

Capillary GC Columns and Guard Columns/Retention Gaps

Columns by Phase Polarity: *Non-Polar*

Petrocol® DH Capillary GC Column

Application: This highly reproducible column has considerable theoretical plate numbers and is designed for detailed analyses of petroleum products for PIANO, PONA, and PNA-type analytes. Includes an extensive retention index data sheet of 400+ analytes.

USP Code: This column meets USP G1, G2, and G9 requirements.

Phase:

- Bonded
- Poly(dimethyl siloxane)

Temp. Limits:

- -60 °C to 320 °C (isothermal or programmed)

I.D. (mm)	d _f (μm)	Length (m)	Beta Value	Cat. No.	Qty
0.25	0.50	100	125	24160-U	1 ea

Petrocol® DH 150 Capillary GC Column

Application: The longest capillary column commercially available as a stock item. For detailed purity analyses of light hydrocarbon gases and petroleum products (oxygenates, solvents, naphthas, gasolines, etc.).

USP Code: This column meets USP G1, G2, and G9 requirements.

Phase:

- Bonded
- Poly(dimethyl siloxane)

Temp. Limits:

- -60 °C to 320 °C (isothermal or programmed)

I.D. (mm)	d _f (μm)	Length (m)	Beta Value	Cat. No.	Qty
0.25	1.00	150	63	24155	1 ea

Petrocol® 2887 Capillary GC Column

Application: This column is designed for ASTM D2887 (simulated distillation [Sim Dis] of petroleum fractions) for samples having boiling points up to 1000 °F.

USP Code: This column meets G1, G2, and G9 requirements.

Phase:

- Bonded
- Poly(dimethyl siloxane)

Temp. Limits:

- Subambient to 350 °C (isothermal or programmed)

I.D. (mm)	d _f (μm)	Length (m)	Beta Value	Cat. No.	Qty
0.53	0.50	5	265	25323	1 ea

Petrocol® EX2887 Capillary GC Column

Application: This column is designed for ASTM D2887 (simulated distillation [Sim Dis] of petroleum fractions) for samples having boiling points greater than 1000 °F.

USP Code: This column meets G1, G2, and G9 requirements.

Phase:

- Bonded
- Poly(dimethyl siloxane)

Temp. Limits:

- Subambient to 380 °C (isothermal or programmed)

I.D. (mm)	d _f (μm)	Length (m)	Beta Value	Cat. No.	Qty
0.53	0.10	5	1325	25337	1 ea

SPB®-1 SULFUR Capillary GC Column

Application: A specialized version of the SPB-1, this column was developed for analyses of sulfur gases and other volatile sulfur compounds. The column displays relatively low column bleed, which makes it compatible for use with sulfur-specific detectors.

USP Code: This column meets USP G1, G2, and G9 requirements.

Phase:

- Bonded
- Poly(dimethyl siloxane)

Temp. Limits:

- -60 °C to 300 °C (isothermal or programmed)

I.D. (mm)	d _f (μm)	Length (m)	Beta Value	Cat. No.	Qty
0.32	4.00	30	20	24158	1 ea

Equity®-1 Capillary GC Column

Application: This column is designed for general purpose applications where a non-polar column is required. Analytes will be separated primarily according to boiling point.

USP Code: This column meets USP G1, G2, and G9 requirements.

Phase:

- Bonded
- Poly(dimethyl siloxane)

Temp. Limits:

- ≤0.32 mm I.D., <2 μm: -60 °C to 325 °C (isothermal) or 350 °C (programmed)
- ≤0.32 mm I.D., ≥2 μm: -60 °C to 300 °C (isothermal or programmed)
- ≥0.53 mm I.D., <2 μm: -60 °C to 300 °C (isothermal) or 320 °C (programmed)
- ≥0.53 mm I.D., ≥2 μm: -60 °C to 260 °C (isothermal) or 280 °C (programmed)

I.D. (mm)	d _f (μm)	Length (m)	Beta Value	Cat. No.	Qty
0.10	0.10	15	250	28039-U	1 ea
0.20	0.33	12	152	28041-U	1 ea
	1.20	10	42	28043-U	1 ea
0.25	0.10	30	625	28044-U	1 ea
	0.25	15	250	28045-U	1 ea
	0.25	30	250	28046-U	1 ea
	0.25	60	250	28047-U	1 ea
	1.00	15	63	28048-U	1 ea
	1.00	30	63	28049-U	1 ea
0.32	1.00	60	63	28050-U	1 ea
	1.00	100	63	28052-U	1 ea
	0.10	30	800	28053-U	1 ea
	0.25	15	320	28054-U	1 ea
	0.25	30	320	28055-U	1 ea
	0.25	60	320	28056-U	1 ea
	1.00	30	80	28057-U	1 ea
	1.00	60	80	28058-U	1 ea
	1.00	100	80	28060-U	1 ea
	2.00	30	40	28061-U	1 ea
5.00	30	16	28062-U	1 ea	
	60	16	28063-U	1 ea	