



PFD / PFD Plus Piercing and Filling Device

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

PFD / PFD Plus – Automatic Piercing and Filling

The PFD Piercing and Filling devices enable you to fill your samples directly from cans, glass bottles or PET bottles of almost any size and shape.

As the sample container is pierced and pressurized at the same time, no loss of CO₂ is guaranteed, which makes PFD and PFD Plus the ideal filling devices for CO₂/O₂ meters and Packaged Beverage Analyzers.

With the advanced PFD Plus filling devices, it is possible to fill high sample volumes from narrow sample containers, such as longneck glass bottles. This guarantees reliable and repeatable measuring results.

Highlights

- Sample filling without affecting the content of dissolved CO₂ and O₂
- High operator safety standard due to protective shield
- Suitable for glass bottles, cans, and PET bottles of any size
- 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



TECHNICAL SPECIFICATIONS

Maximum package volume allowed	Can:	0.5 L
	Glass bottles:	1 L
	PET bottles:	3 L
COMPRESSED GAS		
Supply pressure	max. 6 ±0.5 bar (87 ±7 psi) relative pressure	
Quality of air necessary when used as compressed gas supply	Class 5 according to ISO 8573-1	
	max. particle size: 40 µm	
	max. pressure dew point: +7 °C (+44.6 °F)	
Quality of nitrogen necessary for O ₂ measurements	max. oil content: 25 mg/m ³	
	Purity: ≥99.999 %	
Ambient temperature	Operation: 0 °C to +40 °C (+32 °F to +104 °F)	
	Transportation/storage: -20 °C to +70 °C (-4 °F to +158 °F)	
Air humidity	0-100 % relative humidity (operation/transportation/storage)	
Dimensions (L x W x H)	190 mm x 270 mm x 670 mm (7.5 in x 10.6 in x 26.4 in)	
Maximum height (piercing head in upper position)	1020 mm (40.2 in)	
Weight	10.1 kg (22.3 lbs)	

Your distributor: