

Single command floating plunger tap PX1 Datasheet



General information

Technical description

PX1 electric valves are equipped with a floating plunger, designed to provide a higher flow rate without generating turbulence and consequently foam compared to traditional EV models.

All components in contact with the beverage are made of stainless steel, ensuring hygiene and cleanliness in line with industry standards. Customizable inlet and outlet fittings are available.

Available with two orifice sizes to suit different needs: Ø7 mm ensures large flow sections and reduces foam formation, Ø4.5 mm allows operation at higher pressures.

Environment and operating conditions

Working fluid *Wine, beer and water*

Maximum inlet temperature
80°C during sanification

Maximum inlet pressure (Ø orifice)
5bar (4.5mm) or 2.5bar (7mm)

Voltage usage *24V*

Maximum absorbed power *35W*

Nominal coil resistance *17Ω*

IP protection rating *20*

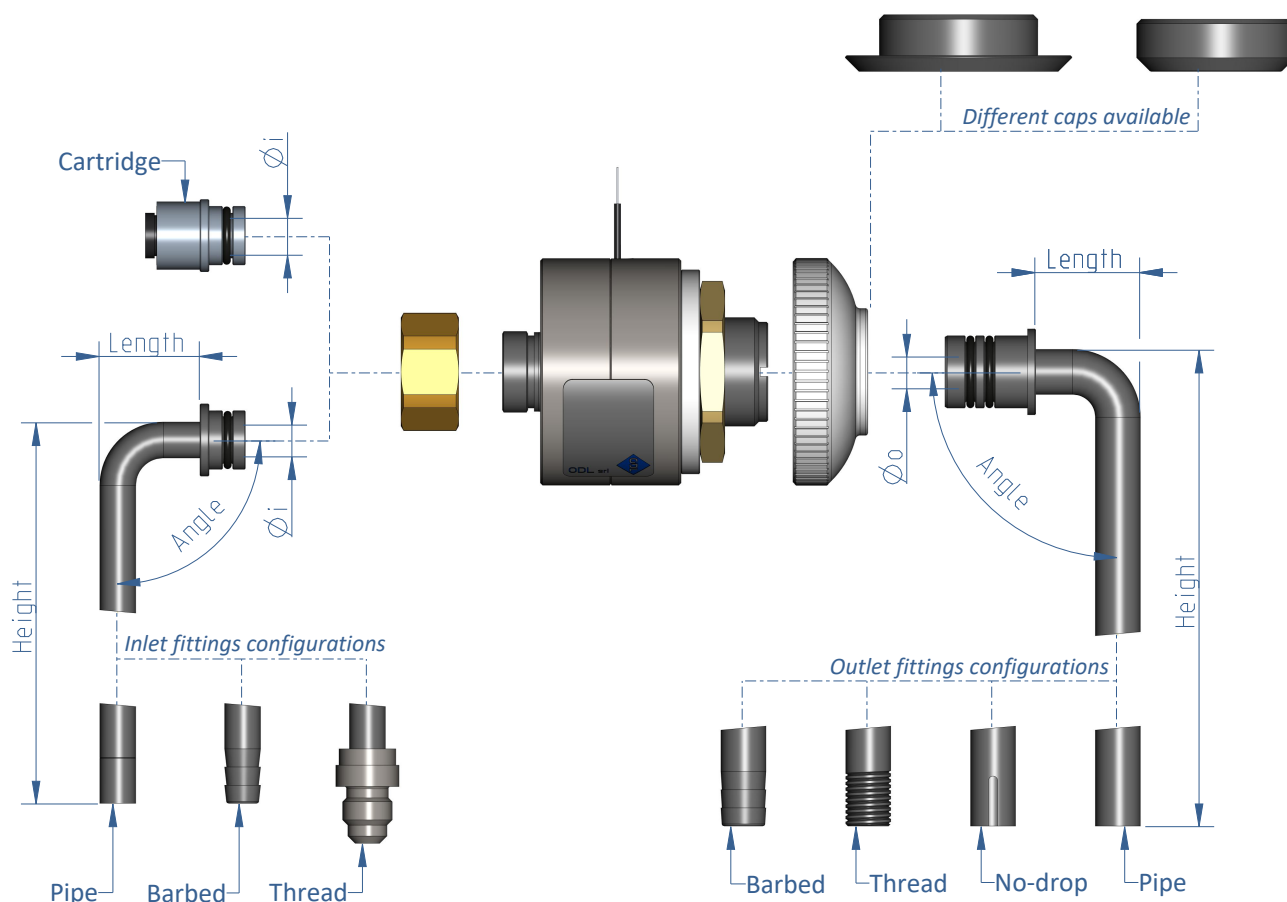


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Dimensions, components and connections

Table below collect all the data of this product family, for any informations about tolerances contact ODL.



Fittings dimensions

Inlet flow section "Øi"	7mm
Outlet flow section "Øo"	4.5mm or 7mm
Height	Many heights are available starting from 33mm up to 150mm.
Length	Many lengths are available starting from 10mm up to 180mm.
Angle	Angles available are 90°, 105°, 112°, 120°, 135°, 180°.
Notes	Not all the combinations between heigh, length and angle are available, ask ODL for informations.

Inlet fitting configurations

Cartridges	Ø5/16"
Pipe	Ø10mm and Ø12mm for push-in fitting
Barbed	Ø5mm, Ø6mm, Ø7mm, Ø10mm and Ø12mm
Thread	7/16"-20UNF

Outlet fittings configurations

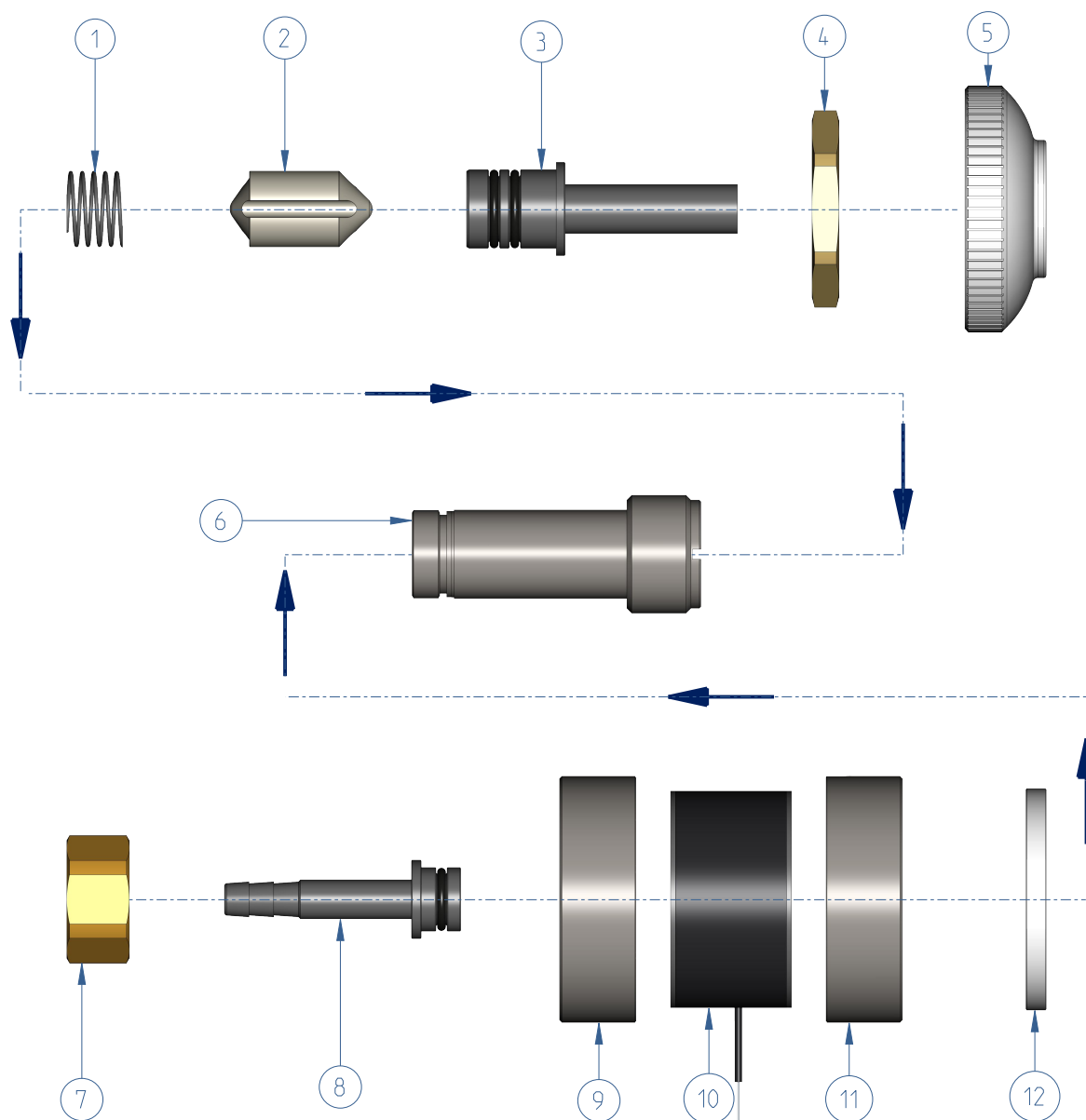
Barbed	Ø10mm
Thread	M10
No drop	Groove to avoid the formation of drops at the end of the dispensing, possible on all pipe diameters.
Pipe	Ø10mm and Ø12mm

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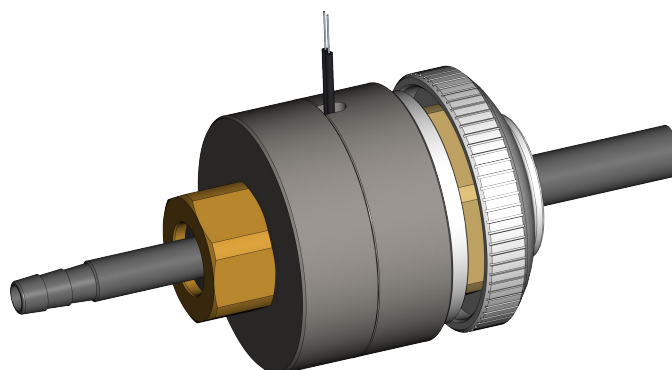


Spare parts

All spare parts available are reported in the table, for other contact ODL; in addition all the ORings are available as spare parts.



ID	Description	Q.ty	SP
1	Spring	1	X
2	Plunger	1	X
3	Outlet fitting assembly	1	
4	Inner ring	1	
5	Outer ring	1	
6	Armature pipe assembly	1	
7	Regulation spring	1	
8	Inlet fitting assembly	1	
9	Big coil cover	1	
10	Big coil	1	X
11	Big coil cover with groove	1	
12	Washer	1	



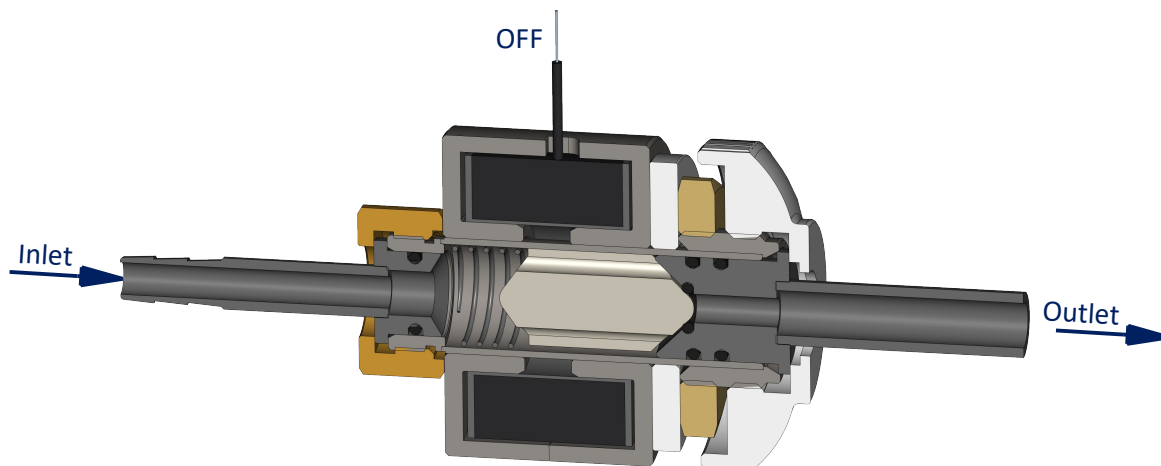
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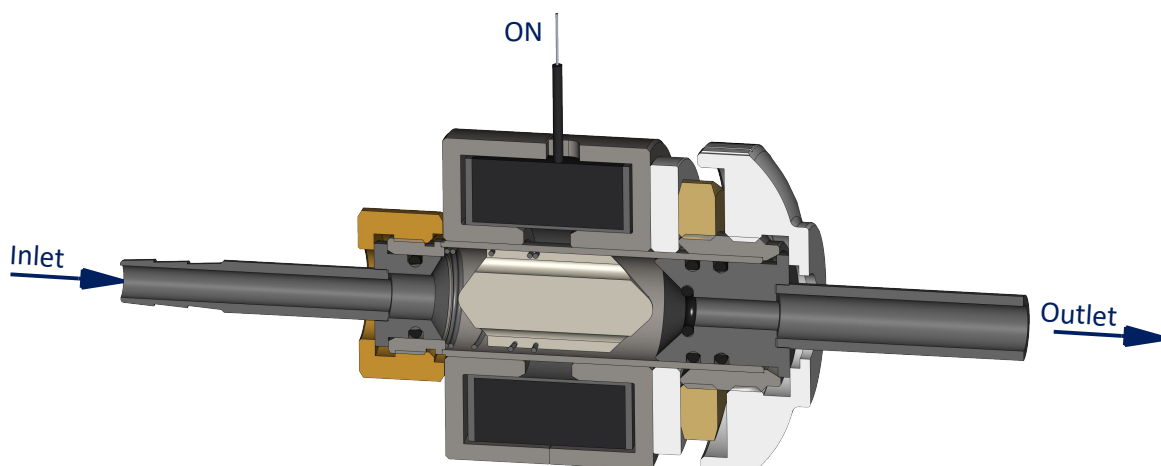
Single control functioning scheme

The following images illustrate how to operate the control system; the valve should be considered a normally closed solenoid valve.

PX1 Close



PX1 Open



Indication for external cleaning and sanitization

The information provided below is for guidance only. For complete details, please consult the product's Warnings and Instructions Manual. Use only a clean, damp cloth and water for cleaning the exterior of the product. Do not use any other cleaning agents or chemicals. This tap is delivered clean and has undergone industrial washing procedures, it is crucial to clean and sanitize it after installation and before its first use with food or beverages. For internal sanitization, ODL recommends verifying the chemical compatibility of the chosen sanitizing fluid with the materials present in the carbonator. For guidance on the maximum temperatures and pressures to be used during sanitization, please contact ODL.

Food standards and certifications

This family of carbonators is compliant with these community and Italian legislation and their subsequent updates and changes and other international standards:

- Regulation (EC) No. 1935/2004,
- Regulation (EC) No. 2023/2006,
- EU Regulation 10/2011,
- D. M. 21/03/1973,
- Presidential Decree 777/82;
- Directive 2014/68/EU;
- SK.