor types are equipped with reliable self-lubricating bearings.

DC motors are significantly more efficient, especially at lower speeds. They consume up to 70% less energy than AC motors. They are also quieter, making them ideal for environments that require minimum noise levels.

DC motors offer a wider range of speed control for more precise airflow control.

## Condensate drainage

Each unit has integrated condensate trays and condensate pumps (lifting height 750 mm) with float switches. This ensures efficient condensate drainage.

Thermal housing insulation prevents secondary condensation.

## Air filters

All models have washable nylon inlet air filters.

Remote control panels are standard on all models.

## Heat exchangers with hydrophobic plates

The hydrophobic coating improves the removal of condensate from the heat exchanger surface, thus increasing the efficiency of heat exchange. Efficient heat transfer reduces energy consumption. The hydrophobic coating also helps protect the plates from corrosion, dust and dirt build-up, extending the life of the unit.

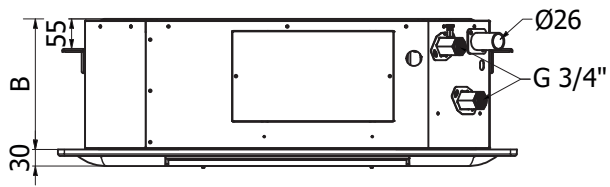


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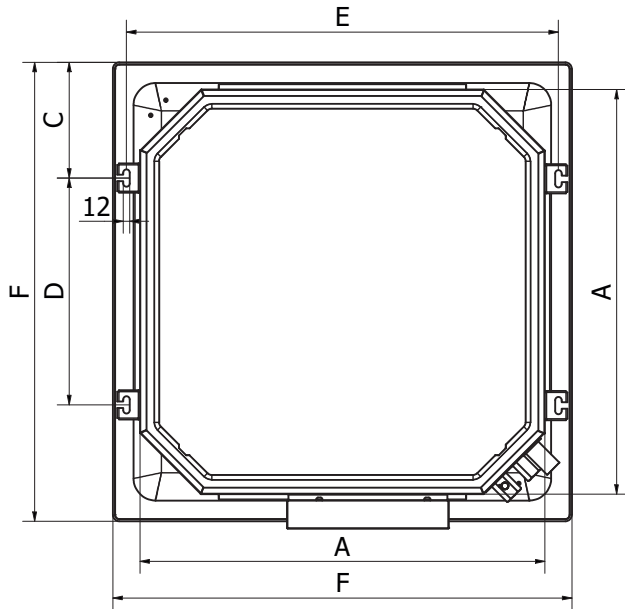
<b>04</b>	<b>2-PIPE VERSION</b>
<b>07</b>	<b>4-PIPE VERSION</b>
<b>10</b>	<b>ACCESSORIES</b>
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## 2-PIPE VERSION



Model	CF2 51	CF2 68	CF2 105	CF2 138	CF2 205
A	590	590	750	840	840
B	242	242	242	242	292
C	110	110	205	245	245
D	410	410	420	440	440
E	635	635	798	888	888
F	650	650	850	950	950



## COOLING PARAMETERS

Parameter	Speed	Units	CF2 51	CF2 68	CF2 105	CF2 138	CF2 205	
<b>Temperatures: supply water 7°C, return water 12°C, room 27 °C</b>								
Cooling capacity	Total	Maximum	W	3 096	3 839	5 646	7 657	10 805
	Sensible			2 169	2 698	4 018	5 431	7 729
	Total	Medium		2 652	3 252	4 843	6 555	9 332
	Sensible			1 848	2 277	3 429	4 623	6 636
	Total	Low		2 127	2 623	3 891	5 296	7 567
	Sensible			1 475	1 829	2 742	3 713	5 346
Airflow		Maximum	m <sup>3</sup> /h	550	680	1 050	1 380	2 050
		Medium	440	540	840	1 100	1 640	
		Low	330	410	630	830	1 230	
Water flow		l/h	533	660	971	1 317	1 858	
Max. pressure losses		kPa	18,9	20,4	24,2	28,3	34,9	

### Temperatures: supply water 17°C, return water 22°C, room 27 °C

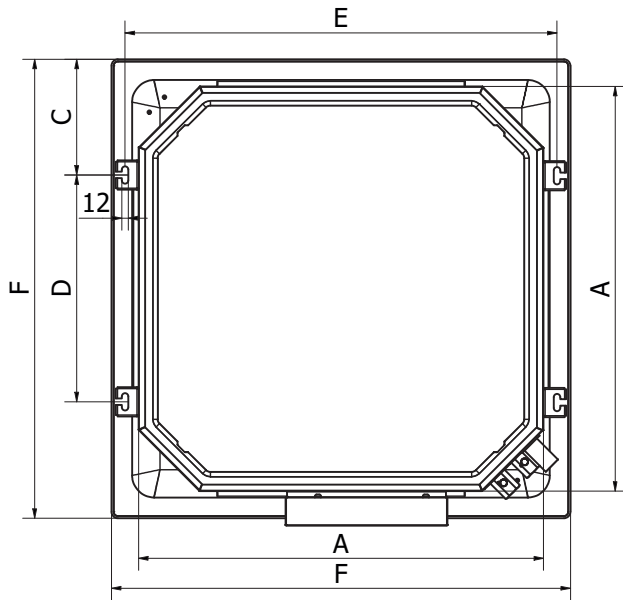
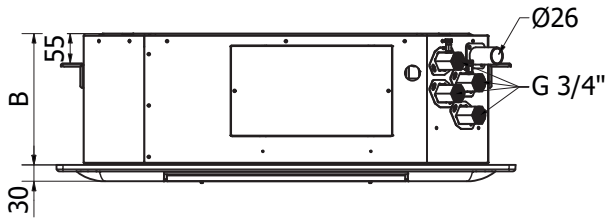
Cooling capacity	Total	Maximum	W	519	629	930	1 270	1 797
	Sensible			861	1 061	1 573	2 136	3 026
	Total	Medium		443	553	825	1 127	1 571
	Sensible			733	907	1 362	1 847	2 618
	Total	Low		390	501	753	1 020	1 420
	Sensible			605	759	1 144	1 549	2 206
Airflow		Maximum	m <sup>3</sup> /h	550	680	1 050	1 380	2 050
		Medium	440	540	840	1 100	1 640	
		Low	330	410	630	830	1 230	
Water flow		l/h	89	108	160	218	309	
Max. pressure losses		kPa	13,5	13,8	14,4	15,1	16,2	

Parameter	Static pressure	Units	CF2 51	CF2 68	CF2 105	CF2 138	CF2 205
Sound pressure level	12Pa	dB(A)	39	41	45	47	50
	30Pa		41	43	48	49	52
	50Pa		44	46	49	50	54
Max. el. power		W	50	58	95	130	190
<b>Pipeline connections</b>			<b>G3/4"</b>				
<b>Max. working pressure</b>		<b>Mpa</b>	<b>1.6</b>				
<b>Condensate connections</b>		<b>mm</b>	<b>ø26</b>				
Dimensions (length x width x height)	Device	mm	590x590x242	590x590x242	750x750x242	840x840x242	840x840x242
	Panel	mm	650x650x30	650x650x30	850x850x30	950x950x30	950x950x30
Weight	Device	kg	13	14	17	26	32
	Panel		2.2	2.2	4.2	5	5

## HEATING PARAMETERS

Parameter	Speed	Units	CF2 51	CF2 68	CF2 105	CF2 138	CF2 205
<b>Temperatures: supply water 35°C, return water 30°C, room 20 °C</b>							
Heating capacity	Maximum	W	1 636	2 037	3 038	4 113	5 843
	Medium		1 402	1 732	2 609	3 524	5 048
	Low		1 128	1 401	2 104	2 854	4 103
Airflow	Maximum	m <sup>3</sup> /h	550	680	1 050	1 380	2 050
	Medium		440	540	840	1 100	1 640
	Low		330	410	630	830	1 230
Water flow		l/h	281	350	523	707	1 005
Max. pressure losses		kPa	15,8	16,7	18,7	21,0	24,6
<b>Temperatures: supply water 45°C, return water 40°C, room 20 °C</b>							
Heating capacity	Maximum	W	3 141	3 925	5 896	7 958	11 369
	Medium		2 681	3 322	5 044	6 787	9 782
	Low		2 147	2 678	4 052	5 473	7 911
Airflow	Maximum	m <sup>3</sup> /h	550	680	1 050	1 380	2 050
	Medium		440	540	840	1 100	1 640
	Low		330	410	630	830	1 230
Water flow		l/h	540	675	1 014	1 369	1 955
Max. pressure losses		kPa	19,0	20,6	24,7	28,9	36,0
<b>Static pressure</b>							
Parameter	Static pressure	Units	CF2 51	CF2 68	CF2 105	CF2 138	CF2 205
Sound pressure level	12Pa	dB(A)	39	41	45	47	50
	30Pa		41	43	48	49	52
	50Pa		44	46	49	50	54
Max. el. power		mm	50	58	95	130	190
<b>Pipeline connections</b>					<b>G3/4"</b>		
<b>Max. working pressure</b>		<b>Mpa</b>	<b>1.6</b>				
<b>Condensate connections</b>		<b>mm</b>	<b>ø26</b>				
Dimensions (length x width x height)	Device	mm	590x590x242	590x590x242	750x750x242	840x840x242	840x840x242
	Panel	mm	650x650x30	650x650x30	850x850x30	950x950x30	950x950x30
Weight	Device	kg	13	14	17	26	32
	Panel		2.2	2.2	4.2	5	5

## 4-PIPE VERSION



Model	CF4 51	CF4 68	CF4 105	CF4 138	CF4 205
A	590	590	750	840	840
B	242	242	242	242	292
C	110	110	205	245	245
D	410	410	420	440	440
E	635	635	798	888	888
F	650	650	850	950	950

## COOLING PARAMETERS

Parameter	Speed	Units	CF4 51	CF4 68	CF4 105	CF4 138	CF4 205	
<b>Temperatures: supply water 7°C, return water 12°C, room 27 °C</b>								
Cooling capacity	Total	Maximum	W	3 096	3 839	5 646	7 657	10 805
	Sensible			2 169	2 698	4 018	5 431	7 729
	Total	Medium		2 652	3 252	4 843	6 555	9 332
	Sensible			1 848	2 277	3 429	4 623	6 636
	Total	Low		2 127	2 623	3 891	5 296	7 567
	Sensible			1 475	1 829	2 742	3 713	5 346
Airflow	Maximum	m <sup>3</sup> /h	520	650	1 000	1 320	1 950	
	Medium		420	510	800	1 050	1 560	
	Low		310	390	600	790	1 170	
Water flow		l/h	533	660	971	1 317	1 858	
Max. pressure losses		kPa	18,9	20,4	24,2	28,3	34,9	

<b>Temperatures: supply water 17°C, return water 22°C, room 27 °C</b>								
Cooling capacity	Total	Maximum	W	519	629	930	1 270	1 797
	Sensible			861	1 061	1 573	2 136	3 026
	Total	Medium		443	553	825	1 127	1 571
	Sensible			733	907	1 362	1 847	2 618
	Total	Low		390	501	753	1 020	1 420
	Sensible			605	759	1 144	1 549	2 206
Airflow	Maximum	m <sup>3</sup> /h	520	650	1 000	1 320	1 950	
	Medium		420	510	800	1 050	1 560	
	Low		310	390	600	790	1 170	
Water flow		l/h	89	108	160	218	309	
Max. pressure losses		kPa	13,5	13,8	14,4	15,1	16,2	

Parameter	Static pressure	Units	CF4 51	CF4 68	CF4 105	CF4 138	CF4 205
Sound pressure level	12Pa	dB(A)	41	43	45	46	51
	30Pa		34	36	38	39	43
	50Pa		28	30	32	33	37
Max. el. power		W	50	58	95	130	190
<b>Pipeline connections</b>			<b>G3/4"</b>				
<b>Max. working pressure</b>		<b>Mpa</b>	<b>1.6</b>				
<b>Condensate connections</b>		<b>mm</b>	<b>ø26</b>				
Dimensions (length x width x height)	Device	mm	590x590x242	590x590x242	750x750x242	840x840x242	840x840x242
	Panel	mm	650x650x30	650x650x30	850x850x30	950x950x30	950x950x30
Weight	Device	kg	20	20	25,5	27,5	29,5
	Panel		2.2	2.2	4.2	5	5



## HEATING PARAMETERS

Parameter	Speed	Units	CF4 51	CF4 68	CF4 105	CF4 138	CF4 205
<b>Temperatures: supply water 35°C, return water 30°C, room 20 °C</b>							
Heating capacity	Maximum	W	1197	1339	2241	2779	3674
	Medium		1063	1185	1990	2467	3310
	Low		878	1017	1675	2085	2840
Airflow	Maximum	m <sup>3</sup> /h	520	650	1000	1320	1950
	Medium		420	510	800	1050	1560
	Low		310	390	600	790	1170
Water flow		l/h	206	230	385	478	632
Max. pressure losses		kPa	14,9	15,2	17,1	18,2	20,1
<b>Temperatures: supply water 45°C, return water 40°C, room 20 °C</b>							
Heating capacity	Maximum	W	2344	2630	4336	5544	7343
	Medium		2075	2319	3836	4904	6601
	Low		1705	1982	3209	4129	5639
Airflow	Maximum	m <sup>3</sup> /h	520	650	1000	1320	1950
	Medium		420	510	800	1050	1560
	Low		310	390	600	790	1170
Water flow		l/h	403	452	746	954	1263
Max. pressure losses		kPa	17,3	17,9	21,4	23,9	27,7
<b>Sound pressure level</b>							
Sound pressure level	12Pa	dB(A)	41	43	45	46	51
	30Pa		34	36	38	39	43
	50Pa		28	30	32	33	37
Max. el. power		mm	50	58	95	130	190
<b>Pipeline connections</b>					<b>G3/4"</b>		
<b>Max. working pressure</b>		<b>Mpa</b>	<b>1.6</b>				
<b>Condensate connections</b>		<b>mm</b>	<b>ø26</b>				
Dimensions (length x width x height)	Device	mm	590x590x242	590x590x242	750x750x242	840x840x242	840x840x242
	Panel	mm	650x650x30	650x650x30	850x850x30	950x950x30	950x950x30
Weight	Device	kg	20	20	25,5	27,5	29,5
	Panel	kg	2.2	2.2	4.2	5	5

### REMOTE CONTROLLER (IN BASE)



- Mode selection: Auto, Heating, Cooling, Drying, Ventilation
- Temperature setting: Allows precise control of room temperature.
- Amplitude of fluctuation: Fluctuation range can be set.
- Airflow direction control: Directs the air exactly where it is needed.
- Sleep mode: Optimises the environment for better sleep.
- Timer: Allows setting of specific operating times.

### THERMOSTATIC VALVE **TVS15**

To control the flow of the energy carrier. Controlled by actuator for thermostatic valve A24NC or A230NC



Operating temperature -10°C-120°C

Thread 1/2"

Pressure class - PN10

Kvs - 2.00

Housing - Nickel-plated bronze

### ACTUATOR FOR THERMOSTATIC VALVE (24V) FOR MODELS WITH DC FANS

For opening/closing the thermostatic valve. Adjustable with room thermostat TW24



Operating voltage - 24 VAC

El. power - 2.5W

Protection class - IP54

Connection thread - M30 x 1.5 mm

Housing material - PC/ABS

### LOCKSHIELD (STRAIGHT) **LS15**

For opening, closing the energy carrier, setting the maximum flow rate



Operating temperature -10°C-120°C

Thread 1/2"

Pressure class - PN10

Kvs - 2.00

Housing - Nickel-plated bronze

### ACTUATOR FOR THERMOSTATIC VALVE (230V) FOR MODELS WITH AC FANS

For opening/closing the thermostatic valve. Adjustable with room thermostat TW230-3



Operating voltage - 230 VAC

El. power - 2.5W

Protection class - IP54

Connection thread - M30 x 1.5 mm

Housing material - PC/ABS

## ORDER CODES

Accessory	Order code
Thermostatic valve	TVSP15
Lockshield (straight)	LS15
Actuator A24NC	A24NC
Actuator A230NC	A230NC

## ABOUT KONVEKA

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Konveka is a **full production cycle convector manufacturing company** engaged in this activity **since 2005**. The range of products we develop and manufacture is wide: from simple natural convection convectors to complex devices with fans for heating, cooling and ventilation.

Konveka is a manufacturer of high-quality and reliable convectors:

- We provide a **5 - 10 year warranty for all our products** (except their electrical part) without any additional warranty extension fees.
- **The capacities of all our products are determined by independent accredited laboratories** according to current standards. With us, 1kW means 1kW.
- We **do not use cheap, unapproved solutions or use unreliable materials** when designing and manufacturing our devices.

Although we operate in a highly competitive international market, **we are at the forefront where quality, durability and reliability are valued.**

We are well known in **Eastern and Western Europe, Scandinavia, North America and Central Asia**. Konveka products can be seen in many prestigious buildings around the world: administrative buildings, shopping malls, airports, restaurants, theaters, universities, hotels, apartment buildings and individual homes. Visit our website [www.konveka.com](http://www.konveka.com) for more information.

Konveka consistently wins **national awards** (see below) for **reliability, consistency and business growth**.

Our slogan - **“More than you expected”** reflects the quality of our products and technical solutions, which often exceed customer expectations. We value our customers and are happy to be a part of their successful business.





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