



Anton Paar

::: Unique Density & Concentration Meters



PFD Piercing and Filling Device Plus

Anton Paar's reliable and safe solution for filling samples directly out of beverage packages such as PET bottles, glass bottles or cans into measuring instruments.

PFD Plus – Automatic Piercing and Filling

The PFD Piercing and Filling Device Plus allows you to fill your samples directly from cans, glass bottles or PET bottles. No sample preparation, such as degassing or filtering, is needed. The new and advanced PFD Piercing and Filling Device Plus is perfectly suitable for combination with single analytical instruments, for measurements out of long bottlenecks, and for combination with beverage analyzing systems, when the entire sample volume is needed in order to get reliable and repeatable measurement results.

Sampling device for packaged beverage analysis

A highly precise determination of dissolved CO₂ is essential for eliminating its influence on parameters such as density. Accurate measurements of dissolved CO₂, density, °Brix, and also alcohol, pH and even dissolved oxygen can be carried out simultaneously on a single sample by Anton Paar's Packaged Beverage Analyzers PBA-B (beer) or PBA-S/PBA-SI/PBA-SD (soft or diet drinks).

The PFD Filling Device transfers sample from the package using a compressed inert gas, which means that the amount of dissolved gas such as carbon dioxide and oxygen is not affected. No electricity is required.

New and improved version

- ▶ Removable safety shield for easier cleaning
- ▶ New removable splinter shield in the back for safe transfer of entire beverage sample
- ▶ Efficient draining of spilled sample
- ▶ No centering plate necessary, use of centering plates possible
- ▶ Surface layer of base plate consists of stainless steel
- ▶ Gas spring for safety shield for increased operator safety

Practical.
Functional.
Durable.



Technical specifications

Maximum allowed volume of packages to be measured - down to the bottom of the bottle

Cans	0.5 L
Glass bottles	1 L
PET bottles	3 L
Compressed gas	max. 6 bar ± 0.5 bar (87 psi ± 7 psi) relative pressure

Environmental conditions

Ambient temperature	+0 °C to +40 °C (+32 °F to +104 °F)
Air humidity	0 % to 100 % relative humidity

Dimensions

L x W x H	190 mm x 270 mm x 670 mm (7.5 inches x 10.6 inches x 26.4 inches)
Maximum height with piercing head in highest position	1020 mm (40.2 inches)

Weight	11.2 kg (24.7 lbs)
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Wetted parts	Hoses: polyurethane, nylon Sample tube: stainless steel O-rings: EPDM
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Your distributor: