

Rtx®-1301 (G43) Columns (fused silica)

(low to midpolarity phase; Crossbond® 6% cyanopropylphenyl/94% dimethyl polysiloxane)

- General purpose columns for residual solvents, alcohols, oxygenates, and volatile organic compounds.
- Temperature range: -20 °C to 280 °C.
- Equivalent to USP G43 phase.

Many analysts feel the Rtx®-1301 column has the best cyanosiloxane bonded stationary phase available, with no other column manufacturer providing lower bleed, longer life-time, or better inertness. Our polymer is fully characterized to ensure long-term reproducibility, column-to-column consistency, and low bleed—even with sensitive detectors such as ECDs and MSDs.

ID	df	temp. limits*	15-Meter	30-Meter	60-Meter	75-Meter	105-Meter
0.25mm	0.25µm	-20 to 280°C	16020	16023	\$450	16026	
	0.50µm	-20 to 270°C	16035	16038	\$450	16041	
	1.00µm	-20 to 260°C	16050	16053	\$450	16056	
	1.40µm	-20 to 240°C				16016	
0.32mm	0.25µm	-20 to 280°C	16021	16024	\$480	16027	
	0.50µm	-20 to 270°C	16036	16039	\$480	16042	
	1.00µm	-20 to 260°C	16051	16054	\$480	16057	
	1.50µm	-20 to 250°C	16066	16069	\$480	16072	
	1.80µm	-20 to 240°C		16092	\$480	16093	
0.53mm	0.25µm	-20 to 280°C	16022	16025	\$540	16028	
	0.50µm	-20 to 270°C	16037	16040	\$540	16043	
	1.00µm	-20 to 260°C	16052	16055	\$540	16058	
	1.50µm	-20 to 250°C	16067	16070	\$540	16073	
	3.00µm	-20 to 240°C	16082	16085	\$540	16088	16076 16091

*Maximum temperatures listed are for 15- and 30-meter lengths. Longer lengths may have a slightly reduced maximum temperature.

please note

Rtx®-1301 columns and Rtx®-624 columns are exactly the same columns.

Rtx®-624 Columns (fused silica)

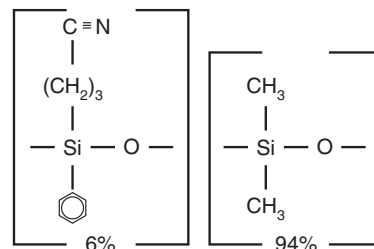
(low to midpolarity phase; Crossbond® 6% cyanopropylphenyl/94% dimethyl polysiloxane)

- Application-specific columns for volatile organic pollutants. Recommended in US EPA methods for volatile organic pollutants.
- Temperature range: -20 °C to 240 °C.
- Equivalent to USP G43 phase.

The unique polarity of the Rtx®-624 column makes it ideal for analyzing volatile organic pollutants. Although the Rtx®-502.2 column is recommended in many methods, the Rtx®-624 column offers better resolution of early eluting compounds. The Rtx®-624 phase produces greater than 90% resolution of the first six gases in EPA Methods 8260 and 524.2. This stationary phase is especially well-suited for EPA Method 524.2 revision IV since it resolves 2-nitropropane from 1,1-dichloropropanone, which share quantification ion m/z 43 and must be separated chromatographically.

ID	df	temp. limits	30-Meter	60-Meter	75-Meter	105-Meter
0.25mm	1.40µm	-20 to 240°C	10968	10969		
0.32mm	1.80µm	-20 to 240°C	10970	10972		
0.45mm	2.55µm	-20 to 240°C			10982	
0.53mm	3.00µm	-20 to 240°C	10971	10973	10974	10975

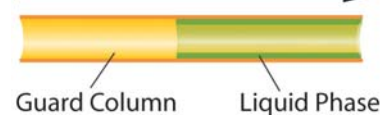
ID	df	temp. limits	20-Meter	40-Meter
0.18mm	1.00µm	-20 to 240°C	40924	40925

Rtx®-1301 Structure**similar phases**

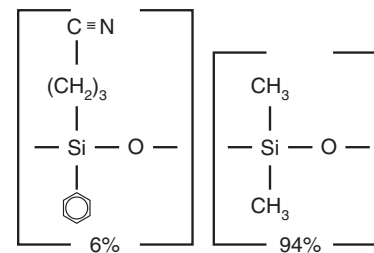
DB-1301, DB-624, HP-1301, HP-624, SPB-1301, SPB-624, VF-1301, VF-624ms, CP-1301, CP-Select 624 CB

Integra-Guard® built-in guard column

Continuous Tubing

**Get the protection without the connection!**

For Rtx®-1301 and Rtx®-624 columns with built-in Integra-Guard® guard columns, see **page 35**.

Rtx®-624 Structure**similar phases**

DB-1301, DB-624, HP-1301, HP-624, SPB-1301, SPB-624, VF-1301, VF-624ms, CP-1301, CP-Select 624 CB

also available**Metal MXT® Columns**

Rugged, flexible, Siltek® treated stainless steel tubing; inertness comparable to fused silica tubing. See **page 117** for our MXT®-1301 columns and **page 121** for our MXT®-624 columns.