



Metering Systems

PGME's metering systems are made of orifice plate holder which orifice plate is a calibrated and pierced plate. Every joint is standard and only one wrench is necessary to open the system: all the screws are similar. This design contributes to reduce maintenance costs.

PGME designs and manufactures two types of orifice plate holders:

- PO100 – Single chamber orifice plate holder – The device needs to be flushed out for maintenance.
- PO200 – Dual chamber orifice plate holder – Maintenance can be operated under pressure.

Both models PO100 and PO200 from 2" to 24" are approved in France and Algeria as transactional counting instruments.

Our metering systems are in compliance with the ISO 5167 certification.

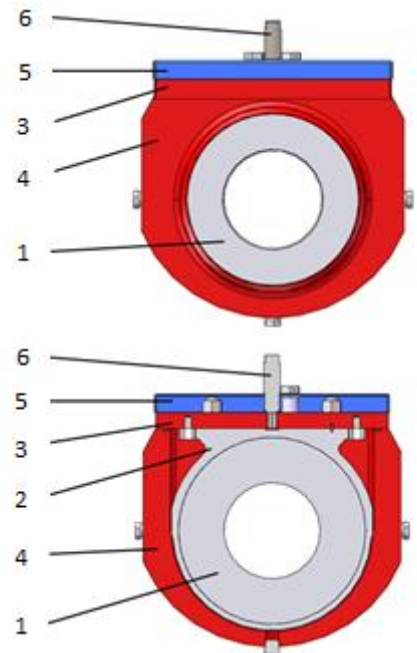
Every dimensional examination is operated by PGME and leads to an inspection report (metering system and orifice plate).

Orifice Plate Holder PO100



PO100 orifice plate holder is designed for flushable devices, as the system needs to be opened for maintenance.

The orifice plate (1) is placed on a support (2) screwed on the cover (3). This cover is fixed on the body (4) with 2 nuts. Finally, a safety casing (5) is tied to the cover by 3 screws including a security screw (6) that cannot be removed when the device is under pressure. This casing forbids nuts loosening and so cover opening under pressure.



SPECIFICATIONS	
Dimension range	2" - 40" (DN50-DN1000)
Pressure Ratings	Class 150 – Class 1500 (PN20 – PN250)
Type of fluid	Gas
Product Design Code	CODAP - ASME
Material	SA 350 LF2 – P355QH – P420QH – A694 F52/F65/... (Inox orifice plate)
Surface Coating	Painting
Connection	Butt-welded or flange-mounted (RF/RTJ)
Options	Primitive Inspection Release Monel Orifice Plate Flow Straightener



Non-contractual presentation

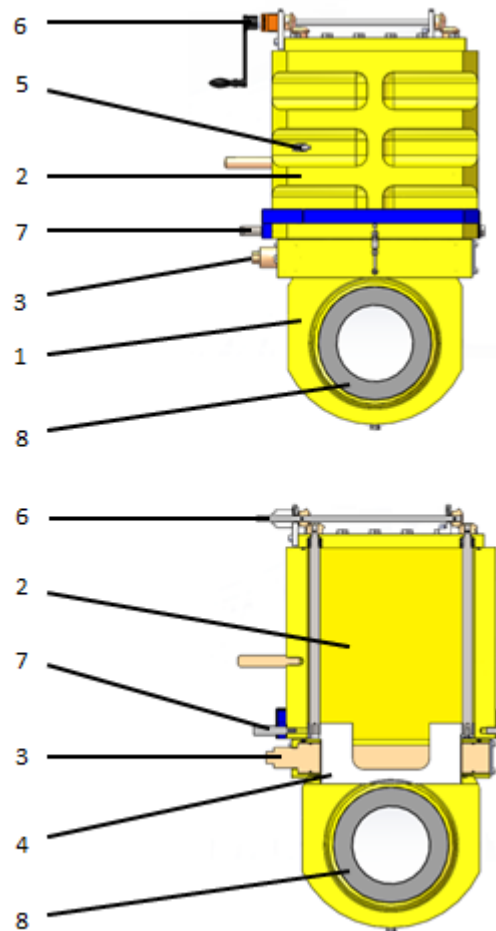


Orifice Plate Holder PO200



Orifice plate holder PO200 is designed for devices that cannot be flushed out for maintenance. Thanks to an innovative system, developed by PGME, the orifice plate can safely be removed while the fluid keeps circulating in the device.

The orifice plate holder is composed of 2 chambers (1-2) separated by a valve (3). To remove the orifice plate, the clamp pad (4) is wound up with the handle (6) to the upper chamber (2). Then the valve is closed in order to insulate the upper chamber. And the plug valve (5) is opened to flush out the chamber. The **security screw** (7) can now be unscrewed (it cannot be dismantled when the device is under pressure) and the upper chamber can be swiveled round (2) the clamp pad (4) is wound down to reach the orifice plate (8).



SPECIFICATIONS	
Dimension range	2'' - 40'' (DN50-DN1000)
Pressure ratings	Class 150 – Class 1500 (PN20 – PN250)
Type of fluid	Gas or Liquid
Product Design Code	CODAP – ASME – Eléments Finis
Material	SA 350 LF2 – P355QH – P420QH – A694 F52/F65/... (Inox orifice plate)
Surface Coating	Painting
Connection	Butt-welded or by flange RF/RTJ
Options	Primitive Inspection Release Monel Orifice Plate Flow Straightener

