Product Data Sheet

Isolation Technologies™ IsoBar

UHPLC Column Hardware

Ultra-High Performance Liquid Chromatography (UHPLC) decreases the time and costs associated with analytical separations. But to consistently maintain these technology advantages, you need column hardware that ensures the speed and precision of your processes. The IsoBar column platform delivers a leak-proof, reliable all-metal design with high-strength threaded-end fittings to meet critical system operating requirements.

Column Efficiency

Few column hardware formats are more aptly suited for the rigors of ultra-high pressure operations than IsoBar. IsoBar features a unique IsoBore™ internal surface finish. This extremely smooth, flat, and ultra-clean finish reduces the wall effect and significantly improves column efficiency.

Optimum Performance

IsoBar columns offers the stability, high pressure, and high reliability critical to the optimum performance of UHPLC systems.

Features

- UHPLC Compatible
- Proven format for < 2 µm stationary phases
- Inner diameter (mm): 2.1, 3.0, and 4.6
- Length (cm): 2.0, 3.0, 5.0, 10.0, and 15.0
- Port geometry: Waters® or Parker®
- Frit porosity: 0.5 µm, 1.0 µm, 2.0 µm

Ordering Information

IsoBar 4.6 mm Column Hardware / Maximum Operating Pressure - 20,000 psi

Part Number	Description
5030IP-05046-002-05	ISOBAR COLUMN SYSTEM, 4.6mm X 2cm, 0.5um, PARKER
5030IP-05046-0025-05	ISOBAR COLUMN SYSTEM, 4.6mm X 2.5cm, 0.5um, PARKER
5030IP-05046-003-05	ISOBAR COLUMN SYSTEM, 4.6mm X 3cm, 0.5um, PARKER
5030IP-05046-005-05	ISOBAR COLUMN SYSTEM, 4.6mm X 5cm, 0.5um, PARKER
5030IP-05046-010-05	ISOBAR COLUMN SYSTEM, 4.6mm X 10cm, 0.5um, PARKER
5030IP-05046-015-05	ISOBAR COLUMN SYSTEM, 4.6mm X 15cm, 0.5um, PARKER
5030IP-05046-025-05	ISOBAR COLUMN SYSTEM, 4.6mm X 25cm, 0.5um, PARKER
2009-05046-002EP	COLUMN TUBE, ISOBAR, 4.6mm X 2cm
2009-05046-0025EP	COLUMN TUBE, ISOBAR, 4.6mm X 2.5cm
2009 05046 003EP	COLUMN TUBE, ISOBAR, 4.6mm X 3cm
2009-05046-005EP	COLUMN TUBE, ISOBAR, 4.6mm X 2cm
2009-05046-010EP	COLUMN TUBE, ISOBAR, 4.6mm X 2cm
2009-05046-015EP	COLUMN TUBE, ISOBAR, 4.6mm X 2cm
2009-05046-025EP	COLUMN TUBE, ISOBAR, 4.6mm X 2cm
907946-P-05	ASSEMBLY FRIT RETAINER, 4.6mm TAPERED, 0.5um
907946-P-10	ASSEMBLY FRIT RETAINER, 4.6mm TAPERED, 1.0um
907946-P-20	ASSEMBLY FRIT RETAINER, 4.6mm TAPERED, 2.0um
9096	END FITTING, ISOBAR 5/16 INCH

IsoBar 2.1 mm Column Hardware / Maximum Operating Pressure - 20,000 psi

Part Number	Description
5030IP-04021-002-05	ISOBAR COLUMN SYSTEM, 2.1mm X 2cm, 0.5um, PARKER
5030IP-04021-003-05	ISOBAR COLUMN SYSTEM, 2.1mm X 3cm, 0.5um, PARKER
5030IP-04021-005-05	ISOBAR COLUMN SYSTEM, 2.1mm X 5cm, 0.5um, PARKER
5030IP-04021-010-05	ISOBAR COLUMN SYSTEM, 2.1mm X 10cm, 0.5um, PARKER
5030IP-04021-015-05	ISOBAR COLUMN SYSTEM, 2.1mm X 15cm, 0.5um, PARKER
5030IP-04021-025-05	ISOBAR COLUMN SYSTEM, 2.1mm X 25cm, 0.5um, PARKER
2009-04021-002EP	COLUMN TUBE, ISOBAR, 2.1mm X 2cm
2009-04021-003EP	COLUMN TUBE, ISOBAR, 2.1mm X 3cm
2009-04021-005EP	COLUMN TUBE, ISOBAR, 2.1mm X 5cm
2009 04021 010EP	COLUMN TUBE ISOBAR 2.1mm X 10cm
2009-04021-015EP	COLUMN TUBE, ISOBAR, 2.1mm X 15cm
2009-04021-025EP	COLUMN TUBE, ISOBAR, 2.1mm X 25cm
907921-P-05	ASSEMBLY FRIT RETAINER, 2.1mm TAPERED, 0.5um
907921-P-10	ASSEMBLY FRIT RETAINER, 2.1mm TAPERED, 1.0um
907921-P-20	ASSEMBLY FRIT RETAINER, 2.1mm TAPERED, 2.0um
9097	END FITTING, ISOBAR 1/4 INCH

IsoBar 3.0 mm Column Hardware / Maximum Operating Pressure - 20,000 psi

Part Number	Description
5030IP-05030-002-05	ISOBAR COLUMN SYSTEM, 3.0mm X 2cm, 0.5um, PARKER
5030IP-05030-0025-05	ISOBAR COLUMN SYSTEM, 3.0mm X 2.5cm, 0.5um, PARKER
5030IP 05030 003 05	ISOBAR COLUMN SYSTEM 3 0mm X 3cm 0.5um PARKER
5030IP-05030-005-05	ISOBAR COLUMN SYSTEM, 3.0mm X 5cm, 0.5um, PARKER
5030IP-05030-010-05	ISOBAR COLUMN SYSTEM, 3.0mm X 10cm, 0.5um, PARKER
5030IP-05030-015-05	ISOBAR COLUMN SYSTEM, 3.0mm X 15cm, 0.5um, PARKER
5030IP-05030-025-05	ISOBAR COLUMN SYSTEM, 3.0mm X 25cm, 0.5um, PARKER
2009-05030-002EP	COLUMN TUBE, ISOBAR, 3.0mm X 2cm
2009-05030-0025EP	COLUMN TUBE, ISOBAR, 3.0mm X 2.5cm
2009-05030-003EP	COLUMN TUBE, ISOBAR, 3.0mm X 3cm
2009-05030-005EP	COLUMN TUBE, ISOBAR, 3.0mm X 2cm
2009-05030-010EP	COLUMN TUBE, ISOBAR, 3.0mm X 2cm
2009-05030-015EP	COLUMN TUBE, ISOBAR, 3.0mm X 2cm
2009-05030-025EP	COLUMN TUBE, ISOBAR, 3.0mm X 2cm
907930-P-05	ASSEMBLY FRIT RETAINER, 3.0mm TAPERED, 0.5um
907930-P-10	ASSEMBLY FRIT RETAINER, 3.0mm TAPERED 1.0um
907930-P-20	ASSEMBLY FRIT RETAINER, 3.0mm TAPERED, 2.0um
9096	END FITTING, ISOBAR 5/16 INCH

Packing Adapter Ordering Information

Part Number	Description
3160-05-46	ASSEMBLY PACKING ADAPTER ISOBAR 4.6mm
3160-00	SEAL ISOBAR PACKING SYSTEM 4.6mm
3160-05-30	ASSEMBLY PACKING ADAPTER ISOBAR 3mm
3160-004	SEAL ISOBAR PACKING SYSTEM 3mm
3160 04 21	ASSEMBLY PACKING ADAPTER ISOBAR 2.1 mm
3160-007	SEAL ISOBAR PACKING SYSTEM 2.1mm

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