

# Fact Sheet

## FSL-PRO S

# BIZERBA

*This semi-automatic, flexible all-round filling system ensures your product quality by to-the-gram weighing, safe packaging even of flammable, foaming or corrosive liquids and through gentle dosing. This compact unit is ideally suitable for minimal space.*



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

Specifications	Facts	Details
<b>Weighing terminal</b>	iS50 Industrial Weighing Terminal	Manual control possible
<b>EC type approval</b>	DE-15-MI006-PTB003	
<b>Valves</b>	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>
<b>Valve material</b>	1.4404/1.4571	
<b>Seal</b>	PTFE	
<b>Actuator</b>	Hood: Anod.alum.	
<b>Load receptors</b>	Platform scale	
	Single-range:	<p>15 kg, e= 5 g</p> <p>30 kg, e=10 g</p> <p>150 kg, e=50 g</p> <p>300 kg, e=100 g</p> <p>600 kg, e=200 g</p> <p>1,500 kg, e=500 g</p>
	Dual range:	<p>60/150 kg, e=20/50 g</p> <p>600/1500 kg, e=200/500 g</p>
	Dual division:	<p>6/12 kg, e=2/5 g</p> <p>15/30kg, e=5/10g</p> <p>60/150kg, e=20/50g</p>
	Pallet scale 840 x 600 mm	
Single-range:	600 kg, e=200 g	

		1,500 kg, e=500 g
	Low profile platform scale 1500 x 1250 mm 1 drive-on ramp	
	Single-range:	1,500 kg, e=500 g
	Dual range:	600/1,500 kg, e=200/500 g
<b>EX</b>	EX zone 2	ATEX II 3 G
	EX zone 1	ATEX II 2 G
<b>Filling process</b>	Above-surface Below-surface Below-bunghole	
<b>Container</b>	Canister Pail Drum IBC	
<b>Dosing</b>	2-stage	coarse and fine
<b>Base height adjustment</b>	manually: Crank	Canisters, pails
	pneumatic	Drum, IBC container
<b>Frame</b>	Stainless steel	1.4301
<b>Options</b>	<b>Facts</b>	<b>Details</b>
<b>Drop catcher</b>	mechanical	Drip scoop with product return to container incl. wiper ring
	pneumatic	pneumatically operated drop catcher with disposable drip scoop and position monitoring, internal pneumatics connection
<b>Aspiration hood</b>		Aspiration hood with viewing window and hose connection
<b>Quick change filling valve</b>	Above-surface valve	A = with nozzle DN25, L=300 mm, product connection G 1 1/4", used for canisters, drums B = with nozzle DN40, L=300 mm, product connection G 1 1/4", used for drums, containers D = without nozzle DN25, product connection G 1 1/4", used for pails E = without nozzle DN50, product connection G 2", used for pails, containers F = project valve
	Below-bunghole valve	A = with nozzle DN25, L=300 mm, product connection G 1 1/4", used for canisters, drums B = with nozzle DN40, L=300 mm, product connection G 1 1/4", used for drums, containers F = project valve
	Below-surface valve	A = with nozzle DN25, L=300 mm, product connection G 1 1/4", used for canisters, drums B = with nozzle DN40, L=300 mm, product connection G 1 1/4", used for drums, containers C = with nozzle DN40, L=1,200 mm, product connection G 2", used for drums, containers F = project valve
<b>Valve rack</b>	as a simple rack	non-corrosive valve rack for 3 shuttle valves with a max. nozzle length of 1,200 mm

	with encoding	non-corrosive valve rack for 3 shuttle valves with a max. nozzle length of 1,200 mm with filling monitoring
	with cleaning	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
<b>Valve cleaning</b>	CIP	Valve cleaning funnel integrated in system for valve cleaning during process, for nozzle length of max. 300 mm
	Cleaning of valves outside the system	manual actuator to open the shuttle valve for cleaning
<b>Height adjustment</b>	automatic/ electric	Extra option for standard base height adjustment
<b>Overfill protection</b>	optical	Overfill protection with sensor above bunghole
<b>Inerting</b>		Gassing of container interior with nitrogen or a different inert gas
<b>Filling valve</b>	heated	
<b>Grounding clamp</b>	without monitoring with monitoring	Monitoring of ground clamp change after container change
<b>Labeling</b>	with variable data	applied manually
<b>Closing system</b>	Lid push-in Lid roll-in Clinching Manual capping Sealing caps	Pails Pails Drums Canisters, drums Canisters
<b>Pump</b>		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
<b>Pump control</b>		Control of customer-provided pump via digital signals 24 V or analog 4-20 mA
<b>Signal exchange with PPS</b>		Signal exchange, digital potential-free, release/ready or Profibus/Profinet
<b>Roller conveyor</b>	non-powered	before, on top of and after the load receptor
<b>Product hose suspension</b>		Pivotable boom made of stainless steel with guide rail and rollers. Strain relief with connecting bracket attached to guide rollers
<b>Container balancer</b>		Canisters and pails
<b>Mobile chassis</b>	Castors on bottom of frame	Canisters and pails

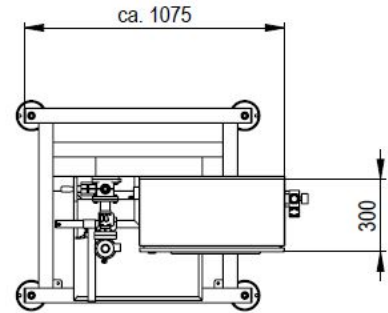
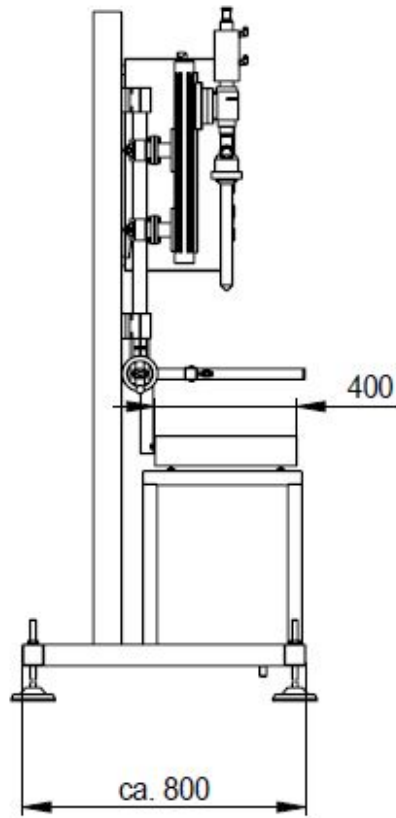
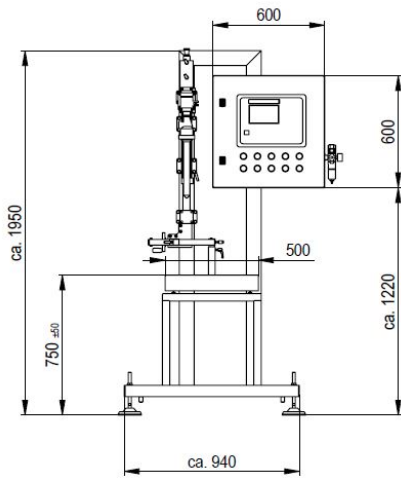
## Info graphics

### Symbols



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## Dimensional drawings



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