

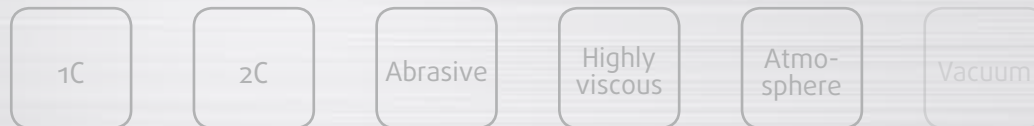


SCHEUGENPFLUG AG
METERING AND DISPENSING TECHNOLOGY

Material Preparation and Feeding 04 | 13

MATERIAL FEEDING UNIT

A90 C | A90 B | A90 T



ECONOMIC FEEDING OF
DISPENSING MATERIAL FOR
SMALL BATCH AND LIMITED
LOT PRODUCTION

Standard cartridges of different sizes
can be used

Outstanding performance for price

COMPACT WITH A SMALL
FOOTPRINT

PROMPT DELIVERY TIMES

MATERIAL FEEDING UNIT
A90 C | A90 B | A90 T

*A90 C and B work with standard
cartridges of different sizes*



Data sheets on request.



*Set-up example:
Material feeding unit A90 C
with piston dispenser
two component,
1 nozzle*

1C

2C

Abrasive

Highly
viscousAtmo-
sphere

Vakuum

MATERIAL FEEDING UNIT A90 C | A90 B | A90 T

Compact Material Feeding Unit for Easy Dispensing Tasks Under Ambient Air Conditions.

Using the material feeding unit A90 ensures the steady and uninterrupted feeding of dispensing material. To meet the different requirements possible in the dispensing process, there are three models available. Material is loaded from cartridges or from pressure tanks.

Used for | Materials:

- One and two component
- Low to highly viscous
- Non-abrasive to highly abrasive
- Non-filled to highly filled

Usage:

Easy dispensing tasks under ambient air conditions.

Equipment:

- Filling level monitoring with two alert levels

Optional:

The A90 can be integrated in a CNC cell (production cell) or operated stand-alone as manual work station Dos A90.



A90 C



A90 T



A90 B

Variants:

A90 C | Cartridges

Compressed air pushes the cartridge trigger and loads the dispensing material from the cartridge into the metering and dispensing system. At the same time, the piston of the pneumatic cylinder moves the cartridge outlet over the surface of the workpiece, which guarantees smooth discharging of the dispensing material. The operator gets notified when the material contained in the cartridge reaches a specified lower alert level and when it is empty.

A90 B | Cartridges with pressure booster

The booster increases the feeding pressure and accelerates the filling procedure of the metering and dispensing system. Ideal for highly viscous dispensing media.

A90 T | Pressure tank

Pressure is applied to the sealed tank to drive the dispensing material from the tank into the metering and dispensing system. Suitable for liquid to medium viscous dispensing media which are uncritical in processing.

Technical Data:

- Pressure tank volume: 6, 12, 24, 45 or 60 litres
- Compatible cartridges:
 - Semco 6 oz (170 ml), Semco 12 oz (340 ml),
 - Semco 20 oz (570 ml), Semco 32 oz (910 ml),
 - Euro Cartridges (310 ml)
- Power supply: 3~ 400 V, 50/60 Hz, CEE 16 A

Data sheets on request.

CONSISTENT MATERIAL QUALITY

Independent of the size of the production batch

Ultimate process reliability

MINIMAL MATERIAL WASTE

Using stored resins is possible without limitations thanks to degassing during the process

DEGASSING AND FEEDING UNIT A90 D



A90 D
Degassing
Stand-Alone



A90 D
Degassing
Backpack

Highest Requirements for the Manufactured Parts Need Absolutely Air-Free Dispensing Material.

Preventing air bubbles in the dispensing process increases production quality. Air bubbles trapped in the material during storage, transportation or filling by the manufacturer considerably increase the risk of faulty dispensing. Ideally, highly viscous dispensing materials must be bubble-free when they are extracted from the drum.

Optional:

Stand-Alone Degassing

In stand-alone operation, the degassing unit loads dispensing material from any sort of barrel, drum, tank, hose or cartridge. Then, the bubble-free material is fed into the metering and dispensing unit or filled in cartridges.

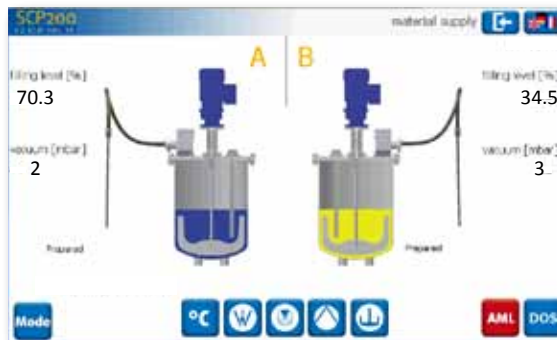
Backpack Degassing

When operated in backpack mode, the degassing unit is integrated in an A220 or A280 material preparation system. The vacuum barrel follower plate prevents air from being sucked in during feeding. The dispensing material is pumped from the hobcock, transported through the degassing unit and then processed further. This type of downstream degassing removes all residual air that was trapped in the material.

Air bubbles in the dispensing material adversely affect dispensing quality. They must be removed before the material is metered and dispensed. In a process commonly known as thin-film degassing air bubbles trapped in the material are removed using a piston pump and an applied vacuum.

CONTROL UNIT SCP200

Control Unit for Material Preparation and Feeding Units and for Manual Work Stations.



All material preparation and feeding systems as well as the manual work stations are equipped with the specially designed micro-computer controller SCP200. It monitors and controls all steps of the production process, from the docking of the follower plate, over the feeding of the dispensing material into the system, to the actual metering and dispensing itself. Operation is purely intuitive, i.e. a brief instruction of operators during the first equipment start-up is usually enough training. The SCP200 makes it easy to fulfil monitoring, maintenance and analysis tasks and thus helps the operator to perform all production processes quickly and flawlessly. All process relevant data are constantly displayed to the operator. If additional modules are added to the system, such as e.g. an agitator unit or a heater, the necessary interfaces are already included in the control unit. It is possible to switch between several languages during full operation.

The Benefits:

- Intuitive operation, plug&play
- Full-graphics display
- DIN ISO 9241 compliant 7" touch screen display
- Online language selection (DE, EN, FR, IT, NL, BG, PL, ES, CZ, HU, TR, SL, PT, RO, RU)
- USB interface
- Remote control
- Customisable user access rights

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