

Fact Sheet

FSL-PRO M

BIZERBA

The professional filling system for companies where to-the-gram weighing and safe packaging even of flammable, foaming or corrosive liquids as well as gentle dosing are of importance. This semi-automatic machine reliably fills your already palletized containers. With a multi-interval scale you also achieve exact weighing results for large measuring ranges.



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 1/4", used for canisters, drums</p> <p>B = with nozzle DN40, L=300 mm, product connection G 1 1/4", used for drums</p> <p>D = without nozzle DN25, product connection G 1 1/4", used for pails</p> <p>E = without nozzle DN50, product connection G 2", used for pails</p> <p>F = project valve</p>
	Below-bunghole valve	<p>A = with nozzle DN25, L=300 mm, product connection G 1 1/4", used for canisters, drums</p> <p>B = with nozzle DN40, L=300 mm, product connection G 1 1/4", used for drums</p> <p>F = project valve</p>
	Below-surface valve	<p>A = with nozzle DN25, L=300 mm, product connection G 1 1/4", used for canisters, drums</p> <p>B = with nozzle DN40, L=300 mm, product connection G 1 1/4", used for drums</p> <p>C = with nozzle DN40, L=1,200 mm, product connection G 2", used for drums</p> <p>F = project valve</p>
Valve material	1.4404/1.4571	
Seal	PTFE	
Actuator	Hood: Anod.alum.	
Load receptors	Platform scale 1500 x 1250 mm	
	Single-range:	600 kg, e=200 g 1,500 kg, e=500 g
	Dual division:	600/1,500 kg, e=200/500 g
	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:	600 kg, e=200 g 1,500 kg, e=500 g	
Dual division:	600/1,500 kg, e=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 Drum	
Dosing	2-stage	coarse and fine
Base height adjustment	manually: Crank pneumatic	Canisters, pails Drum
Frame	Stainless steel	1.4301

Options	Facts	Details
Drop catcher	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
Aspiration hood		Aspiration hood with viewing window and hose connection
Quick change filling valve	Above-surface valve	A = with nozzle DN25, L=300 mm, product connection G 1 ¼", used for canisters, drums B = with nozzle DN40, L=300 mm, product connection G 1 ¼", used for drums D = without nozzle DN25, product connection G 1 ¼", used for pails E = without nozzle DN50, product connection G 2", used for pails F = project valve
	Below-bunghole valve	A = with nozzle DN25, L=300 mm, product connection G 1 ¼", used for canisters, drums B = with nozzle DN40, L=300 mm, product connection G 1 ¼", used for drums F = project valve
	Below-surface valve	A = with nozzle DN25, L=300 mm, product connection G 1 ¼", used for canisters, drums B = with nozzle DN40, L=300 mm, product connection G 1 ¼", used for drums C = with nozzle DN40, L=1200 mm, product connection G 2", used for drums F = project valve
Valve rack	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

Valve cleaning	CIP 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
Height adjustment	automatic/ electric	Extra option for standard base height adjustment
Overfill protection	optical	Overfill protection with sensor above bunghole
Inerting		Gassing of container interior with nitrogen or a different inert gas
Filling valve	heated	
Grounding clamp	without monitoring with monitoring	Monitoring of ground clamp change after container change
Labeling	with variable data	applied manually
Closing system	Lid push-in Lid roll-in Clinching Manual capping Sealing caps	Pails Pails Drums Canisters, drums 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
Roller conveyor	non-powered	before, on top of and after the load receptor
Second scale	for parallel working Swivel arm extension for swivel range covering any bunghole position	Platform scale Pallet scale Low profile platform scale
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



Time savings



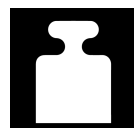
IP65 protection



Stainless steel



Modular design



Scale

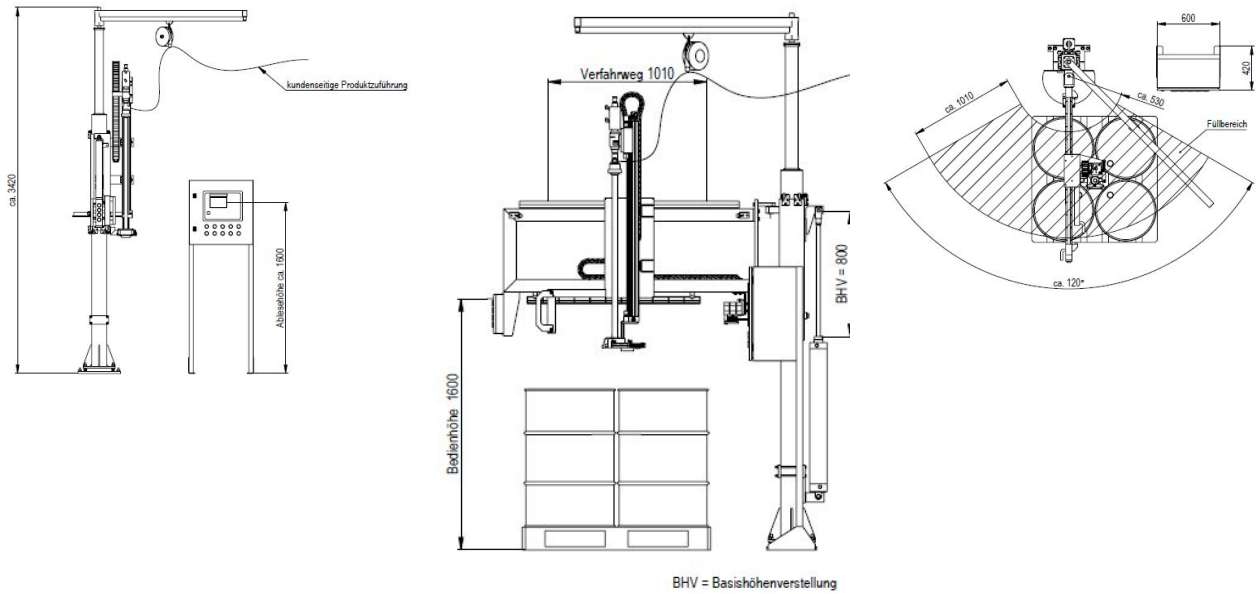


Ex zone 1



Ex zone 2

Dimensional drawings



Bizerba SE & Co. KG
Wilhelm-Kraut-Straße 65
72336 Balingen

T +49 7433 12-0
fax: +49 7433 12-2696
marketing@bizerba.com

www.bizerba.com