

Fact Sheet

FSL-PRO M



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
Terminal	iS50	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	
Operating unit	Hood: Anod.alum.	

Load receptor	Platform scale 1500 x 1250 mm	single range: 600 kg, e=200 g 1.500 kg, e=500 g dual interval: 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 interval: 600/1.500 kg, e=200/500 g
EX	EX zone 2 EX zone 1	ATEX II 3 G 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	Manual: Crank handle Pneumatic	canister, pail drum
Frame	Stainless steel	1.4301

Options	Facts	Details
Drop catcher	Mechanic	Drip scoop with product return to container incl. wiper ring
	Pneumatic	pneumatically operated drip collecting device with disposable tray and position monitoring, internal pneumatics connection
Aspiration hood	Aspiration hood with viewing window and hose connection	

Quick change filling valve	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</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</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</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</p> <p>C = with nozzle DN40, L=1200 mm, product connection G 2", used for drums</p> <p>F = project valve</p>
Valve rack	simple rack	non-corrosive valve rack for 3 shuttle valves with a max. nozzle length of 1,200 mm
	with coding	non-corrosive valve rack for 3 shuttle valves with a max. nozzle length of 1,200 mm with removal 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	Valve cleaning funnel for valve cleaning during the process (CIP) in the system for a nozzle length of 300 mm at a maximum
	Cleaning of valves outside the system	Manual operating unit 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
Inertisation		Gas container content with nitrogen or other 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	Clinching Capping Sealing caps	Drum Canister, drum Canister
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	
Dual scale	for parallel working Pivoting arm extension for pivoting range covering of possible bunghole positions	Platform scale Pallet scale Low profile platform scale
Product hose suspension	Pivotable gallows made of stainless steel with guide rail and rollers. Strain relief with connecting bracket attached to guide rollers	
Container balancer	Canisters and pails	

Infographic



FSL-PRO M FSL-PRO M drums with pallet scale

Symbols



Time saving



Protections class IP65



Stainless steel



Modular setup



Scale

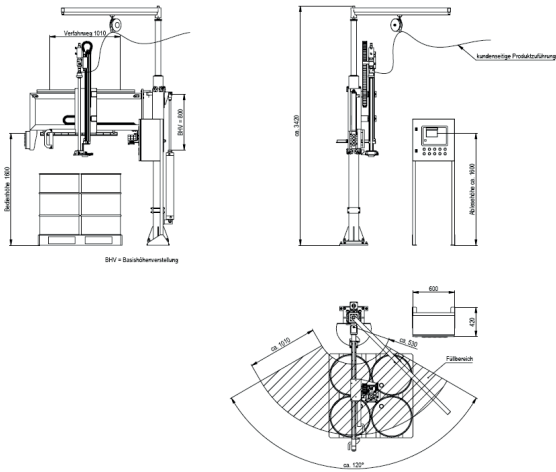


EX zone 1



EX zone 2

Dimensions



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