1C GEAR DISPENSING SYSTEM

monoflow gear drive

The monoflow gear drive dispenses 1C adhesives and sealants with volume flow control, directly from the drum.



Gear pump
Dispensing technology

20 l to 1,000 l
Containers

Manual or automated
Application

approx. 400 kg
Weight

TECHNICAL DATA

Output rate	depends on material viscosity, temperature, material batch, etc.
Power connection	3 × 400 V + N + PE / 3.8 kW
Compressed air requirement	6 bar, 600 l/min
Dimensions L×W×H	1150 × 1000 × 1800 mm
Containers	200 l drum, 20 l pail, 1,000 l IBC
Application	Manual or automated application of adhesives and sealants
Pneumatic control	

STANDARD EQUIPMENT

- Siemens S7-1500, Ethernet-capable for later integration into automated systems
- Touch panel Siemens TP700 Comfort
- Software interface prepared for controlling the automation (standard via PROFINET; other interfaces on request)
- Siemens servo motor
- Digital pressure sensors for monitoring the supply and working pressure
- Material shortage monitoring
- Overpressure protection
- Two-hand safety control
- Drum empty signal with pump shutdown
- 200 l reduced residue follower plate
- Shovel piston pump
- Gear pump
- 2.5 m water vapor diffusion-tight high-pressure hose
- Material valve
- Optimized 200 l drum change (recesses in base plate for pallet truck)

Equipment may vary depending on project requirements.

OPTIONAL EQUIPMENT

- Mobile system with wheels
- Swivel arm systems
- Longer hose packages
- Special paintwork
- Cartridge filling (1C)
- Tandem design for uninterrupted operation

Gear pump

A pneumatically driven shovel piston pump feeds the material from the drum to the servo-driven gear pump. It dispenses continuously with volume flow control and high accuracy.

Use

The system works manually at the workbench or integrated into semi- and fully automated processes. On request, it is also available as a compact, mobile version for 20 l pails.

Service

Spare and wear parts, maintenance and repair come directly from the manufacturer in Waldmohr, Germany.

Request quote

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Since 1998 mixing and metering technology · Developed and built in Germany

Details and quote online

Subject to technical changes.