

7090 Varian 3800 3400 GC

Part Number	Description
7090 detector for a Varian 3800 or 3400 GC	
NOTE: FID and GC are not provided. Vacuum pump, P/N 80.24.401 or 80.24.402 is required. If not ordered, then user must provide.	
REQUIRED COMPONENTS:	
Sulfur Detector	
99506S-115V	MD. 7090 SCD
99506S-230V	MD. 7090 SCD
Nitrogen Detector	
99506N-115V	MD. 7090 CLND
99506N-230V	MD. 7090 CLND
Installation Kit	
90190-115V	KIT,VARIAN 3800,7090,115V
90190-230V	KIT,VARIAN 3800,7090,230V
90158-115V	KIT, VARIAN 3400, 7090, 115V
90158-230V	KIT, VARIAN 3400 7090 230V
NOTE: These GC installation kits have not been updated for the new ceramics. The furnace base assembly (PN 40.10.001) is REQUIRED in addition to the installation kits to accommodate for the new ¼" ceramic tube. The existing furnace base assembly (PN 19203) will not be used.	
40.10.001	Furnace base assembly
OPTIONAL COMPONENTS:	
80.24.401	Pump Assembly, Vacuum
80.24.402	Pump Assembly, Vacuum
100259	Oxygen Purifier
Factory installed option to add Nitrogen Detection (both detector and installation kit part numbers are REQUIRED for upgrade):	
101759	7090 Add-on Nitrogen Detector 115V
101760	7090 Add-on Nitrogen Detector 230V
Factory installed option to add Sulfur Detection (both detector and installation kit part numbers are REQUIRED for upgrade):	
101757	7090 Add-on Sulfur Detector 115V
101758	7090 Add-on Sulfur Detector 230V
Installation Kit	
90190-115V	KIT,VARIAN 3800,7090,115V
90190-230V	KIT,VARIAN 3800,7090,230V
90158-115V	KIT, VARIAN 3400, 7090, 115V
90158-230V	KIT, VARIAN 3400 7090 230V
NOTE: These GC installation kits have not been updated for the new ceramics. The furnace base assembly (PN 40.10.001) is REQUIRED in addition to the installation kits to accommodate for the new ¼" ceramic tube. The existing furnace base assembly (PN 19203) will not be used.	
40.10.001	Furnace base assembly
Furnace Upgrade Kit	
101628	Kit, 7090 Furnace Upgrade

NOTE: This upgrade is for customers with the existing 1/8" ceramic tube to be able to upgrade to the 1/4" ceramic

	Recommended Startup Spares and Consumables:
101756	Kit, 7090 Consumables - 1 year
	Recommended 1 Year Consumables:
	Recommended 2 Year Spares:
	Additional Spares:
22048	SWITCH, PRESSURE CUTOFF, 28 PSI
22063	SENSOR,VACUUM,142PC15A
61009-115V	FAN 4", 120V 4600
61009-230V	FAN,4",240V,4X
80076	P/S 12 vdc 40Watt
15059	COMPOUND ANTI-SEIZE
30140	FERRULE 1/16" GRAPH BARRL
30448	TUBE CERA 14 7/8 OUTER, OXIDIZED
30448-N	TUBE CERA 14 7/8 OUTER, NIT DEACT
30500	TUBE CER. 1.5mm x 1mm x 5
30659	Ferrule, Graphite 1/8"-1/16"
31058	PKG/10, FERRULE, GF, 1/8", (30658)
69082	FILTER, SULFUR, 1.25 DIA.
70047	O-ring, .9891D x .070 S70
70130	Cooler 2 Stage 12V 2.8Amp
70142	O-ring 1.9251D x .103 S70
70144	O-ring 2.4251D x .103 S70
70150	O-ring, 2.3641D x .070 E70
71011	Dry Caps
71033	Gas Dryer Drierite / Mol. Sieve
71050	O-ring, .9841D x .139 S70
71068	O-RING .239ID x .070 S70
71069	O-ring, .426ID x .070 S70
71091	O-ring, .426D x .070 Kalrez
71092	O-ring .239ID x .070 Kalrez
72001	Moleculite Refill Kit
81029-1	FUSE KIT 7090
86060	FURNACE ASSY
86030	Thermocouple