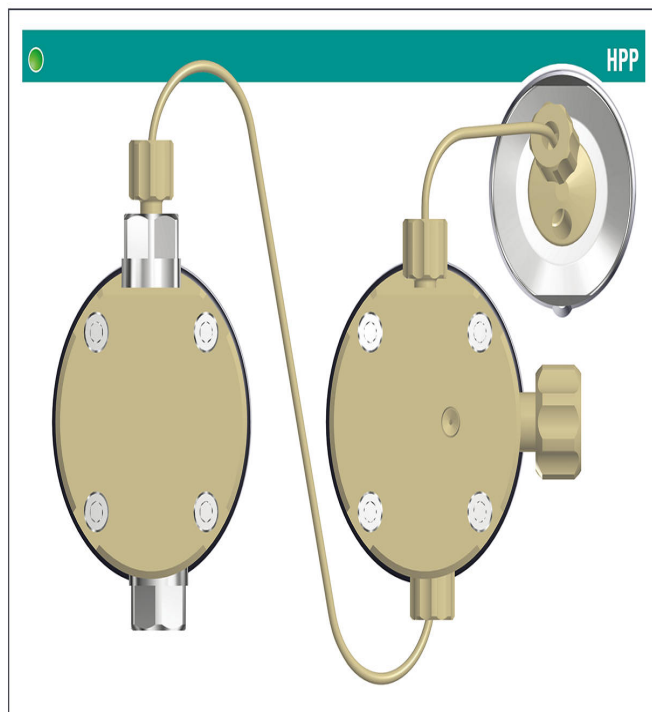




OMNIS High-Pressure Pump Unit

2.1056.0210

The OMNIS IC High-Pressure Pump Unit is an advanced, chemically resistant high-pressure pump specifically designed for ion chromatography.

It features pulsation-controlled delivery of eluents, whereby the delivery volume is automatically compensated, eliminating the need for additional pulsation dampers. The stroke is dynamically optimized according to the operating conditions, ensuring optimal performance. Two synchronized individual drives enable precise control and consistent flow rates. The piston is connected to the drive rather than the pump head, which enhances stability and simplifies maintenance. The flow path is free of metal and chemically inert, guaranteeing maximum compatibility with aggressive media. Additionally, the pump is resistant to substances across a wide pH range from 0 to 14, making it suitable for a broad spectrum of applications.

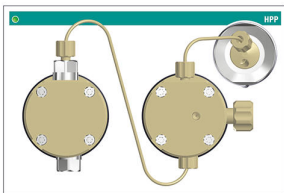
The OMNIS IC High-Pressure Pump Unit can optionally be equipped with a piston seal wash to prevent crystallization and minimize maintenance. The OMNIS High-Pressure Pump Unit includes a manual purge valve. If a 7/3 injector is installed in the OMNIS IC system, then the purging process can be fully automated.

Specifications:

– Pressure range: 0–42 MPa

- Flow range: 0.0001–10.000 mL/min
- Flow accuracy: 0.1 %
- Flow reproducibility: 0.1 %
- Pulsation: 0.1 %
- Pump head material: PEEK

Phạm vi giao hàng 2.1056.0210

Order Number	Description	Quantity
1.1056.0210	OMNIS High-Pressure Pump Unit The OMNIS IC High-Pressure Pump Unit is an advanced, chemically resistant high-pressure pump specifically designed for ion chromatography. It features pulsation-controlled delivery of eluents, whereby the delivery volume is automatically compensated, eliminating the need for additional pulsation dampers. The stroke is dynamically optimized according to the operating conditions, ensuring optimal performance. Two synchronized individual drives enable precise control and consistent flow rates. The piston is connected to the drive rather than the pump head, which enhances stability and simplifies maintenance. The flow path is free of metal and chemically inert, guaranteeing maximum compatibility with aggressive media. Additionally, the pump is resistant to substances across a wide pH range from 0 to 14, making it suitable for a broad spectrum of applications. The OMNIS IC High-Pressure Pump Unit can optionally be equipped with a piston seal wash to prevent crystallization and minimize maintenance. The OMNIS High-Pressure Pump Unit includes a manual purge valve. If a 7/3 injector is installed in the OMNIS IC system, then the purging process can be fully automated.	1 PCS
		
6.01831.110	PEEK capillary HPP – INJ, 160/0.5 mm Pre-cut PEEK capillary with identification label for OMNIS IC	1 PCS
		

Phụ kiện tùy chọn

6.2739.000

Wrench

For tightening connectors



6.2821.120

Inline filter 2 µm

Inline filter 2 µm



6.02621.010

Multitool, HPP

Multi-function tool for performing maintenance on the OMNIS High-Pressure Pump Unit.



6.02741.000

Piston seal, PE, orange

Piston seal for OMNIS IC High-Pressure Pump Unit.



6.02741.030

Maintenance set, piston wash seal, 2 pcs

Maintenance set for piston seal wash of the OMNIS IC High-Pressure Pump Unit.



6.02824.000

Pump piston, ZrO₂, 3.8 mm

Pump piston for OMNIS IC High Pressure Pump.



6.02824.010

Check valve inlet, PEEK

Metal-free check valve for the outlet side of the OMNIS IC High Pressure Pump Unit.



6.02824.020

Check valve outlet, PEEK

Metal-free check valve for the outlet side of the OMNIS High-Pressure Pump Unit.



6.05332.020

OMNIS IC equip.: HPP piston seal wash, DD



Accessory set for HPP piston seal wash: The HPP piston seal wash for the OMNIS IC HPP is standard foreseen with a free port on a dosing system on the OMNIS Cylinder Unit. After each sample analysis, the piston is rinsed with a small portion of UPW.

When no free Cylinder Unit channel is available, the UPW can alternatively be transferred via a peristaltic pump channel equipped with 601826010 peristaltic pump tubing.

Prerequisites:

OMNIS IC S/M/L, including:

- available OMNIS Cylinder Unit port (with UPW as working medium) or
- available OMNIS Peristaltic Pump Unit channel

6.05801.010

Piston wash kit



Upgrade kit to extend the OMNIS High-Pressure Pump Unit with piston wash. Piston wash seals are included.

Prerequisites:

- 2.1056.0210 OMNIS High-Pressure Pump Unit
- 6.02621.010 Multitool, HPP