

Fact Sheet

FSL-EVO S

BIZERBA

The fully automatic filling system optimizes your production process by to-the-gram weighing, gentle dosing of foaming liquids and safe packaging even of flammable or corrosive products. You benefit from maximum flexibility in terms of filling different container types and sizes by means of a multifunctional positioning unit which enables efficient handling without changeover time.



More information
High performance
with a wide range of
solutions and options.

Specifications	Facts	Details
Weighing terminal	iS50 Industrial Weighing Terminal	Manual control possible
EC type approval	DE-15-MI006-PTB003	
Valves	Above-surface valve	<p>A = with nozzle DN25, L=300 mm, product connection G 1 ¼", used for canisters, drums</p> <p>B = with nozzle DN40, L=300 mm, product connection G 1 ¼", used for drums, containers</p> <p>D = without nozzle DN25, product connection G 1 ¼", used for pails</p> <p>E = without nozzle DN50, product connection G 2", used for pails, containers</p> <p>F = project valve</p>
	Below-bunghole valve	<p>A = with nozzle DN25, L=300 mm, product connection G 1 ¼", used for canisters, drums</p> <p>B = with nozzle DN40, L=300 mm, product connection G 1 ¼", used for drums, containers</p> <p>F = project valve</p>
	Below-surface valve	<p>A = with nozzle DN25, L=300 mm, product connection G 1 ¼", used for canisters, drums</p> <p>B = with nozzle DN40, L=300 mm, product connection G 1 ¼", used for drums, containers</p> <p>C = with nozzle DN40, L=1,200 mm, product connection G 2", used for drums, containers</p> <p>F = project valve</p>
Valve material	1.4404/1.4571	
Seal	PTFE	
Actuator	Hood: Anod.alum.	
Control	iS50 Industrial Weighing Terminal, SPS	Siemens S7
Container transport	automatic	
Load receptors	Platform scale	Single-range: 15 kg/5 g
	iL Economy 300F/SP Type 2	30 kg/10 g
		Multi-range: 15/30 kg, e=5/10 g
	iL Professional 4000F/MP	Single-range: 600 kg/ 200 g
		Multi-range: 600/1,500 kg 200/500 g
EX	EX zone 2	ATEX II 3 G
	EX zone 1	ATEX II 2 G
Filling process	Above-surface	
	Below-surface	
	Below-bunghole	
Container	Canister	

	Pail IBC	
Dosing	2-stage	coarse and fine
Base height adjustment	manually: Crank pneumatically supported	Canisters, pails IBC
Frame	Stainless steel	1.4301
Options	Facts	Details
Drop catcher	mechanical pneumatic	Drip scoop with product return to container incl. wiper ring pneumatically operated drop catcher with disposable drip scoop and position monitoring, internal pneumatics connection
Aspiration hood		Aspiration hood with removable viewing window and hose connection
Quick change filling valve	Above-surface valve Below-bunghole valve Below-surface valve	see main valves: identical specification (replaceable, depending on main valve)
Valve rack	as a simple rack with encoding with cleaning	non-corrosive valve rack for 3 shuttle valves with a max. nozzle length of 1,200 mm non-corrosive valve rack for 3 shuttle valves with a max. nozzle length of 1,200 mm with filling monitoring non-corrosive valve rack for 3 shuttle valves with a max. nozzle length of 1,200 mm with laterally installed cleaning funnel for a shuttle valve with a nozzle length of 1,200 mm
Valve cleaning	CIP (cleaning in process) Cleaning of valves outside the system	Valve cleaning funnel integrated in system for valve cleaning during process, for nozzle length of max. 300 mm manual actuator to open the shuttle valve for cleaning
Base height adjustment	pneumatically supported	Extra option for standard base height adjustment
Overfill protection	optical	Overfill protection with optical sensor above bunghole
Inerting		Gassing of container interior with nitrogen or a different inert gas
Filling valve	heated	
Labeling	with variable data	applied manually or automatically
Closing system	Lid push-in Lid roll-in Clinching Screws Sealing caps	Pails Pails Canisters Canisters Canisters
Pump		Based on customer requirement mounting and integration of a pump for stationary or portable use, supplied with product hoses and desired couplings. Power supply 400 VA

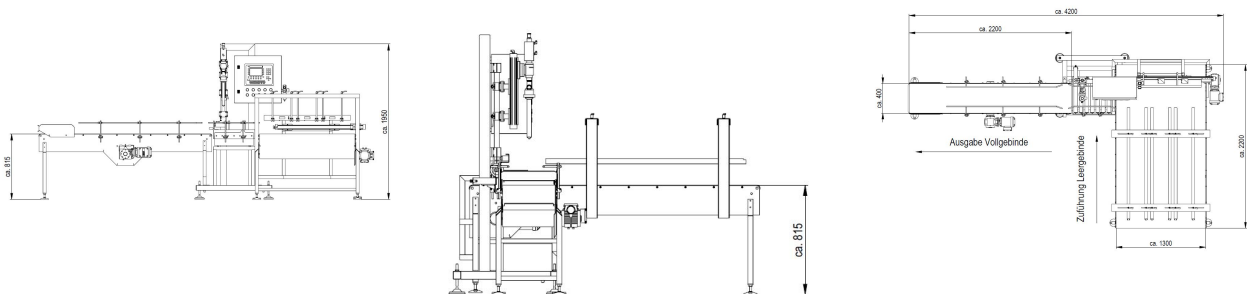
Pump control		Control of customer-provided pump via digital signals 24 V or analog 4-20 mA
Signal exchange with PPS		Signal exchange, digital potential-free, release/ready or Profibus/Profinet
Conveyor systems	driven	Canisters, pails
Roller conveyor	driven	IBC
Product hose suspension		Pivotable boom made of stainless steel with guide rail and rollers Strain relief with connecting bracket attached to guide rollers
Container balancer		Canisters and pails

Info graphics

Symbols



Dimensional drawings



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