

SCP - MIXING BOWL UNLOADING MOBILE STATION

Vertical trolley designed for emptying mixing bowls with diameter up to Ø 700 mm.
The machine's work cycles are managed by an electro-pneumatic panel with a Siemens PLC.
The structure includes an adjustable bowl-pump centring system.
Piston pump fitted with a scraper plate shaped to the same geometry as the bottom of the bowl to ensure complete emptying.

√ Emptying of both viscous and liquid products.
√ Minimum residue left at the bottom (~1%).
√ Remote assistance.
√ Machine integrable with plant for data exchange.
√ Machine can be run by a single operator.

SIZES

Three available sizes:

With PA65AM pump for flow rates up to 24 l/min.
With PA80AM pump for flow rates up to 33 l/min.
With PA100AM pump for flow rates up to 52 l/min.

N.B.: Flow rates refer to products with a viscosity of 1.000 cP and are affected by the type of application. Contact CSF Inox for further details.

SCD - LARGE MIXING BOWL UNLOADING STATION

Structure designed for emptying mixing bowls with diameter exceeding Ø 700 mm.
The machine's work cycles are managed by an electro-pneumatic panel with a Siemens PLC.
Movement of the pump is controlled by two pneumatic cylinders to guarantee equal distribution of the thrust over the extended surface of the plate.
The structure includes an adjustable bowl-pump centring system.
Piston pump fitted with a scraper plate shaped to the same geometry as the bottom of the bowl to ensure complete emptying.

√ Emptying of both viscous and liquid products.
√ Minimum residue left at the bottom (~1%).
√ Remote assistance.
√ Machine integrable with plant for data exchange.
√ Machine can be run by a single operator.

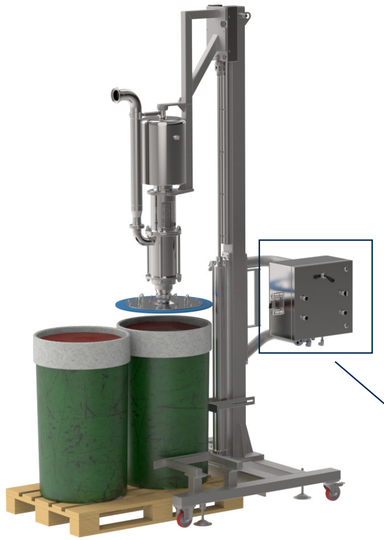
SIZES

Two available sizes:

With PA100AM pump for flow rates up to 52 l/min.
With PA140AM pump for flow rates up to 95 l/min.

N.B.: Flow rates refer to products with a viscosity of 1.000 cP and are affected by the type of application. Contact CSF Inox for further details.





√ Two-hand control device, in compliance with safety standards, for positioning the scraper plate inside the drum.
√ Manual valve for regulating the pump flow rate.



UNLOADING STATIONS WITH PNEUMATIC PANEL

Operating cycle steps functions manually managed on pneumatic control box.
Available models with pneumatic panel:

- **SC2.P** - Pneumatic mobile drum emptying station.
- **SCS.P** - Pneumatic mobile bucket emptying station.
- **SCP.P/SCE.P** - Pneumatic mobile bowl emptying station.
- **SCD.P** - Fixed bowl pneumatic emptying station.

√ Certificable Atex II 3G Ex h IIB T5...T3 Gc.
√ Emptying viscous products.
√ Minimum residue left at the bottom (~1%).
√ Operations managed autonomously by a single operator.

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CSF csfinoxGroup
FLOW TECHNOLOGY COMPONENTS

DRUM UNLOADING STATION



C.S.F. Inox S.p.a. offers a wide range of drum unloading stations for any production need. Versatile and flexible, this range features piston-type drum unloading machines available in various sizes and with varying equipment, made with top-quality electro-pneumatic components. The whole series is made with a fully AISI 304/EN 1.4301 stainless steel structure.
Thanks to the use of pneumatic piston pumps, CSF drum unloading machines can handle a multitude of products, from low viscosities to values over 200.000 cP.





Numerous pumpable food products: creams, sauces, tomato concentrate, fruit purées, chocolate, pastry creams and batters, jams, ragout, yoghurt, melted cheese and beverages, such as syrups, glucose, concentrates, juices.
Can also be used in the cosmetic sector to pump products such as solutions, beauty creams and shaving creams.



SL2 - DRUM UNLOADING MOBILE STATION FOR IMMERSED PUMP

Wheel-mounted pneumatic station suitable for emptying conical and cylindrical drums with diameter up to Ø 700 mm and height up to 1.000 mm.
Structure, designed for use with the long version piston pump, with the inlet immersed and no scraper plate. It is suitable for handling low viscosity liquids.
Complete with pneumatic control panel for quick and easy control of pump movement.

√ **Machine can be run by a single operator.**

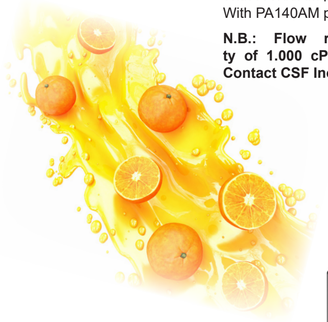
SIZES

Four available sizes:

With PA50AM pump for flow rates up to 10.6 l/min.
With PA65AM pump for flow rates up to 24 l/min.
With PA80AM pump for flow rates up to 33 l/min.
With PA100AM pump for flow rates up to 52 l/min.
With PA140AM pump for flow rates up to 100 l/min.

N.B.: Flow rates refer to products with a viscosity of 1.000 cP and are affected by the type of application. Contact CSF Inox for further details.





SL4 - DRUM UNLOADING STATION WITH TURNTABLE

Pneumatic station with turntable, suitable for emptying four drums a with diameter up to Ø 700 mm and height up to 1.000 mm.
Structure designed for use with the long version piston pump, with immersed inlet.
The turntable installed at the base of the structure, can rotate 4 drums so that they can be positioned under the pump in quick succession.
Complete with pneumatic control panel for quick and easy control of pump movement.

√ **Machine can be run by a single operator.**

SIZES

Two available sizes:

With PA100AM pump for flow rates up to 52 l/min.
With PA140AM pump for flow rates up to 95 l/min.

N.B.: Flow rates refer to products with a viscosity of 1.000 cP and are affected by the type of application. Contact CSF Inox for further details.

SC2 - DRUM UNLOADING MOBILE STATION WITH SCRAPER PLATE

Drum unloading station suitable for emptying conical and cylindrical drums with diameter up to Ø 700 mm and height up to 1.000 mm.
The machine's work cycles are managed by an electro-pneumatic panel with a Siemens PLC.
The pump is equipped with a scraper plate to guarantee complete emptying of the drum.
The structure includes an adjustable drum-pump centring system.

√ Emptying of both viscous and liquid products.
√ Minimum residue left at the bottom (~1%).
√ Remote assistance.
√ Machine integrable with plant for data exchange.
√ Machine can be run by a single operator.

N.B.: Drums don't need any fixing system.

SIZES

Four available sizes:

With PA65AM pump for flow rates up to 24 l/min.
With PA80AM pump for flow rates up to 33 l/min.
With PA100AM pump for flow rates up to 52 l/min.
With PA140AM pump for flow rates up to 100 l/min.

N.B.: Flow rates refer to products with a viscosity of 1.000 cP and are affected by the type of application. Contact CSF Inox for further details.



SCS - SMALL BUCKET UNLOADING MOBILE STATION

Wheel-mounted station suitable for handling small buckets.
The pump is equipped with a scraper plate to guarantee complete emptying of the bucket.
Ideal for high viscosity products such as chocolate, confectioner's creams, dairy products and jam.

√ Minimum residue left at the bottom (~1%).

The machine's work cycles are managed by an electro-pneumatic panel with PLC.

SIZES

Three available sizes:

With PA50AM pump for flow rates up to 10.6 l/min.
With PA65AM pump for flow rates up to 24 l/min.
With PA80AM pump for flow rates up to 33 l/min.

N.B.: Flow rates refer to products with a viscosity of 1.000 cP and are affected by the type of application. Contact CSF Inox for further details.

N.B.: Drums don't need any fixing system.





SC8 - DRUM UNLOADING STATION WITH DUAL-ARTICULATION ARM

Pneumatic station with dual-articulation arm suitable for conical and cylindrical drums up to Ø 700 mm and height up to 1.000 mm.
The machine's work cycles are managed by an electro-pneumatic panel with a Siemens PLC.
The pump is equipped with a scraper plate to guarantee optimal emptying of the drum. The presence of electro-pneumatic sensors guarantees the stop of the pump's stroke once the drum has been emptied and its return on top position.

It can empty groups of 4 - 8 drums positioned on pallets.

√ Emptying of both viscous and liquid products.
√ Minimum residue left at the bottom (~1%).
√ Remote assistance.
√ Machine integrable with plant for data exchange.
√ Machine can be run by a single operator.

N.B.: Drums don't need any fixing system.





SIZES

Three available sizes:

With PA100AM pump for flow rates up to 52 l/min.
With PA140AM pump for flow rates up to 100 l/min.

N.B.: Flow rates refer to products with a viscosity of 1.000 cP and are affected by the type of application. Contact CSF Inox for further details.

8 DRUM EMPTYING SET-UP



