



Refreshment Experts

FS series



Benefit from our strengths

Leave refreshment to the experts

The FS 1500 and FS 2020 are your customers' first choice for beverages, sweets, snacks, etc. Awaken your customers' appetite to a wide range of enticing product lines. Ideal for highly frequented sites where only vending machines can provide the wide variety of refreshments required.

Beverages, sweets, snacks and non-food items: The combination of chutes and spirals ensures the optimum configuration to suit every location. Products are dispensed according to FIFO – First-in-first-out principle.

Benefit from the diversity of options and versions the FS series can offer: The FS 1500 requiring minimum space or the FS2020 providing maximum capacity. All the vending machines in this series are available in EC and High Security versions and the FS2020 also as an outdoor version. The easy-to-service FS-vendors from Sielaff are the optimum solution for dispensing a wide variety of refreshments whatever the location. Choose the model which best suits your requirements.

Wide choice to meet all requirements

The FS series offers a wide selection of refreshments from a single machine wherever the site – from beverages, sweets and snacks to non-food items.

Capacity has never been so flexible

The FS series' formula for success is: 2 in 1. These vending machines are designed for flexibility, offering maximum capacity with up to 4 drink chutes and 3 spirals per shelf in the FS 1500, or up to 6 chutes and 5 spirals per shelf in the FS 2020.

Ideal temperature throughout

With 2 different temperature zones, the interior is always perfectly cooled to ensure the products are delivered at optimum temperature. Our low maintenance cooling system with electronically controlled, high performance slide-in cooling unit guarantees the right temperature.

The name Sielaff stands for optimum service

"Easy-to-service" applies to all of our vending machines: All components are highest quality, endurance tested and easily accessible.



The drinks chutes can be configured to suit any location



The FS-series attracts the consumer with its variety of drinks, confectionery, snacks or non-food items

Think ecologically – act economically

Ecologically designed and economical to run: This is due to the use of insulated, laminated safety glass and energy-saving LED-illumination in conjunction with our freely-programmable energy saving mode for the cooling unit and lighting when the machine is not in use.

Quality "Made in Germany"

Customers around the world trust this assurance. Sielaff stands for meticulous production, first class materials and high quality workmanship. Our vending machines are extremely easy to service, absolutely reliable and guarantee maximum service life.



Talent and Technology

General facts

- Sale of confectionery, snacks, beverages and non-food items
- Customer payment and product collection areas are positioned for the ease of disabled users
- Modular construction – for ease of servicing and recycling

Energy

- LED-illuminated internal cabinet
- Insulated composite glass

Cooling

- Low maintenance, hermetically sealed cooling system with flexible, electronically controlled high-performance, push-in chiller unit
- As standard HFKW-134a coolant with a GWP of 1430
- Optional: HC refrigerant R290 with a GWP of 3
- Dual refrigeration temperatures i.e 6 - 8 °C temperature range in the drink area and 12 - 15 °C in the snacks section

Chutes

- Available with up to 4 chutes (FS 1500) or 6 chutes (FS 2020)
- Simple to replace or adjust on site
- Some products can also be stored double, triple or quadruple depth depending on length
- DC technology
- Various widths for cans and bottles from 0.2 to 2.0 l

Narrow chute

- For products with a max. diameter of 86 mm
- Chute width 85 to 105 mm depending on product diameter

Standard chute

- For products up to 2.0 l
- Chute width depending on product diameter
- FS 1500 : Standard chute for products up to 1.0 l

Spiral shelves

- Height adjustable, stainless steel spiral shelves
- Shelves can be adjusted on site to suit specific products
- Tilting product shelves for ease of filling top ones
- Product shelves with cable-free, self-referencing plug-in connection
- Option: reinforced shelf
This option is required if the total weight of the products on the shelf exceeds 15 kg. A reinforced shelf can bear a maximum weight of 30 kg

Spirals

- High shiny stainless steel spirals
- Standardized spirals in all Sielaff FS and SÜ vending machines
- Spirals available in various sizes
- Numerous adjustment features available, e.g. vertical and horizontal spiral dividers
- First-in-first-out principle



The combination of spirals and chutes provides a range of products to suit every location



Narrow and standard chutes for different types of cans and bottles



Spirals are manufactured from high quality, shiny stainless steel

Talent and Technology

Multiflex pusher (optional)

- For easy vending of large and bulky items

Payment Systems

- Easy integration of payment systems

Technology

- Automatic recognition of motors and simultaneous assignment of selection numbers
- Central mains switch
- Sales/Service data recorded in accordance with EVA-DTS standards (e.g. via telemetry, MDB-connection or infrared interface)
- Full length cover with special seal and optional lock for safeguarding components fitted inside, incl. cashbox

Options:

- Side foot plates
- Light bar
The light bar checks if the product selected is being dispensed
- Reinforced cassette cooling for climatic class N (32°C/65% humidity); climatic class T (43°C/75% humidity)
- Additional rear wall suitable for advertising



Multiflex pushers to dispense larger products, available in different sizes



High security frame with side lock



Coin return drum available as an option

Variants

FS 1500/2020 High Security

- Anti-vandalism panel
- Coin-insert slide and change drum
- Reinforced locking lever protection
- Optional:
 - High security frame with side lock

FS 1500 / 2020 EC

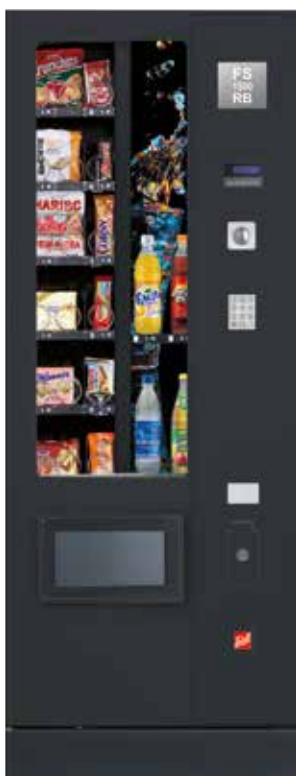
- Operator panel in stainless steel
- Locking lever in stainless steel
- Metal selection keypad
- Optional:
 - coin insert slide and change drum

Overview of the available machines

	EC	RB	HighSec	RO
FS 1500	X	X	X	–
FS 2020	X	X	X	X

FS 1500 / 2020 RB

- Operator panel in door colour (RAL)
- Locking lever in door colour (RAL)
- Metal selection keypad
- Optional:
 - coin insert slide and change drum



FS 1500 RB



FS 1500 EC HiSec



FS 1500 RB HiSec

Variants

FS 2020 RO

- Rain roof and water spray protection
- Coin insert slide and change return drum
- Hinge protection
- Re-inforced locking lever protection
- High security frame with additional lock
- Circuit breaker
- Higher performance chiller unit, with heater ("Frost monitoring function", the internal temperature is maintained above 0 °C)
- Rear wall (additional advertising opportunity)
- Front and side foot plates
- IP 24 rated



FS 2020 RB



FS 2020 EC HiSec



FS 2020 RO

Capacities at a glance

Chute capacities and space requirement guide

						Narrow chute FS 2020: all; FS 1500: up to 0.5 l only			Standard chute FS 2020 only		
			Max. diameter	Length	„x-times depth“ Product depth in chute	Capacity per chute	Chute width	„x-times depth“	Capacity per chute	Chute width	
Cans	0.25 l	Slim	53 mm	134 mm	3	57	85 mm	n. a.	n. a.	n. a.	
Cans	0.33 l	Sleek	58 mm	146 mm	3	54	85 mm	2	70	123 mm	
Cans	0.33 l	Standard	66 mm	116 mm	4	64	85 mm	4	112	127,5 mm	
Cans	0.50 l		66 mm	169 mm	2	32	85 mm	2	62	136 mm	
Bottles	0.50 l		< 66 mm	< 245 mm	2	28	85 mm	2	56	135 mm	
Bottles	1.00 l		83 mm	> 245 mm	1	13	110 mm	1	25	165 mm	
Bottles	1.50 l		< 90 mm	> 245 mm	n. a.	n. a.	n. a.	1	25	179 mm	

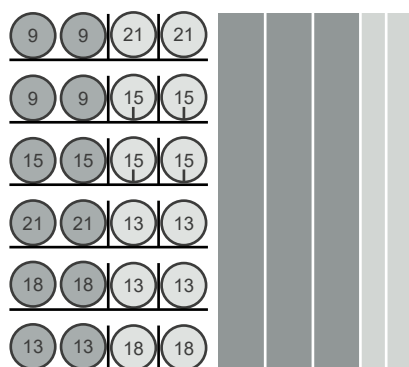
Spirals

Pitch	Suitable for products up to	Capacity per spiral	Pitch	Suitable for products up to	Capacity per spiral
4	105 mm	4	11	39 mm	10 each
6	85 mm	5	13	34 mm	12 each
7	72 mm	6	15	27 mm	14 each
8	60 mm	7	18	22 mm	17 each
9	50 mm	8	21	19 mm	20 each

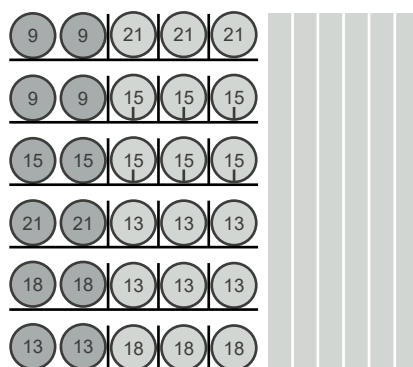
Information supplied without liability.

Layout examples

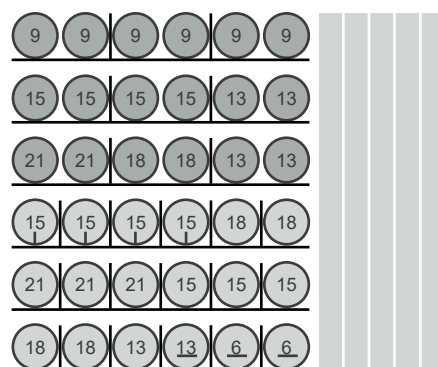
FS 2020



6 types of bagged products,
12 types of bar products,
3 standard chutes, 2 narrow chutes*
FS 2020 4/18 + 5

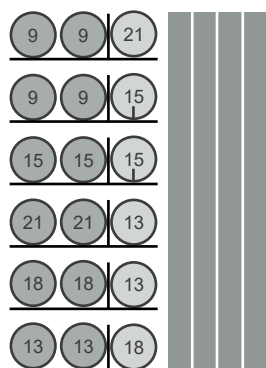


6 types of bagged products,
18 types of bar products,
6 narrow chutes*
FS 2020 5/24 + 6

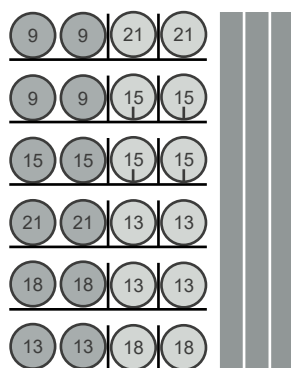


9 types of bagged products,
18 types of bar products,
5 narrow chutes*
FS 2020 6/27 + 5

FS 1500

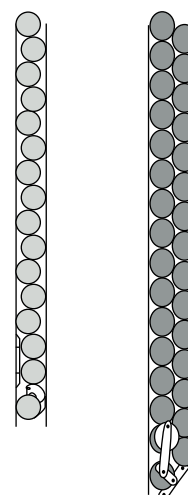


6 types of bagged products,
6 types of bar products,
4 narrow chutes*
FS 1500 3/12 + 4



6 types of bagged products,
12 types of bar products,
3 narrow chutes*
FS 1500 4/18 + 3

Narrow chute Standard chute



* with 85 mm narrow chutes

The examples above are only recommendations.
If the layout you require is not shown, please contact us.
We specialise in bespoke solutions to suit every location.



Housing available in
pure white (RAL 9010),
white aluminium (RAL 9006)
and jet black (RAL 9005)

* Machine dimensions may
vary due to add-on parts
and accessories



FS 1500 EC und RB Dimensions

- 1,830 x 700 x 880 mm
(height x width x depth)*

Weight

- Approx. 353 kg
(without products, depending on the layout)

Electrical data

- 220-230 V/50/60 Hz/min. 10 A

Power consumption

- 400 W
(varies depending on the refrigeration)

FS 1500 HiSec Dimensions

- 1,830 x 700 x 900 mm
(height x width x depth
incl. anti-vandalism panel)*

Weight

- Approx. 373 kg
(without products,
weight may vary depending on layout)

Energy consumption labelling

- in accordance with regulation
(EU) 2019/2018 DIN 50597:2018
Refrigerants HFKW-134a
Energy efficiency category D
HC refrigerant R-290
Energy efficiency category D

Energy efficiency for all
machine types can be
found under
[www.sielaff.de/en/products/
energy-consumption-
labeling](http://www.sielaff.de/en/products/energy-consumption-labeling)





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