









Agilent Inert Flow Path Solutions

Quick Reference Guide

Agilent's 7890B Inert Flow Path Split/Splitless Inlet option ensures the inertness of flow path surfaces, allowing analytes to safely pass from injector to detector. For best trace level analysis, maintain your Inert Flow Path with Agilent Inert Flow Path components.

Agilent Ultra Inert liners and touchless packaging: High inertness, productivity, and reproducibility



Description	Volume (μL)	ID (mm)	1/pk	5/pk	25/pk	100/pk*
Splitless Inlet Liners						
 Single taper, Ultra Inert Liner	900	4	5190-2292	5190-3162	5190-3166	5190-3170
 Single taper, Ultra Inert Liner with glass wool	900	4	5190-2293	5190-3163	5190-3167	5190-3171
 Double taper, Ultra Inert liner	800	4	5190-3983	5190-4007		
 Dimpled	200	2	5190-2297	5190-4006		
Split Inlet Liners						
 Straight, Ultra Inert Liner with glass wool	990	4	5190-2294	5190-3164	5190-3168	5190-3172
 Low pressure drop, Ultra Inert Liner with glass wool	870	4	5190-2295	5190-3165	5190-3169	5190-3173
SPME, Headspace Injection						
 Straight Ultra Inert Liner for SPME	35	0.75	5190-4048			
 Straight, Ultra Inert Liner	65	1	5190-4047			

*The 100/pk is not in the Touchless packaging. O-rings must be purchased separately.

Agilent Ultra Inert gold seals and washers: A smooth, leak-free surface for active analytes

Description	1/pk	10/pk	50/pk
Ultra Inert gold seal and washer	5190-6144	5190-6145	5190-6149



Learn more at www.agilent.com/chem/ultraintert



Agilent UltiMetal Plus Flexible Metal ferrules: No column breakage, no leaks, no activity



Description	Unit	Part No.
UltiMetal Plus Flexible Metal ferrule with 0.4 mm id For fused silica tubing 0.1-0.25 µm id	10/pk	G3188-27501
UltiMetal Plus Flexible Metal ferrule with 0.5 mm id For fused silica tubing 0.32 µm id	10/pk	G3188-27502
UltiMetal Plus Flexible Metal ferrule with 0.8 mm id For fused silica tubing 0.45-0.53 µm id	10/pk	G3188-27503
UltiMetal Plus Flexible Metal ferrule with no hole To plug Capillary Flow Technology fittings	10/pk	G3188-27504
UltiMetal Plus Flexible Metal ferrule Use with 0.25 mm and 0.32 mm UltiMetal column tubing	10/pk	G3188-27506
UltiMetal Plus Flexible Metal ferrule Use with 0.53 mm UltiMetal column tubing	10/pk	G3188-27507

Agilent Inert Flow Path upgrade kit: The components you need, all in one place

Description	Part No.
Inert Flow Path Upgrade kit, 7890	G3970A
Cap Inlet Shield Weldment Assembly, UltiMetal Plus treated	G3452-60570
Weldment assembly, inert, top, 7890	G3452-60735
Ultra Inert gold seal and washer	5190-6144
Ultra Inert single taper splitless liner with glass wool	5190-2293
UltiMetal Plus Flexible Metal ferrule with 0.4 mm id	G3188-27501

Four easy ways to create your Inert Flow Path:

1. Request **Option 114** when you purchase the new Agilent 7890B GC system
2. Add an Inert Flow Path Split/Splitless Inlet to your 7890 with accessory **p/n G3453B**
3. Upgrade a 7890 Split/Splitless Inlet with inert components (**p/n G3970A**)
4. Purchase individual Inert Flow Path components separately, as needed

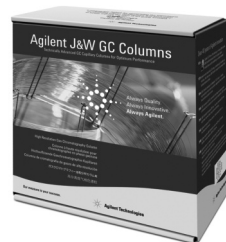
Additional flow path supplies: Expand the capabilities of your Inert Flow Path

Description	Part No.
Purged Ultimate Union Assembly, inert	G3186B
3-way splitter with makeup gas, inert	G3183B
Ultimate Union Kit, UltiMetal Plus deactivated	G3182-60581
Compact Deans Switch Manifold Assembly, UltiMetal Plus treated	G2855B
Compact Splitter with Makeup Gas, inert	G3180B



Learn more at www.agilent.com/chem/ultrainert

Agilent J&W Ultra Inert GC columns: Engineered for low bleed, high thermal stability, and excellent inertness



DB-1ms Ultra Inert

ID (mm)	Length (m)	Film (μm)	Temp Limits ($^{\circ}\text{C}$)	Part No.
0.18	20	0.18	-60 to 325/350	121-0122UI
0.25	15	0.25	-60 to 325/350	122-0112UI
	30	0.25	-60 to 325/350	122-0132UI
	60	0.25	-60 to 325/350	122-0162UI
0.32	15	0.25	-60 to 325/350	123-0112UI
	30	0.25	-60 to 325/350	123-0132UI

HP-1ms Ultra Inert

ID (mm)	Length (m)	Film (μm)	Temp Limits ($^{\circ}\text{C}$)	Part No.
0.18	20	0.18	-60 to 325/350	19091S-677UI
0.25	15	0.25	-60 to 325/350	19091S-931UI
		0.25	-60 to 325/350	19091S-933UI
	30	0.50	-60 to 325/350	19091S-633UI
		1.00	-60 to 325/350	19091S-733UI
0.32	15	0.25	-60 to 325/350	19091S-911UI
		0.52	-60 to 325/350	19091S-612UI
	30	0.25	-60 to 325/350	19091S-913UI
		1.00	-60 to 325/350	19091S-713UI

DB-5ms Ultra Inert

ID (mm)	Length (m)	Film (μm)	Temp Limits ($^{\circ}\text{C}$)	Part No.	
0.18	20	0.18	-60 to 325/350	121-5522UI	
		0.36	-60 to 325/350	121-5523UI	
0.25	15	0.25	-60 to 325/350	122-5512UI	
		1.00	-60 to 325/350	122-5513UI	
		25	0.25	-60 to 325/350	122-5522UI
			0.25	-60 to 325/350	122-5532UI
	30	0.25	-60 to 325/350	122-5532UI	
		0.50	-60 to 325/350	122-5536UI	
		1.00	-60 to 325/350	122-5533UI	
	50	0.25	-60 to 325/350	122-5552UI	
		0.25	-60 to 325/350	122-5562UI	
	0.32	30	0.25	-60 to 325/350	123-5532UI
0.50			-60 to 325/350	123-5536UI	
1.00			-60 to 325/350	123-5533UI	
1.00			-60 to 325/350	123-5563UI	

HP-5ms Ultra Inert

ID (mm)	Length (m)	Film (μm)	Temp Limits ($^{\circ}\text{C}$)	Part No.
0.18	20	0.18	-60 to 325/350	19091S-577UI
0.25	15	0.25	-60 to 325/350	19091S-431UI
		0.25	-60 to 325/350	19091S-433UI
	30	0.50	-60 to 325/350	19091S-133UI
		1.00	-60 to 325/350	19091S-233UI
		0.25	-60 to 325/350	19091S-436UI
0.32	30	0.25	-60 to 325/350	19091S-413UI
		1.00	-60 to 325/350	19091S-213UI

DB-35ms Ultra Inert

ID (mm)	Length (m)	Film (μm)	Temp Limits ($^{\circ}\text{C}$)	Part No.
0.18	20	0.18	50 to 340/360	121-3822UI
0.25	15	0.25	50 to 340/360	122-3812UI
	30	0.25	50 to 340/360	122-3832UI
0.32	15	0.25	50 to 340/360	123-3812UI
	30	0.25	50 to 340/360	123-3832UI

DB-624 Ultra Inert

ID (mm)	Length (m)	Film (μm)	Temp Limits ($^{\circ}\text{C}$)	Part No.
0.18	20	1	-20 to 260	121-1324UI
0.25	30	1.4	-20 to 260	122-1334UI
		1.4	-20 to 260	122-1364UI
0.32	30	1.8	-20 to 260	123-1334UI
		1.8	-20 to 260	123-1364UI
0.53	30	3	-20 to 260	125-1334UI
		3	-20 to 260	125-1374UI

DB-Select 624 UI for <467>

ID (mm)	Length (m)	Film (μm)	Temp Limits ($^{\circ}\text{C}$)	Part No.
0.25	30	1.4	40 to 260/260	122-0334UI
		1.4	40 to 260/260	122-0364UI
0.32	30	1.8	40 to 260/260	123-0334UI
		1.8	40 to 260/260	123-0364UI
0.53	30	1.8	40 to 260/260	125-0334UI

DB-UI 8270D

ID (mm)	Length (m)	Film (μm)	Temp Limits ($^{\circ}\text{C}$)	Part No.
0.18	20	0.36	-60 to 325/350	121-9723
			-60 to 325/350	621-9723, 6/pk*
0.25	30	0.25	-60 to 325/350	122-9732
			-60 to 325/350	622-9732, 6/pk*
			-60 to 325/350	122-9736

*Only available in the U.S.

Learn more at www.agilent.com/chem/ultrainert

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