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Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes

0**Maxum Chromatograph****1****Power Entry and Control Module (PECM)**

2021828-001	US2: 2021828-001	Power Entry and Control Module (PECM-2 electronics; 2-board assembly)	2021828-002	Maxum 1 or II. See also individual
2021828-002	US2: 2021828-002	PECM3 Assembly W/Temp/SVCM Control		
2021784-001	US2: 2021784-001	PECM-2 with Temp. and SVCM Ctrl; (Control - top board only)	ASE02645922001	Maxum 1 or II
ASE02645922001	ASE02645922001	PECM CTRL BOARD, V3 (PECM3 CTRL)		Maxum 1 or II
2021757-002	US2: 2021757-002	Cable, I2C, PECM-CIM		Maxum 1 or II
2021789-001	US2: 2021789-001	PECM-2 with Temp. and SVCM Ctrl; (SSR - bottom connect board only)		Maxum 1 or II
2017799-001	< NN1 >	Power Entry and Control Module (PECM); Ver. 1; single board	2022019-001	Price not available
2022019-001	US2: 2022019-001	Power Entry Ctrl Mod. (PECM-2) with Temperature & SVCM Control		Maxum 1 or II
	2021828-001	Power Entry and Control Module (PECM-2) (Electronics only)		
	2021837-001	24v Power Cable from PECM to Wiring Distribution Board (WDB)		
	2017596-002	Long cable from Heater to Sensor Near Electronics		
	2017959-001	Heater Termination Plug		
	1901694-001	Fuse, 10A, fast acting, ceramic, 5x20mm		
	1901693-001	Fuse, 16A, fast acting, ceramic, 5x20mm		
	2017902-001	Power Ground cable for PECM		
	2021811-001	On-board Temperature Control Jumper cable for PECM		
2021811-001	US2: 2021811-001	On-board Temperature Control Jumper cable for PECM		Maxum 1 or II
		For long cables to connect PECM-2 to Solenoid Valve Control Modules, see		
		For cables to connect PECM-2 to oven heater sensors, see Oven Feed		
1173100-003	< NN1 >	Filter, Power Supply Line Assembly	2021343-001	
2021343-001	US2: 2021343-001	Filter, Power Supply Line Assembly		Maxum 1 or II
2020151-001	US2: 2020151-001	Fuse Kit		Maxum 1 or II
	1302004-033	^ Fuse, 3.15 amp		
	1901694-001	^ Fuse, 10.0 amp		
	1901693-001	^ Fuse, 16.0 amp		
	1901695-001	^ Fuse, fast acting, ceramic, 5x20mm, 6.3A		
2020152-001	US2: 2020152-001	Solid State Relay Kit		Maxum 1
	R60550	^ Solid state power relay		
2020376-701	US2: 2020376-701	Kit, Relay, Solid State Relay Kit for Maxum II		Maxum II
	1901565-001	^ Relay, Solid State, 250 AC, Opto-isolated		
2021769-001	US2: 2021769-001	Medium Wattage Heater Solid State Relay Module, with cables		Maxum II
	2021763-001	^ Heatsink, Blank Plate		

Part Number Selection				
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	2021767-001	^ PCBA, Module, Medium Wattage Heater, SSR		
	2021770-001	^ Cable, Control, Medium Wattage Heater, SSR		
	2017593-003	^ Cable, PECM to Medium Wattage Heater SSR module		
	1312530-012	^ Washer, Lock, Internal, M4, 304 Stainless		
	1312420-346	^ Screw, M4x6, Socket Head Cap, Stainless		
	2017790-003	^ Gasket, SSR / Heatsink-Neoprene W/Psa		
1901565-001	US2:1901565-001	Relay, Solid State, 250 AC, Opto-Isolated		Maxum II
2017991-001	US2:2017991-001	Cable, Power, (Extension cable for external heater systems)		Maxum II
2020146-001	US2:2020146-001	PECM to SSR Cable and Connector Kit		Maxum 1 or II
	1220018-002	^ Plug, 4 position, 3.81 pitch, 8 amp		
	1222010-007	^ Plug, 3 position, 7.62 pitch, 20 amp		
	1222010-009	^ Plug, 2 position, 5.08 pitch, 8 amp		
	1218001-020	^ Connector, 6 position plug, MC 1,5/6-ST-5,08		
	2017591-001	^ SSR to SSR power jumper		
	2017592-001	^ PECM to pressure switches		
	2017594-001	^ PECM to SSR, signal		
	2017597-001	^ PECM to SYSCON purge, outside		
	2017798-001	^ Cable, relay control plug		
2020147-001	US2:2020147-001	Cable Harness Kit for Original Maxum		Maxum 1
	2017593-001	^ PECM to SSR, power		
	2017904-001	^ PECM to SNE heater, I2C to PECM, SNE and SVCN #2		
	2017905-001	^ I2C to EPC and SVCNs #1 and #3		
	2017595-001	^ Cable, adaptor, 115 vac power		
	2017595-002	^ Cable, adaptor, 230 vac power		
2020183-701	US2:2020183-701	Cable Harness Kit for Maxum II		Maxum II
	2017593-002	^ Cable, PECM to SSR, power		
	2017593-003	^ Cable, PECM to Medium Wattage Heater SSR module		
	2017595-001	^ Cable, adaptor, 115 vac power		
	2017595-002	^ Cable, adaptor, 230 vac power		
	2021757-001	^ Cable, I2C Module		
	2021756-001	^ Cable, Module ID #1 Plug		
	2021756-002	^ Cable, Module ID #2 Plug		
	2021756-003	^ Cable, Module ID #3 Plug		
	2021756-004	^ Cable, Module ID #4 Plug		
	2021758-001	^ Cable, Epc I2C Module		
	2021759-001	^ Cable, Heater Control, 500mm		
	2021759-002	^ Cable, Heater Control, 800mm		
	2021759-003	^ Cable, Heater Control, 1100mm		
2017988-001	US2:2017988-001	Purge By-pass cable		Maxum 1
2021767-001	US2:2021767-001	PCBA, Module, Medium Wattage Heater, SSR		
2017593-002	US2:2017593-002	Cable, PECM to SSR, power		
2017593-003	US2:2017593-003	Cable, PECM to Medium Wattage Heater SSR module		
2017595-001	US2:2017595-001	Cable, adaptor, 115 vac power		
2017595-002	US2:2017595-002	Cable, adaptor, 230 vac power		
2017592-002	US2:2017592-002	Cable, PECM Termination, Airless		
2017597-001	US2:2017597-001	Cable, PECM to SYSCON Purge, Outside		
2021811-002	US2:2021811-002	Cable, PECM on Board Temp Control, Jumper 140		
2021837-002	US2:2021837-002	Cable, 24V Power, PECM-CIM		
		(For interconnect and I2C ID cables, please see Wiring and Cables section		
A5E03874740001	A5E03874740001	Cable, PECM to Syscon and Cimbase Purge		

2		Power Supplies	
1481000-008	US2:1481000-008	Power Supply Module for GC, with Cables	Maxum 1 or II
2015849-001	US2:2015849-001	Power supply assembly for ANG; 10 pin (Advance Net. Gateway)	Network products
2015849-002	US2:2015849-002	Power supply assembly for ANG; 6 pin (Advance Net. Gateway)	Network products
1700490-001	US2:1700490-001	Power supply for NAU and CEU	Network products
1481008-006	US2:1481008-006	Power supply, switching dual input, for DNH (DataNET Hub)	Network products
2017976-001	US2:2017976-001	Power Supply for Optichrom when using Advance Plus door	Network products
ASE30366979	ASE30366979	Primary 24v Power Supply, Switched Mode, for Modular	Modular oven

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
3 Maintenance Panels (MMI)				
2020171-001	US2: 2020171-001	Maintenance Panel Kit Level 1 - LED		Maxum 1 or II
	2017935-001	^ Display assembly, maintenance panel level 1		
	1312601-004	^ Nut, M4 with lock washer, zinc plated		
	1320001-003	^ Clip, wire on base		
2020153-001	< NN1 >	Maintenance Panel Kit	ASE31317779001	Price not available
2020154-001	US2: 2020154-001	Maintenance Panel Kit, Universal	ASE31317779001	Maxum 1 or II (s)
	2020972-001	Man-Machine (MMI) Interface Panel		
	2017929-003	Spacer, Hex, M4 Thread		
	1312601-004	Nut, M4 with lock washer, zinc plated		
	H11508	Washer, internal-T, #8, .330 x .022, stainless steel		
	2017929-004	Spacer, Hex, 8-32 Thread		
	1312612-002	Nut, 8-32 kep, 5/16 across flats, plated steel		
Note - color maintenance panel with touch screen is listed in Section 4.3 below. The B&W maintenance panel listed in this section may be replaced with a new upgrade part as indicated in the "Replacement" column above.				

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
4 System Controllers (SYSCON and CIM)				
1700606-001	US2:1700606-001	BRACKET, SYSCON PCB		
2017563-002	US2:2017563-002	CABLE, SYSCON PURGE, INSIDE, SYSCON+		
US2:1681003-007	US2:1681003-007	Cable, 4, Twisted Pair, PVC cross-over, 2ft		Maxum 1 or 2
US2:2017562-001	US2:2017562-001	Cable, SYSCON power, inside		Maxum 1 or 2
US2:2017563-002	US2:2017563-002	Cable, SYSCON purge, inside, SYSCON +		Maxum 1 or 2
US2:2017906-001	US2:2017906-001	Cable, SYSCON, Debug		Maxum 1 or 2
US2:2017906-002	US2:2017906-002	Cable, SYSCON, Debug-Long		Maxum 1 or 2
4.1 Original SYSCON and SYSCON+ (System Controller)				
2017559-009	< NN1 >	GC System Controller (SYSCON) ; Ver. 3.11	A5E02599495001	SYSCON obsolete; use SYSCON 2
2017559-010	< NN1 >	GC System Controller (SYSCON); extended memory; Ver. 3.11	A5E02599495001	SYSCON obsolete; use SYSCON 2
2021081-001	< NN1 >	GC System Controller Plus (SYSCON +)	2021817-001 or A5E02599495001	Preferred replacement is SYSCON 2
2021081-701	< NN1 >	GC System Controller Plus w/ cables, spares kit (SYSCON+)	A5E02599495001	See also 2021081-001
2020132-701	< NN1 >	GC SYSCON+ Replacement kit (SYSCON+)	A5E02599495001	See also 2020132-001
2020110-004	< NN1 >	NAU System Controller (SYSCON) Board Version 3.11	A5E02599497001	Replaced with SYSCON 2
2020132-001	US2:2020132-001	GC System Controller Plus with adapter cables (SYSCON+)	A5E02599495001	SRAM no longer available
2021817-001		^ GC System Controller (SYSCON +) with 32 MB DRAM only		
2017563-002		^ Cable, SYSCON purge, inside, SYSCON+		
2017948-002		^ Cable, SYSCON+ Purge, Advance Plus		
2020282-002		^ Cable, Power for Fiber Optic Converter, SYSCON+		
2020912-001		^ Memory Exp. Module; 8k-bytes SRAM + 8k-bytes Flash		
2022018-001	US2:202018-001	SYSCON Replacement Kit with Compact Flash	A5E02599495001	Maxum 1 or II and NAU
2021817-001		^ PCBA, Syscon+, w/CAN DO Correction		
2017563-002		^ Cable, Syscon Purge, Inside, Syscon+		
2021726-002		^ PCBA, I2C ISA, I/F Bd, Comp Flash I/F Only		
1901692-001		^ Cable, IDE, Hard Drive Memory, 19 Inch		
2021835-001		^ PCBA, Syscon PSRAM Module, 16 Megabytes		
1686005-002		^ Cable, BNC Male To SMB Plug, 50 Ohm		
2000686-001		^ MN, System Contrl & Memory Assys (Syscon)		
2017948-002		^ Cable, Syscon+ Purge, Advance Plus		
2020282-002		^ Cable, PWR for FO Conv, Syscon+		
A5E02263113001		^ Compact Flash, Programed		
2021817-001	US2:2021817-001	GC System Controller (SYSCON +) with 32 MB DRAM only		Maxum 1 or II and NAU
2021726-002	US2:2021726-002	I2C Cont'l'r Board to mount CF mem. on SYSCON (de-populated)		Used with GC and NAU only; see
2022040-001	US2:202040-001	PCBA, Adv + Compact Flash Adapter		Used with Advance Plus only; see
1901692-001	US2:1901692-001	Cable, IDE, 19" for Compact Flash		Maxum 1 or II
2020912-001	US2:2020912-001	Memory Expansion Module; 8 Mbytes SRAM + 8 Mbytes Flash	A5E03391443001 for NAU or	Replace by CF and adapter
A5E03391443001	A5E03391443001	KIT, SRAMS/FLASH CONVERSION, MAXUM/NAU		Kit to replace former mem. Modules
A5E02263113001		COMPACT FLASH, PROGRAMED		
1901692-001		CABLE, IDE, HARD DRIVE MEMORY, 19 INCH		
2021726-002		PCBA, I2C ISA, I/F BD, COMP FLASH I/F ONLY		
1312420-334		SCREW, M4X8, SOCKET HEAD CAP, SST		
2021835-001		PCBA, SYSCON PSRAM MODULE, 16 MEGABYTES		
A5E03404069001		PROCEDURE, SRAMS/COMPACT FLASH CONVER		
A5E03391443002	A5E03391443002	KIT, SRAMS/FLASH CONVERSION, ADV. PLUS		Kit to replace former mem. Modules
A5E02263113001		COMPACT FLASH, PROGRAMED		
1901692-001		CABLE, IDE, HARD DRIVE MEMORY, 19 INCH		
2021835-001		PCBA, SYSCON PSRAM MODULE, 16 MEGABYTES		
A5E03404069001		PROCEDURE, SRAMS/COMPACT FLASH CONVER		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
2022040-001		PCBA, ADV + COMPACT FLASH ADAPTER		
1226015-707	US2:1226015-707	Memory Replacement Module; 32 Mbytes Dynamic RAM		Maxum 1 or II
1901667-001	US2:1901667-001	Memory Replacement Module; 64 MByte Compact Flash; Type 1	A5E02263113001	Maxum 1 or II
1901667-002	< NN1 >	Memory Replacement Mod.; 128 MByte Compact Flash; Type 1	A5E02263113001	"Smart" brand. Pre-programmed.
1901667-003	< NN1 >	Memory Replacement Mod.; 256 MByte Compact Flash; Type 1	A5E02263113001	"ATP" brand
A5E02263113001	A5E02263113001	Memory Replacement Mod.; 256 MByte Compact Flash; Type 1		"Smart" brand. Pre-programmed.
A5E02275363001	A5E02275363001	KIT, SPARE PARTS, COMPACT FLASH		
	1263000-010	^ Filter, Ferrite, Split Core For Flat Cbl		
	T09500	^ Tape, 1/2W X 1/32Tk, Dbl Back Foam		
	A5E02263113001	^ Compact Flash, Programed		
	A5E02327299001	^ Procedure, Compact Flash Repl, Emc Fitr		
2021835-001	US2:2021835-001	Memory Expansion Module; 16 Mbytes PSRAM		Maxum 1 or II
2017579-001	US2:2017579-001	Cable, SYSCON to MMI, outside	A5E02588477001	Replacement requires SYSCON2.
2017579-801	< NN1 >	Cable, SYSCON to MMI, outside	2017579-001	Maxum 1 or II
2020916-001	US2:2020916-001	Cable, Syscon to MMI with shield for Zone 1		Maxum 1 or II
2017561-001	US2:2017561-001	Cable, SYSCON to MMI, bulkhead to PCB, inside		Maxum 1 or II
1700149-001	US2:1700149-001	Termination, CAN Bus		Maxum 1 or II
2015813-001	US2:2015813-001	CAN bus cable; SYSCON to bracket		Maxum 1 or II
1901543-001	US2:1901543-001	Battery, 3V, Lithium, 2000mah, size AA		For use in Saudi Arabia. This is a
1487010-002	US2:1487010-002	SYSCON Battery, Lithium, 3.6V/2.4A-h, AA size	A5E02243500001	Maxum 1 or II
A5E02243500001	A5E02243500001	Kit, Lithium Battery Installation		Kit includes battery, 1487010-002;
2017923-001	US2:2017923-001	Cable, RS-232-485 extension		Maxum 1 or II
1686005-002	US2:1686005-002	Cable, BNC Male to SMB plug, 50 Ohm		Maxum 1 or II
1686005-003	US2:1686005-003	Cable, BNC Male 90 degree, to SMB plug 90 degree		Maxum 1 or II
		(For interconnect and I2C ID cables, please see Wiring and Cables section)		
4.2		SYSCON 2 (System Controller)		
A5E02599495001	A5E02599495001	GC Upgrade Kit to replace older SYSCON with SYSCON2		With latest CAC; requires Ver. 5.2 or
A5E02599497001	A5E02599497001	NAU Upgrade Kit to replace older SYSCON with SYSCON2		With latest CAC; requires Ver. 5.2 or
A5E02599491001	A5E02599491001	SYSCON 2 electronic ass'y with original CAC3 (Ver. -.001)		With original CAC; requires Ver 5.0
A5E02599491002	A5E02599491002	SYSCON 2 electronic ass'y with CAC3 NORflash (Ver. -.003)		With original CAC; requires Ver 5.1
A5E02599491003	A5E02599491003	SYSCON 2 complete assembly in cage, with CAC3 NANDflash (Ver. -.004)		With original CAC; requires Ver 5.2
A5E02599491004	A5E02599491004	Syscon 2.1 Electronic Assembly with CAC3-004 (Requires 5.2+ Software)		Requires GC S/W 5.2 or Higher
A5E02599488001	A5E02599488001	PCBA, SYSCON Interface Board V2, (SIB2)	A5E31990486001	Maxum 1 or 2
A5E31994086001	A5E31994086001	Syscon Interface Board, V3, (SIB3)		Maxum 1 or 2
A5E02599492001	A5E02599492001	Communication Analytical Controller V3(CAC3) with software	A5E02599492004	Original CAC3. Can be used in any
A5E02599492003	A5E02599492003	CAC3, 65nmNOR FLASH, WITH >=5.1 SW	A5E02599492004	CAC3 with NORflash. Can be used if
A5E02599492004	A5E02599492004	CAC3, 512MB NAND, WITH >=5.2 SW		CAC3 with NANDflash. Can be used
A5E02599496001	A5E02599496001	Kit, SYSCON2 upgrade (needed when multiple SNECONS)	A5E02555919001	Kit no longer used; replace with
A5E02599494001	A5E02599494001	Kit, Cables for SYSCON2		Maxum 1 or 2
A5E02794453001	< NN1 >	SYSCON 2 Cage Mounting Adapter Plate for Maxum 1		Adapts very early SYSCON cage
A5E00828904	A5E00828904	Battery, Lithium, Mangan Dioxyd, CR24		Maxum 1 or 2
A5E02588477001	A5E02588477001	Cable, Ribbon, SIB2 to MMI, SYSCON2		Not compatible with SYSCON or
A5E02588477002	A5E02588477002	Cable, Ribbon, SIB2 to MMI, SYSCON2, short		Maxum 1 or 2
A5E02529816	A5E02529816	Cable, 10BASET, CAC - ETHERNET switch, 1FT, CAT5		Maxum 1 or 2
A5E02283873001	A5E02283873001	Cable, RS485 Conversion, SYSCON1 to SYSCON2		Maxum 1 or 2
A5E02660872	A5E02660872	Cable, Serial Null Modem, 10 ft, Female/Female, DB9 RS232		Maxum 1 or 2
A5E02586968001	A5E02586968001	HOUSING, SYSCON 2, MOTHERBOARD		
4.3		CIM (Controller Interface Module) Base GC Doors		
A5E3131779001	A5E3131779001	KIT, UPGRADE MAXUM II to Color Display Door Assy Using CIM		Sheet metal door style for use with

Part Number Selection				
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A5E32964707001	A5E32964707001	KIT, UPGRADE MAXUM 1 to Color Display Door Assy Using CIM (Not		Release pending. Est. Oct. 2014.
A5E03251957002	A5E03251957002	ASSEMBLY, PCBA, CIMBASE, CONT, I/F		All Maxum
A5E03990228001	A5E03990228001	KIT, SPARE, TOUCH SCREEN ASSEMBLY		All Maxum
A5E03989577001	A5E03989577001	KIT, SPARE, CIM REPLACEMENT CABLES		All Maxum
A5E31368422	A5E31368422	WRENCH, TORQUE, 4 LBS-IN		All Maxum
A5E03251957001	A5E03251957001	ASSEMBLY, PCBA, CIMBASE, CONT, I/F	A5E03251957002	Upgrade kits reconfigured.
A5E03990569001	A5E03990569001	KIT, SPARE, DOOR ASSEMBLY W/ CIM	A5E31317779001	
	A5E34001642001	CIM COVER KIT		
4.4		TIB (Touch Screen Interface Board) Base GC Doors		
A5E31993951001	A5E31993951001	PCBA, Touch Screen Interface Board (TIB)		Maxum 1 or 2
A5E32869588001	A5E32869588001	Cable, SIB to TIB		Maxum 1 or 2
A5E34957918001	A5E34957918001	KIT, UPGRADE MAXUM I with Syscon+ To Color Display using TIB/Syscon2.1		Maxum I
A5E34957918002	A5E34957918002	KIT, UPGRADE MAXUM I with Syscon2 To Color Display using TIB/Syscon2.1		Maxum I
A5E34957918003	A5E34957918003	KIT, UPGRADE MAXUM II with Syscon+ To Color Display using TIB/Syscon2.1		Maxum II
A5E34957918004	A5E34957918004	KIT, UPGRADE MAXUM II with Syscon2 To Color Display using TIB/Syscon2.1		Maxum II

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
5				
Communication and Input/Output				
5.1				
Communication Boards				
For Ethernet to Fiber Optic converter for Advance Plus and Optichrom, see				
For Data Hiway and DataNET Gateway boards and ANCB, see Section 26,				
A5E02555919001	A5E02555919001	ESBF; Ethernet Switch, 3 TP, 10/100Mbps; 1 FO 100 Mbps		Maxum 1 or II
A5E02368691001	A5E02368691001	ESB; Ethernet Switch, 4 twisted pair ports 10/100Mbps		Maxum 1 or II
1161000-010	US2:1161000-010	3-COM Ethernet Board	A5E02368691001	Limited use with orig. SYSCON
2020282-001	< NN1 >	CABLE, POWER FOR FIBER OPTIC CONVERTER	2020282-002	
2020282-002	US2:2020282-002	Power cable for Fiber Optic converter board; for SYSCON+		Maxum II
1218001-016	US2:1218001-016	Connector, 6 position, Phoenix Combicon Plug		Maxum 1 or II
1681011-022	US2:1681011-022	Cable, 10-Base-T crossover; 6 inch		Maxum 1 or II
2015828-001	US2:2015828-001	Potted Fiber Optic converter module for DataNET	None	Consult factory for alternatives.
2020947-001	US2:2020947-001	Fiber Optics Coupler cable	None	Consult factory for alternatives.
2020108-002	US2:2020108-002	KIT, MEDIA CONVERTER, 100 BASE FX, ADV+		Advance Plus only
1270002-009	US2:1270002-009	CONVERTER, MEDIA, INTERNAL PC, 10BASET/FO	A5E02555919001	Replacement is recommended! The
A6X19905064	A6X19905064	Converter, Media, PCI, 10/100BT, 100BFX	A5E02555919001	Network products
2017565-803	< NN1 >	KIT, COMMUNICATION, ADH BOARD SET	2020951-801	Replacement is w/o connector, cable
2017565-804	< NN1 >	KIT, COMMUNICATION, DATANET COPPER	2020951-804	Replacement is w/o connector, cable
2017565-805	< NN1 >	KIT, COMMUNICATION, DATANET FIBER OPTIC	2020951-804	Replacement is w/o connector, cable
2017565-806	< NN1 >	KIT, COMM, 10BASEFO, ETHERNET-FIBER OPTIC	1270002-009	Replacement is w/o connector, cable
2020283-001	US2:2020283-001	Kit, Ethernet to Fiber Optic converter, 100MB fiber	A5E02555919001	Maxum 1 or II (s)
2020108-001	< NN1 >	KIT, MEDIA CONVERTER, 10 BASE FX, ADV+	2020108-002	Advance Plus only
2020108-701	US2:2020108-701	Ethernet to Fiber Optic conv. board with cable; for Advance Plus	2020108-002	Network products
5.2				
Input and Output Boards				
2017519-802	US2:2017519-802	8 Channel AO Board		CAN type board (replacement only)
2017519-803	US2:2017519-803	4 Each DO/DI Board		CAN type board (replacement only)
2017519-804	US2:2017519-804	2 Each AI/AO/DI/DO Board		CAN type board (replacement only)
1700605-001	< NN1 >	PCB, CAN A08, ANALOG OUTPUT, 0-20MA	2017519-802	
A5E03660722001	A5E03660722001	Input-Output spare kit, AI/O-I2C BD, 8AO, 8AI, 2DI		I2C type board (New construction)
A5E03660723001	A5E03660723001	Input-Output spare kit, DIO-I2C BD, 8 DO, 6 DI		I2C type board (New construction)
A5E03660721001	A5E03660721001	Input-Output spare kit, ADIO-I2C BD, 4 each AI/AO/DI/DO		I2C type board (New construction)

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
6				
Smart Sampling System Interface (SSSI) Bus				
6.1				
Siemens I2C: Multi-variable Flow Sensor				
A5E30296361	A5E30296361	DMT; 1; 4" NPT; Vapor; 0-500 CCM Air; FFKM		Ref. ID: 7KQ4150-0AB00-0AA1
A5E30296362	A5E30296362	DMT; Modular mount; Vapor; 0-500 CCM Air; FFKM		Ref. ID: 7KQ4150-1AB00-0AA1
A5E30296363	A5E30296363	DMT; 1; 4" NPT; Vapor; 0-3 LPM Air; FFKM		Ref. ID: 7KQ4150-0AB00-0BA1
A5E30296364	A5E30296364	DMT; Modular mount; Vapor; 0-3 LPM Air; FFKM		Ref. ID: 7KQ4150-1AB00-0BA1
A5E30296365	A5E30296365	DMT; 1; 4" NPT; Vapor; 0-6 LPM Air; FFKM		Ref. ID: 7KQ4150-0AB00-0CA1
A5E30296366	A5E30296366	DMT; Modular mount; Vapor; 0-6 LPM Air; FFKM		Ref. ID: 7KQ4150-1AB00-0CA1
A5E30296367	A5E30296367	DMT; 1; 4" NPT; Liquid; 0-100 CCM Water; FFKM		Ref. ID: 7KQ4150-0AB00-1BA1
A5E30296368	A5E30296368	DMT; Modular mount; Liquid; 0-100 CCM Water; FFKM		Ref. ID: 7KQ4150-1AB00-1BA1
6.2				
Siemens I2C: Pressure - Temperature Sensor				
A5E30277808	A5E30277808	PTX / 1/4" tube stub; Pres. range: 0-50 psig; Viton		Ref. ID: 7KQ4150-0BC00-0AA0
A5E30277809	A5E30277809	PTX / Modular mnt; Pres. range: 0-50 psig; Viton		Ref. ID: 7KQ4150-1BC00-0AA0
A5E30277810	A5E30277810	PTX / 1/4" tube stub; Pres. range: 0-500 psig; Viton		Ref. ID: 7KQ4150-0BC00-0CA0
A5E30277811	A5E30277811	PTX / Modular mnt; Pres. range: 0-500 psig; Viton		Ref. ID: 7KQ4150-1BC00-0CA0
6.3				
Siemens I2C: Remote Valve Control Module				
A5E30278813	A5E30278813	RVCM / Valve Switching Module		Ref. ID: 7KQ4150-0CC00-0AA0
A5E30278814	A5E30278814	RVCM / Valve Module with position sensors		Ref. ID: 7KQ4150-0DC00-0AA0
6.4				
Power Supplies				
A5E30272495	A5E30272495	P&F I.S. ATEX Version (External supply)		Ref. ID: 7KQ4150-0PD00-0AA1
A5E30272498	A5E30272498	P&F I.S. U.S. Version (External supply)		Ref. ID: 7KQ4150-0PD00-0AA0
A5E30174254	A5E30174254	Phoenix 4amp, 12volt, Div2/Zone2 (Internal supply)		Ref. ID: 7KQ4150-0PE00-0AA0
A5E35956261001	A5E35956261001	ASSEMBLY, SSSI POWER BARRIER, I.S.		Maxum II & Modular
A5E35956261002	A5E35956261002	ASSEMBLY, SSSI POWER BARRIER, DIV2		Maxum II & Modular
A5E03399457001	A5E03399457001	KIT, SSSI, INTERNAL POWER SUPPLY, ZONE 2		
A5E03399457002	A5E03399457002	KIT, SSSI, INTERNAL POWER SUPPLY, DIV 2		
A5E03399457003	A5E03399457003	KIT, SSSI, EXTERNAL POWER SUPPLY, ZONE 1		
A5E03399457004	A5E03399457004	KIT, SSSI, EXTERNAL POWER SUPPLY, DIV 1		
A5E03706427001	A5E03706427001	INSTALL KIT, SSSI, INT PS, ZONE 2, MODULAR		Modular (old Phoenix DIV2 supply)
A5E03706427002	A5E03706427002	INSTALL PKG, SSSI, INT PS, DIV2, MODULAR		Modular (old Phoenix DIV2 supply)
A5E03706427003	A5E03706427003	INSTALL PKG, SSSI, EXT PS, ZONE 1, MODULAR		Modular (ext. P+F supply)
A5E03706427004	A5E03706427004	INSTALL PKG, SSSI, EXT PS, DIV 1, MODULAR		Modular (ext. P+F supply)
6.5				
Cables and Special Tools				
A5E30272480	A5E30272480	Cable: Power Supply; 5m; fanned; DB-9M		Ref. ID: 7KQ4150-0KP00-0BA0
A5E30272481	A5E30272481	Cable: Power Supply; 15m; fanned; DB-9M		Ref. ID: 7KQ4150-0KP00-0DA0
A5E30272485	A5E30272485	Power blocking connector; DB-9F; DB-9M		Ref. ID: 7KQ4150-0KP10-0AA0
A5E39224074001	A5E39224074001	CABLE, 24V POWER, PECM-SSSI PWR BARRIER		applies to A5E39142319001/002
A5E39224074002	A5E39224074002	CABLE, 24V POWER, CIM-SSSI PWR BARRIER		applies to A5E39839364001/002
A5E03785046006	A5E03785046006	CABLE, GROUND, CIMBASE, 720MM		applies to A5E39142319001
A5E03785046004	A5E03785046004	CABLE, GROUND, IS POWER BARRIER		applies to A5E39839364001
A5E39669982001	A5E39669982001	BRACKET, SSSI POWER BARRIER, MAA		applies to A5E39142319001/002
A5E30271622	A5E30271622	Cable: GC to Sampling System; 5m; fanned; DB-9F		Ref. ID: 7KQ4150-0KG00-0BA0
A5E30272276	A5E30272276	Cable: GC to Sampling System; 15m; fanned; DB-9F		Ref. ID: 7KQ4150-0KG00-0DA0
A5E30272319	A5E30272319	Cable: Sensor-to-sensor; 0.35m; DB-9F; dual-end		Ref. ID: 7KQ4150-0KC00-0AA0

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
A5E30272456	A5E30272456	Cable: Sensor-to-sensor; 0.5m; DB-9F; dual-end		Ref. ID: 7KQ4150-0KC00-0BA0
A5E30272462	A5E30272462	Cable: Sensor-to-sensor; 0.75m; DB-9F; dual-end		Ref. ID: 7KQ4150-0KC00-0CA0
A5E30272467	A5E30272467	Cable: Sensor-to-sensor; 1.0m; DB-9F; dual-end		Ref. ID: 7KQ4150-0KC00-0DA0
		Maxum SSSI Bus Interface Assy		
A5E03391211001	A5E03391211001	Condulet top cable termination box, assembly		
A5E03118474001	A5E03118474001	Sealed cable feedthru GC to top termination box		
A5E02534215001	A5E02534215001	I.S. Barrier module only	A5E31452847001	Certification standard changed
A5E31452847001	A5E31452847001	SSSI I.S. Communication Barrier		For use with Maxum and MicroSAM;
A5E02912187001	A5E02912187001	Internal I2C bus cable		
A5E02912187002	A5E02912187002	CABLE,NESSI IS BARRIER TO SIB, 42"		applies to A5E39839364001/002
		Cable Connector Parts and Accessories		
A5E30296369	A5E30296369	Connector, seal, DE-9 male, Santoprene (enables IP54 seal)		
A5E30276720	A5E30276720	JackscREW, male, 1.56", 4-40 x 3/16 hex		
A5E30276726	A5E30276726	JackscREW, male, 2.65", 4-40 x 3/16 hex		
A5E30273807	A5E30273807	Connector, plug; male, M12, PA plastic		
A5E30273808	A5E30273808	Connector, cap; female, M12, PA plastic		
		External ATEX Power Supply Cable Connection Housing Parts		
A5E30169515	A5E30169515	Locknut, M20 x 1.5, nickle plated brass; for EMI/RFI resistance		
A5E30273770	A5E30273770	Adapter, M16 x 1.5 male to PG9 female		
A5E30273798	A5E30273798	Plug, Hex head, M16 x 1.5, stainless steel		
A5E30273801	A5E30273801	O-ring; 15mm OD x 12mm ID x 1.5mm OD, FPM		
A5E30273802	A5E30273802	Connector, M12 female recepticle, 4/2 position, PG9/nut		
A5E30276652	A5E30276652	Field-wireable connector, M12, male, 4 position,EMI		
		GC ATEX Cable Connection Housing Parts		
A5E30276714	A5E30276714	Field-wireable connector, M12, male, 8 position,EMI		
A5E30271616	A5E30271616	M12 Cable receptical, 8 position, for bus termination box		
A5E30271496	A5E30271496	Plug, Hex head, 1/2" M NPT, nickle plated brass		
A5E30117872	A5E30117872	Locknut, 1/2" NPT, nickle plated brass; for EMI/RFI resistance		
		Special Tools for DB-9 and M12 Field-Wireable Connectors		
A5E30277777	A5E30277777	Nutdriver, 3/16" x 60mm, hex, rotating cap		
A5E30277764	A5E30277764	Screwdriver, 2mm x 40mm, with rotating cap		
A5E30277781	A5E30277781	Tweezers, 30 degree angle, Stainless Steel with groove in tip		
6.6		SSSI Power Barrier Field Upgrade - Maxum Airbath/Airless (MAA)		
A5E40727148001		KIT, FIELD,SSSI PWR BARRIER,DIV1/ZN1,MAA		applies to A5E39142319001
	A5E03391211001	CONDUIT BOX ASSY, SSSI		
	A5E31452847001	SSSI IS COMMUNICATION BARRIER		
	1312601-005	NUT,M5 WITH LOCKWASHER,ZINC PLATED		
	A5E02912187001	CABLE,NESSI IS BARRIER TO SIB		
	A5E33004038001	LABEL, CONDUIT BOX ASSEMBLY, SSSI		
	A5E36987283	CABLE TIE, IDENTIFIER, FLAG TYPE, BLUE		
	A5E36995087001	LABEL, INTRINSICALLY SAFE CIRCUIT		
	A5E3966982001	BRACKET, SSSI POWER BARRIER, MAA		
	1312601-004	NUT,M4 WITH LOCKWASHER,ZINC PLATED		
	A5E39224074001	CABLE, 24V POWER, PECM-SSSI PWR BARRIER		
	A5E03785046006	CABLE, GROUND, IS POWER BARRIER,1120MM		
	A5E35956261001	ASSEMBLY, SSSI POWER BARRIER, I.S.		
	1212015-701	TERMINAL BLOCK,END STOP,TYPE BAM		
	1312107-817	SCREW, M4-0.7 X 6,SOCKET BUTTON HEAD CAP		
	1312530-007	WASHER, M4, HELICAL SPRING LOCK, SST		
	1684053-002	MOUNT,CABLE-TIE,ADHESIVE BACK		
	C00150	CABLE TIE,4 LG,BLACK		
	A5E32283063	CONTROL DRAWING, IS, SSSI COMM BARRIER		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
	A5E36191146	CONTROL DRAWING, IS, SSSI PWR BARRIER		
A5E40727148002	A5E03391211001	KIT, FIELD, SSSI PWR BARRIER, DIV2/ZN2, MAA		applies to A5E39142319002
	A5E31452847001	CONDUIT BOX ASSY, SSSI		
	1312601-005	SSSI IS COMMUNICATION BARRIER		
	A5E02912187001	NUT, M5 WITH LOCKWASHER, ZINC PLATED		
	A5E3966982001	CABLE, NESSI IS BARRIER TO SIB		
	1312601-004	BRACKET, SSSI POWER BARRIER, MAA		
	A5E39224074001	NUT, M4 WITH LOCKWASHER, ZINC PLATED		
	A5E35956261002	CABLE, 24V POWER, PECM-SSSI PWR BARRIER		
	1212015-701	ASSEMBLY, SSSI POWER BARRIER, DIV2		
	1684053-002	TERMINAL BLOCK, END STOP, TYPE BAM		
	C00150	MOUNT, CABLE-TIE, ADHESIVE BACK		
	A5E32283063	CABLE TIE, 4 LG, BLACK		
	A5E36191146	CONTROL DRAWING, IS, SSSI COMM BARRIER		
	A5E36191146	CONTROL DRAWING, IS, SSSI PWR BARRIER		
6.7		SSSI Power Barrier Field Upgrade - Maxum Modular Oven (MMO)		
A5E40727809001	A5E03391211001	KIT, FIELD, SSSI PWR BARRIER, DIV1/ZN1, MMO		applies to A5E39839364001
	A5E31452847001	CONDUIT BOX ASSY, SSSI		
	1312601-004	SSSI IS COMMUNICATION BARRIER		
	A5E02912187002	NUT, M4 WITH LOCKWASHER, ZINC PLATED		
	A5E33004038001	CABLE, NESSI IS BARRIER TO SIB, 42"		
	A5E36987283	LABEL, CONDUIT BOX ASSEMBLY, SSSI		
	A5E36995087001	CABLE TIE, IDENTIFIER, FLAG TYPE, BLUE		
	A5E35956261001	LABEL, INTRINSICALLY SAFE CIRCUIT		
	A5E39224074002	ASSEMBLY, SSSI POWER BARRIER, I.S.		
	1312601-005	CABLE, 24V POWER, CIM-SSSI PWR BARRIER		
	A5E03785046004	NUT, M5 WITH LOCKWASHER, ZINC PLATED		
	1212015-701	CABLE, GROUND, IS POWER BARRIER		
	1312107-817	TERMINAL BLOCK, END STOP, TYPE BAM		
	1312530-007	SCREW, M4-0.7 X 6, SOCKET BUTTON HEAD CAP		
	1684053-002	WASHER, M4, HELICAL SPRING LOCK, SST		
	C00150	MOUNT, CABLE-TIE, ADHESIVE BACK		
	A5E32283063	CABLE TIE, 4 LG, BLACK		
	A5E36191146	CONTROL DRAWING, IS, SSSI COMM BARRIER		
	A5E36191146	CONTROL DRAWING, IS, SSSI PWR BARRIER		
A5E40727809002	A5E03391211001	KIT, FIELD, SSSI PWR BARRIER, DIV2/ZN2, MMO		applies to A5E39839364002
	A5E31452847001	CONDUIT BOX ASSY, SSSI		
	1312601-004	SSSI IS COMMUNICATION BARRIER		
	A5E02912187002	NUT, M4 WITH LOCKWASHER, ZINC PLATED		
	A5E35956261002	CABLE, NESSI IS BARRIER TO SIB, 42"		
	A5E39224074002	ASSEMBLY, SSSI POWER BARRIER, DIV2		
	1212015-701	CABLE, 24V POWER, CIM-SSSI PWR BARRIER		
	1684053-002	TERMINAL BLOCK, END STOP, TYPE BAM		
	C00150	MOUNT, CABLE-TIE, ADHESIVE BACK		
	A5E32283063	CABLE TIE, 4 LG, BLACK		
	A5E36191146	CONTROL DRAWING, IS, SSSI COMM BARRIER		
	A5E36191146	CONTROL DRAWING, IS, SSSI PWR BARRIER		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
7				
2020165-001		US2: 2020165-001		Maxum 1 or II (s)
	2015950-001	EPC Module Complete with Manifold and Seals		
	1291510-004	^ Install package, EPC module, with gaskets		
	1291509-003	^ Fitting, ferrule, 1/16T, vespel / graphite, Valco		
		^ Fitting, nut, 1/16T, stainless steel		
2020334-001		US2: 2020334-001		Maxum 1 or II
2020334-002		US2: 2020334-002		Maxum 1 or II
2020334-003		US2: 2020334-003		Maxum 1 or II
		Restrictor, Hydrogen coil, 210 cc/min		
		Restrictor, Hydrogen coil, 420 cc/min		
		Restrictor, Hydrogen, 420 cc/min		
		(For interconnect and 12C ID cables, please see Wiring and Cables section		
2015943-001		US2: 2015943-001		
2015951-001		< NN1 >		
2017119-001		US2: 2017119-001	2020165-001	
		COVER, ELECTRONIC PRESSURE CONTROL		
		MODULE, EPC W/MANIFOLD		
		NAMEPLATE, HYDROGEN FLOW RESTRICTOR		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
8 Solenoid Valve Control Module (SVCN), Solenoids and Needle Valves				
2015960-002	US2: 2015960-002	SVCN Controller Board, Ver. 2 (Electronics only)		Maxum 1 or II
2020166-001	US2: 2020166-001	Solenoid Valve Control Module with o-rings (no electronics)		All Maxum
1672013-001		^ Valve assembly		
1531006-002		^ O-ring, size 006, Buna-N		
1531006-003		^ O-ring, size 008, Buna-N		
1672102-001		^ SVCN short cable, solenoids to original SVCN ctrlr board		
2021181-001	US2: 2021181-001	COVER, SVCN, AIR BATH		
2021569-804	< NN1 >	KIT, SVCN,OBS, REFER TO 2022022-001		
2021570-803	< NN1 >	KIT, SVCN #3, OBS REFER TO 2022023-001		
2022022-001	US2: 2022022-001	KIT, SVCN2, DUAL, PRES, 3WAY FR, 4WAY MIN, KSE		
2022023-001	US2: 2022023-001	KIT, SVCN3, DUAL, PRES, 3WAY MIN, 4WAY FR, KSE		
ASE36530052001	ASE36530052001	DBL VAPOR MODULE, 2M50 1NV, CUSTOM		When ordering, customer must
ASE36544121001	ASE36544121001	DBL VAPOR MODULE, 3M50 1NV, CUSTOM		When ordering, customer must
ASE36544096001	ASE36544096001	DBL VAPOR MODULE, 3M50 2NV, CUSTOM		When ordering, customer must
8.1 SMC Solenoid Parts and Maxum 2 Tubing Manifolds				
2022021-001	US2: 2022021-001	Solenoid Valve Replacement Kit (SMC)		Maxum 1 or II
1672100-001		^ Valve, 4-way, with gasket and screws, SMC		
1672102-001		^ SVCN short cable, solenoids to original SVCN ctrlr board		
2021823-001		^ Cable, PECM-2 to Solenoid Valve, 1000 mm, SMC		
2021823-002		^ Cable, PECM-2 to Solenoid Valve, 500 mm, SMC		
1291009-060		^ Fitting, elbow, 1/8 Tx1/16 MP, push-in, (SVCN kit)		
1672100-001	US2: 1672100-001	Valve gas Solenoid (SMC)		Maxum 1 or II
1672101-001	US2: 1672101-001	Gasket for mounting solenoid (SMC) to SVCN manifold		Maxum 1 or II
2022024-001	US2: 2022024-001	Solenoid Valve Tubing Manifold Replacement Kit, Maxum 2		Maxum 1 or II
2021185-001		^ Manifold, tubing, SVCN #3		
2021184-001		^ Manifold, tubing, SVCN #1 and #2, air bath		
2021152-001		^ Bracket, tube support, SVCN #3		
1312420-340		^ Screw, M5 x 12, socket head cap, Stainless Steel		
1312530-008		^ Washer, M5, helical spring lock, Stainless Steel		
2015946-002		^ Gasket, 1/16", neoprene for SVCN		
2015946-002	US2: 2015946-002	Gasket for SVCN tubing manifold; Maxum II		Maxum II
2021184-001	US2: 2021184-001	Tubing manifold for SVCN #1, #2; Maxum II		Maxum II
2021185-001	US2: 2021185-001	Tubing manifold for SVCN #3; Maxum II		Maxum II
8.2 Parker Solenoid Parts and Maxum 1 Tubing Manifolds				
2020149-001	US2: 2020149-001	Solenoid Valve Replacement Kit (Parker)		Maxum 1 or II
1672009-006		^ Valve, solenoid, (for SVCN) (Parker)		
1681011-018		^ Wiring harness (SVCN kit)		
1532500-006		^ Gasket, solenoid (SVCN kit) (Parker)		
1291009-060		^ Fitting, elbow, 1/8 Tx1/16 MP, push-in, (SVCN kit)		
1672009-006	US2: 1672009-006	Valve gas Solenoid (Parker)		Maxum 1 or II
1532500-006	US2: 1532500-006	Gasket for mounting solenoid (Parker) to SVCN manifold		Maxum 1 or II
2020174-001	US2: 2020174-001	Solenoid Valve Tubing Manifold Replacement Kit, Maxum 1		Maxum 1
2015964-001		^ Manifold, tubing, SVCN #3		
2015959-001		^ Manifold, tubing, SVCN #1 & #2		
2017772-001		^ Bracket, tube support, SVCN #3		
1312420-340		^ Screw, M5x12, socket head, stainless steel		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
	1312530-008	^ Washer, M5, helical spring lock, stainless steel		
2015959-001	US2: 2015959-001	Tubing manifold for SVCN #1, #2; Maxum 1		Maxum 1
2015964-001	US2: 2015964-001	Tubing manifold for SVCN #3; Maxum 1		Maxum 1
2015946-001	US2: 2015946-001	Gasket for SVCN tubing manifold; Maxum		Maxum 1
	8.3	Other Related Cables, Oven Valves and Solenoids		
1672102-001	US2: 1672102-001	SVCN short cable, solenoids to original SVCN ctrl board		Maxum 1 or II
2021823-001	US2: 2021823-001	Cable, PECM-2 to Solenoid Valve, 1000 mm, SMC		Maxum 1 or II
2021823-002	US2: 2021823-002	Cable, PECM-2 to Solenoid Valve, 500 mm, SMC		Maxum 1 or II
1671004-103	US2: 1671004-103	Valve, Veriflow air actuated, diaphragm (Sample Off)		Maxum 1 or II
1671004-104	US2: 1671004-104	Valve, FID Air Diverter (for auto-ignite)		Maxum 1 or II
1671003-058	US2: 1671003-058	Valve, Nupro fine metering, stainless steel		Maxum 1 or II (s)
2022001-001	US2: 2022001-001	Valve, Siemens fine metering, stainless steel, kit		Maxum 1 or II (s)
		(For interconnect and I2C ID cables, please see Wiring and Cables section		
2017772-001	US2: 2017772-001	BRACKET, TUBE SUPPORT, SVCN #3		
2021152-001	US2: 2021152-001	BRACKET, TUBE SUPPORT SVCN #3		
A6X30075861	< NN1 >	ASPIRATOR,SVCN VENTS,.31SCFM AIR,27.5HG		Used with Model 50 valve apps
F32808	< NN1 >	FTG,CONN,FEM,1/4T X 1/8F,SST		Used with Model 50 valve apps
1465002-025	< NN1 >	GAUGE, 0-100PSI,1 1/2DIA,1/8"NPT BACK MT		Used with Model 50 valve apps
2021708-001	< NN1 >	BRACKET, REGULATOR, APU		Used with Model 50 valve apps
A6X30112402		VALVE,SSO,NC,316SS,PEEK,1/8"IN,1/16"OUT		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
9 Wiring Distribution Board (WDB) and parts				
2017580-001	US2: 2017580-001	Wiring Distribution Board	ASE02652008001	Maxum 1 or II
2017580-801	< NN1 >	Wiring Distribution Board	ASE02652008001	Maxum 1 or II
2021928-001	< NN1 >	WDB+T assembly, including T.P. hub, (ROHS managed)	None	Consult factory for detail.
2021928-002	< NN1 >	WDB+T assembly, without T.P. hub, (ROHS managed)	ASE02652008001	
ASE02652008001	ASE02652008001	Wiring Dist. Board (WDB+T) replacement kit, without T.P. hub		
2021928-002		PCBA, ASSY WDB+T, NON-HUB, (ROHS MANAGED)		
2021756-001		CABLE, MODULE ID #1 PLUG		
2021756-002		CABLE, MODULE ID #2 PLUG		
2021756-003		CABLE, MODULE ID #3 PLUG		
2020150-001	< NN1 >	Set point resistor kit	Consult factory	Use specific set point resistor boards
2017522-002	< NN1 >	Temp. Set Point Res. Bd. 12.4 kohm	2021715-005	Dual replaced by 2 sngl charl boards
2017522-003	< NN1 >	Temp. Set Point Res. Bd. 13.0 kohm	2021715-008	Dual replaced by 2 sngl charl boards
2017522-004	< NN1 >	Temp. Set Point Res. Bd. 14.0 kohm	2021716-003	Dual replaced by 2 sngl charl boards
2017522-005	< NN1 >	Temp. Set Point Res. Bd. 14.3 kohm, air bath heater T4 (135 C)	2021716-004	Dual replaced by 2 sngl charl boards
2017522-006	< NN1 >	Temp. Set Point Res. Bd. 15.4 kohm	2021716-005	Dual replaced by 2 sngl charl boards
2017522-007	< NN1 >	Temp. Set Point Res. Bd. 15.6 kohm	2021717-001	Dual replaced by 2 sngl charl boards
2017522-008	< NN1 >	Temp. Set Point Res. Bd. 16.2 kohm	2021717-005	Dual replaced by 2 sngl charl boards
2017522-009	< NN1 >	Temp. Set Point Res. Bd. 16.9 kohm, air bath heater T3 (200 C)	2021717-009	Dual replaced by 2 sngl charl boards
2017522-010	< NN1 >	Temp. Set Point Res. Bd. 17.4 kohm	2021717-010	Dual replaced by 2 sngl charl boards
2017522-011	< NN1 >	Temp. Set Point Res. Bd. 17.8 kohm	2021718-001	Dual replaced by 2 sngl charl boards
2017522-012	< NN1 >	Temp. Set Point Res. Bd. 18.7 kohm	2021718-005	Dual replaced by 2 sngl charl boards
2017522-013	< NN1 >	Temp. Set Point Res. Bd. 19.6 kohm, air bath heater T2A (280 C)	2021718-009	Dual replaced by 2 sngl charl boards
2017522-014	< NN1 >	Temp. Set Point Res. Bd. 20.5 kohm, air bath heater T2 (300 C)	2021719-001	Dual replaced by 2 sngl charl boards
2017522-015	< NN1 >	Temp. Set Point Res. Bd. 26.1 kohm, air bath heater T1 (450 C)	2021719-002	Dual replaced by 2 sngl charl boards
2017522-016	< NN1 >	Temp. Set Point Res. Bd. 26.1 kohm / 16.9 kohm	2021719-002 plus 2021717-009	Dual replaced by 2 sngl charl boards
X017522-00F	< NN1 >	Temp. Set Point Res. Bd. User-specified, custom sizing	Consult factory	Use specific set point resistor boards
2021715-001	US2: 2021715-001	Temp. Set Point Res. Bd; single-channel; 11.5 kohm		Maxum 1 or II
2021715-005	US2: 2021715-005	Temp. Set Point Res. Bd; single-channel; 12.4 kohm		Maxum 1 or II
2021715-008	US2: 2021715-008	Temp. Set Point Res. Bd; single-channel; 13.0 kohm		Maxum 1 or II
2021715-009	US2: 2021715-009	Temp. Set Point Res. Bd; single-channel; 13.3 kohm		Maxum 1 or II
2021715-010	US2: 2021715-010	Temp. Set Point Res. Bd; single-channel; 13.4 kohm		Maxum 1 or II
2021716-001	US2: 2021716-001	Temp. Set Point Res. Bd; single-channel; 13.5 kohm		Maxum 1 or II
2021716-003	US2: 2021716-003	Temp. Set Point Res. Bd; single-channel; 14.0 kohm		Maxum 1 or II
2021716-004	US2: 2021716-004	Temp. Set Point Res. Bd; single-channel; 14.3 kohm		Maxum 1 or II
2021716-005	US2: 2021716-005	Temp. Set Point Res. Bd; single-channel; 14.5 kohm		Maxum 1 or II
2021716-007	US2: 2021716-007	Temp. Set Point Res. Bd; single-channel; 14.7 kohm		Maxum 1 or II
2021716-008	US2: 2021716-008	Temp. Set Point Res. Bd; single-channel; 15.1 kohm		Maxum 1 or II
2021716-010	US2: 2021716-010	Temp. Set Point Res. Bd; single-channel; 15.4 kohm		Maxum 1 or II
2021717-001	US2: 2021717-001	Temp. Set Point Res. Bd; single-channel; 15.6 kohm		Maxum 1 or II
2021717-003	US2: 2021717-003	Temp. Set Point Res. Bd; single-channel; 15.8 kohm		Maxum 1 or II
2021717-005	US2: 2021717-005	Temp. Set Point Res. Bd; single-channel; 16.2 kohm		Maxum 1 or II
2021717-006	US2: 2021717-006	Temp. Set Point Res. Bd; single-channel; 16.4 kohm		Maxum 1 or II
2021717-007	US2: 2021717-007	Temp. Set Point Res. Bd; single-channel; 16.5 kohm		Maxum 1 or II
2021717-008	US2: 2021717-008	Temp. Set Point Res. Bd; single-channel; 16.8 kohm		Maxum 1 or II
2021717-009	US2: 2021717-009	Temp. Set Point Res. Bd; single-channel; 16.9 kohm		Maxum 1 or II
2021717-010	US2: 2021717-010	Temp. Set Point Res. Bd; single-channel; 17.4 kohm		Maxum 1 or II
2021718-001	US2: 2021718-001	Temp. Set Point Res. Bd; single-channel; 17.8 kohm		Maxum 1 or II
2021718-002	US2: 2021718-002	Temp. Set Point Res. Bd; single-channel; 18.0 kohm		Maxum 1 or II
2021718-005	US2: 2021718-005	Temp. Set Point Res. Bd; single-channel; 18.7 kohm		Maxum 1 or II
2021718-006	US2: 2021718-006	Temp. Set Point Res. Bd; single-channel; 18.8 kohm		Maxum 1 or II
2021718-008	US2: 2021718-008	Temp. Set Point Res. Bd; single-channel; 19.5 kohm		Maxum 1 or II
2021718-009	US2: 2021718-009	Temp. Set Point Res. Bd; single-channel; 19.6 kohm		Maxum 1 or II

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
2021718-010	US2:2021718-010	Temp. Set Point Res. Bd; single-channel; 20.0 kohm		Maxum 1 or II
2021719-001	US2:2021719-001	Temp. Set Point Res. Bd; single-channel; 20.5 kohm		Maxum 1 or II
2021719-002	US2:2021719-002	Temp. Set Point Res. Bd; single-channel; 26.1 kohm		Maxum 1 or II
2021719-003	US2:2021719-003	Temp. Set Point Res. Bd; single-channel; 14.2 kohm		Maxum 1 or II
2021719-004	US2:2021719-004	Temp. Set Point Res. Bd; single-channel; 24.6 kohm		Maxum 1 or II
2020158-001	US2:2020158-001	Internal Ethernet Cable Kit		Maxum 1 or II
	2017912-001	^ Mini-coax Ethernet Cable - short		
	2017912-002	^ Mini-coax Ethernet Cable - long		
	1681011-014	^ Cable, 10 Base-2, 2ft, 90 degree BNC-90degree BNC		
	1220003-013	^ Coax Tee		
	1220003-014	^ Coax Terminator		
	1681003-007	^ Cable, 4 twisted pair, PVC, cross-pinning		
	1681011-022	^ Cable, 10BaseT cross-over, 6 in (15cm)		
	2020947-001	^ Cable, DataNET ANCB to potted fiber optics		
2017912-001	US2:2017912-001	Mini-coax Ethernet Cable - short		Maxum 1 or II
2017912-002	US2:2017912-002	Mini-coax Ethernet Cable - long		Maxum 1 or II
1681011-023	US2:1681011-023	Cable, 10Base-T cross-over 5 feet long		Maxum 1 or II
(For interconnect and I2C ID cables, please see Wiring and Cables section				

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
10	Purge Control Module (PCM) and Cooling Fan			
2017792-001	US2:2017792-001	Purge Control Assembly Module (Maxum I)		Maxum I
2017792-002	US2:2017792-002	Purge Control Module (Maxum II)		Maxum II
2017792-003	US2:2017792-003	Purge Control Module, without SVCN air lines (Maxum II)		Maxum II
1605001-007	US2:1605001-007	Pressure Switch, 1A SPDT, 1/8-27NPT male		Maxum I or II
1262000-035	US2:1262000-035	Fan, 24vdc, 0.26amp, modified		Maxum I or II

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
11 Advance Plus				
1262000-036	US2:1262000-036	Fan, 5 Vdc, 0.24A, with modifications for Advance Plus		Network products
2017907-001	US2:2017907-001	Switch, assembly, SYSCON reset		Maxum 1 or II
2017585-001	US2:2017585-001	Advance Plus SNE to Optichrom adapter board	Item may have export hold	Network products
2017983-001	US2:2017983-001	Power Supply Cable, from Optichrom PS to Advance Plus Door		Network products
2017966-001	US2:2017966-001	SYSCON meowmory, SIMM, 8mb flash / 4meg RAM	Multiple parts and kit;	Contact factory for information
2017986-001	US2:2017986-001	EMC Shield		Network products
2020140-001	US2:2020140-001	Advance Plus MMI to SYSCON Cables		Network products
2017949-001		^ Cable, MMI to SYSCON, Advance Plus		
1684053-007		^ Clamp, flat cable L3 X W2 PVC RMS-04		
2020141-001	US2:2020141-001	Advance Plus system cable kit		Network products
1700281-001		^ Connector, 12 pin, SYSCON circuit board		
2017982-001		^ Cable, SYSCON / SNECON adapter		
2017947-001		^ Cable, SYSCON power, Advance Plus		
2017948-001		^ Cable, SYSCON purge, Advance Plus		
2017912-001		^ Cable, Advance Plus mini-Ethernet		
2017506-001		^ Cable, 12C DPM #1		
2017970-001		^ Cable, Ground strap, Advance Plus door		
1681011-022		^ Cable, 10-Base-T crossover, 6 inch		
1220003-013		^ Connector, BNC, Tee, F-F-M		
1220003-014		^ Connector, BNC, 50 Ohm terminator		
1681000-009		^ Cable, 10-Base-2, 10', 90 degree BNC / 90 degree BNC		
2017979-001		^ Cable, Data Hiway, short, Advance Plus door		
1218001-016		^ Connector, 6 position, Phoenix Combicon plug		
2020142-001	US2:2020142-001	Advance Plus Ethernet bracket assembly (without board)		Network products
2017952-001		^ Bracket, Ethernet		
1313017-613		^ Standoff, 1 1/4" x 6-32, stainless steel		
H11652		^ Washer, SPR LK, #6 x .245 x .031, stainless steel		
1312092-606		^ Screw, 6-32 x 3/8, socket head, stainless steel		
2017534-001		^ Circuit Board, ISA extender		
1312092-403		^ Screw, 4-40 x 3/16, socket head, stainless steel		
1312422-060		^ Screw, 6-32 x 1/4 socket head cap, stainless steel		
1312092-013		^ Screw, 4-40 x 3/16", nylon, pan head		
2020143-001	US2:2020143-001	Advance Plus ANCB bracket assembly w/o board or adapter)		Network products
H11652		^ Washer, spring lock, #6 x .245 x .031, stainless steel		
1312092-606		^ Screw, 6-32 x 3/8, socket head, stainless steel		
1312092-403		^ Screw, 4-40 x 3/16, socket head, stainless steel		
2015864-001		^ Bracket, communication - top		
2015865-001		^ Bracket, communication - bottom		
2017536-001		^ Circuit Board, PCI extender		
2020392-701	US2:2020392-701	Kit, RS-232/485 cable, Advance Plus		Network products
2017923-002		^ Cable, RS-232-485 extensions, Advance, Plus		
1684050-002		^ Clamp, cable, C-type, adhesive backed		
2017906-002	US2:2017906-002	CABLE, ADVANCE PLUS SYSCON DEBUG-LONG		
2017949-001	US2:2017949-001	CABLE, MMI TO SYSCON, ADVANCED PLUS		
2021119-001	US2:2021119-001	Cable, Advance Plus SNECON Debug		Maxum 1 or 2

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
12 Automatic Purge Control Units (APU)				
12.1 Expo APU for Original Maxum				
A5E33416595	A5E33416595	Replacement Expo Controller Assembly Kit		Expo: D46SK99 (includes: D46SK1;
A5E33416596	A5E33416596	Replacement Expo Regulating Valve Assembly		Expo: D46SK2
A5E33416597	A5E33416597	Replacement Expo Purge Inlet Valve Assembly		
A5E33416594	A5E33416594	Override Key Switch		Maxum 1
1422000-006	US2:1422000-006	Indicator, alarm - pressurized (APU) (Red/Green)		Maxum 1
1422000-007	US2:1422000-007	Indicator, purge (APU) (Black/Amber)		Maxum 1
1460700-002	US2:1460700-002	Pneumatic OR-gate (APU)		Maxum 1
1460700-003	US2:1460700-003	Pneumatic YES-gate (APU)		Maxum 1
1333011-004	US2:1333011-004	Limit switch, EEx-d with cable (APU)		Maxum 1
2020264-001	US2:2020264-001	CE Installation Kit		Maxum 1
2015729-001		^ EMI grounded cable fitting kit, 1/2" conduit		
1263000-011		^ Filter, ferrite, split core, round cable, 31MTL		
1183200-003		^ Coupler, RJ-45 (8x8), Screened, shielded		
2020261-001		^ Coupler plate, gateway		
1173000-013		^ Filter, ferrite, split core for round cable		
1681011-021		^ Cable,10baseT, Category 5, shielded, 2ft, RJ-45, M-M		
2017984-001		^ Housing, Ethernet EMC		
2017985-001		^ Cover, Ethernet EMC		
1312530-006		^ Washer, M3, helical spring lock, stainless steel		
1312420-332		^ Screw, M3x 6, socket head cap, stainless steel		
For Disconnecter units and relays, See Gonnheimer section below.				
1226011-002	US2:1226011-002	MODULE, D46 PURGE CONTROL	A5E33416595	
1443000-003	US2:1443000-003	PURGE SYSTEM,PANEL MOUNT,EXPO	7MB80001AA	No replacement. Consult factory.
1461000-024	US2:1461000-024	Regulator, R06, 0-7 bar (APU)	A5E33416596	Maxum 1
1255001-032	US2:1255001-032	Timer restrictor (APU)	A5E33416595	Maxum 1
1255001-033	US2:1255001-033	Flow sensor (APU)	A5E33416595	Maxum 1
1255001-034	US2:1255001-034	Minimum pressure sensor (APU)	A5E33416595	Maxum 1
1672009-007	US2:1672009-007	Timer valve (APU)	A5E33416595	Maxum 1
1282001-010	US2:1282001-010	In-line filter (APU)	A5E33416595	Maxum 1
1672009-008	US2:1672009-008	Non-return valve (APU)	A5E33416595	Maxum 1
12.2 Gonnheimer APU for Maxum II				
1226011-005	US2:1226011-005	APU, 115 vac, without enclosure	A5E00159400	Older US2- part number format to be
A5E00159400	A5E00159400	APU, 115 vac, without enclosure	US2-1226011-005	Older US2- part number format to be
1302002-005	US2:1302002-005	Fuse, EX, 115 vac, 315MA		Maxum II
1226011-006	US2:1226011-006	APU, 230 vac, without enclosure	A5E00159401	Older US2- part number format to be
A5E00159401	A5E00159401	APU, 230 vac, without enclosure	US2-1226011-006	Older US2- part number format to be
1302002-006	US2:1302002-006	Fuse, EX, 230 vac, 200MA		Maxum II
2021396-001	US2:2021396-001	Switch, APU cable / Switch / LED		Maxum II
1226011-007	US2:1226011-007	Disconnecter unit, 8 Relays, 110-230 vac		Maxum II (s)
1226011-008	US2:1226011-008	Disconnecter unit, 16 Relays, 110-230 vac		Maxum II (s)
1517000-004	US2:1517000-004	Relay, module EEx-me, 4-pole NO (Power)		Maxum 1 or II
1517000-003	US2:1517000-003	Relay, module EEx-me, 8-pole NO (Signal)		Maxum 1 or II (s)
2021707-002	US2:2021707-002	High pressure regulator assembly for Gonnheimer APU		Maxum II
2020120-001	US2:2020120-001	KIT, APU, proportional valve 115 volt		Maxum II
2021399-001		^ Cable, 115 V proportional valve modified		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
	1291002-004	^ Fitting, male elbow 3/8 T X 1/4 S-ISO male		
	1312530-015	^ Washer, Teflon .75 OD X .525 ID X .031		
	2021645-001	^ Plate, proportional valve		
	2021646-001	^ Gasket, proportional valve Plate		
2020120-002	US2:2020120-002	KIT, APU, proportional valve 230V		Maxum II
	2021399-002	^ Cable, 230 V proportional valve modified		
	1291002-004	^ Fitting, male elbow 3/8 T X 1/4 S-ISO male		
	1312530-015	^ Washer, Teflon .75 OD X .525 ID X .031		
	2021645-001	^ Plate, proportional valve		
	2021646-001	^ Gasket, proportional valve Plate		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
13	Gonnheimer APU for Modular Oven			
A5E37938925001	A5E37938925001	CONTROLLER, PURGE, 27mBAR, 120VAC		Applies to A5E03676623006
A5E35108622001	A5E35108622001	CABLE, PROPORTIONAL VALVE MOD, 120 VAC		Applies to A5E03676623006
A5E02264595	A5E02264595	FUSE, EX, 160MA		Applies to A5E03676623006
A5E37938925002	A5E37938925002	CONTROLLER, PURGE, 27mBAR, 230VAC		Applies to A5E03676623007
A5E35108622002	A5E35108622002	CABLE, PROPORTIONAL VALVE MOD, 230 VAC		Applies to A5E03676623007
A5E02238229	A5E02238229	FUSE, EX, 100MA		Applies to A5E03676623007
A5E34166663	A5E34166663	CONTROLLER, PURGE, 27mBAR, 24VDC		Applies to A5E03676623005
A5E35108622003	A5E35108622003	CABLE, PROPORTIONAL VALVE MOD, 24VDC		Applies to A5E03676623005
A5E35141395	A5E35141395	FUSE, EX, 630MA		Applies to A5E03676623005
A5E35141032001	A5E35141032001	CABLE, HARNESS, SWITCH ASSEMBLY		Applies to A5E03676623005, 006,
A5E35139911001	A5E35139911001	MOUNTING PLATE, EXTERNAL RELAYS		optional for all
1226011-007	1226011-007	Disconnecter unit, 8 Relays, 110-230 vac		optional for all
1226011-008	1226011-008	Disconnecter unit, 16 Relays, 110-230 vac		optional for all
A5E35772484	A5E35772484	RELAY, DIN RAIL MOUNTED, APU		Applies to A5E03676623005, 006,
A5E03896485004	A5E03896485004	REGULATOR ASSEMBLY, APU		Applies to A5E03676623005, 006,
A5E37938850001	A5E37938850001	KIT, DIN RAIL, MODULAR OVEN POWER RELAY		Applies to A5E03676623005, 006,
	A5E32121899003	^ BRACKET,DIN RAIL,35MM X 7.5MM X 200MM LG		
	1312601-004	^ NUT, M4 WITH LOCKWASHER, ZINC PLATED		
A5E37938921001	A5E37938921001	KIT, APU, 120VAC PROPORTIONAL VALVE, MMO		Applies to A5E03676623006
	A5E35108622001	^ CABLE, PROPORTIONAL VALVE MOD, 120VAC		
	1291002-004	^ FTG, MALE ELBOW 3/8T X 1/4 S-ISO MALE		
	1312530-015	^ WASHER, TEFLON, 3/4" OD X .525 ID X .031		
	2021647-005	^ TUBE, AIR, APU, MODULAR		
	H11516	^ WASHER, EXT T, 9/16 X .890 X .040, SST		
	1291022-166	^ FTG. ELBOW, UNION, 3/8 T, SST		
	T85520	^ TBG, NYLON, .375 OD X .275 ID, BLACK		
A5E37938921002	A5E37938921002	KIT, APU, 240VAC PROPORTIONAL VALVE, MMO		Applies to A5E03676623007
	A5E35108622002	^ CABLE, PROPORTIONAL VALVE MOD, 240VAC		
	1291002-004	^ FTG, MALE ELBOW 3/8T X 1/4 S-ISO MALE		
	1312530-015	^ WASHER, TEFLON, 3/4" OD X .525 ID X .031		
	2021647-005	^ TUBE, AIR, APU, MODULAR		
	H11516	^ WASHER, EXT T, 9/16 X .890 X .040, SST		
	1291022-166	^ FTG. ELBOW, UNION, 3/8 T, SST		
	T85520	^ TBG, NYLON, .375 OD X .275 ID, BLACK		
A5E37938921003	A5E37938921003	KIT, APU, 24VDC PROPORTIONAL VALVE, MMO		Applies to A5E03676623005
	A5E35108622003	^ CABLE, PROPORTIONAL VALVE MOD, 24VDC		
	1291002-004	^ FTG, MALE ELBOW 3/8T X 1/4 S-ISO MALE		
	1312530-015	^ WASHER, TEFLON, 3/4" OD X .525 ID X .031		
	2021647-005	^ TUBE, AIR, APU, MODULAR		
	H11516	^ WASHER, EXT T, 9/16 X .890 X .040, SST		
	1291022-166	^ FTG. ELBOW, UNION, 3/8 T, SST		
	T85520	^ TBG, NYLON, .375 OD X .275 ID, BLACK		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
14 Oven EntryFeed Through (OEFT)				
	< NN1 >	Universal detector Feed-Through	Consult factory	Use version specific for detector
	US2:2015966-005	Module, Feed-Thru, original version but no AC for FID heater		Maxum 1
2015966-002	US2:2015966-002	Feed-thru; Version 2; used for TCD only		Maxum 1
2015966-003	US2:2015966-003	Feed-thru; Version 2; used for FID without heater		Maxum 1
2015966-004	US2:2015966-004	Feed-thru; Version 2; used for FID with heater		Maxum 1
2021600-001	US2:2021600-001	Module, special version for FID in high-temperature oven		Maxum 1
2020103-701	US2:2020103-701	Feed-thru assembly; replacement kit, TCD applications		Maxum 1
	2015966-002	Feed-thru; Version 2; used for TCD only		
	2021274-001	Signal Cable Detector side		
	2020910-001	Adapter		
2020104-701	US2:2020104-701	Feed-thru assembly; replacement kit, FID appns below 160 C		Maxum 1
	2015966-003	Feed-thru; Version 2; used for FID without heater		
	2020910-001	Adapter		
	2021271-001	Signal Cable Detector side		
	2021273-001	Bias cable Detector side		
	2021275-001	Signal Cable electronics		
	2021279-001	Bias Cable Electronics		
	2017920-002	Thermocouple, FID II		
2020105-701	US2:2020105-701	Feed-thru ass'y; replacement kit, heated FID appns below 160 C		Maxum 1
	2015966-004	Feed-thru; Version 2; used for FID with heater		
	2020910-001	Adapter		
	2021271-001	Signal Cable Detector side		
	2021273-001	Bias cable Detector side		
	2021275-001	Signal Cable electronics		
	2021279-001	Bias Cable Electronics		
	2017920-002	Thermocouple, FID II		
	2017921-002	RTD Assembly		
	2017921-003	RTD Assembly		
	1901522-001	Contact, female		
	1688007-036	Jumper wire		
2020106-701	US2:2020106-701	Feed-thru ass'y; replacem't kit, unheated FID appns above 160 C		Maxum 1
	2021600-001	Module, special version for FID in high-temperature oven		
	2020910-001	Adapter		
	2021273-001	Bias cable Detector side		
	2021275-001	Signal Cable electronics		
	2021279-001	Bias Cable Electronics		
	2017920-002	Thermocouple, FID II		
1681011-013	US2:1681011-013	Cable, Flex, Laminated, 30 conductor, shielded		Maxum 1
2017596-001	US2:2017596-001	Cable, heater to sensor near module - short		Maxum 1 or II
2017596-002	US2:2017596-002	Cable, heater to sensor near module - long		Maxum 1
2017606-001	US2:2017606-001	Cable, Feed-thru to detector		Maxum 1
2017619-001	US2:2017619-001	Cable, FID signal		Maxum 1
2017619-002	US2:2017619-002	Cable, FID signal, no FID heater		Maxum 1
2017761-001	US2:2017761-001	Cable, FID, high voltage		Maxum 1
2017909-001	US2:2017909-001	Cable, temp. sense, DPM to OEFT, Channel 2		Maxum 1 or II
2017910-001	US2:2017910-001	Cable, FID Detector Personality Module to OEFT bias		Maxum 1
2017911-001	US2:2017911-001	Cable, FID Detector Personality Module to OEFT signal		Maxum 1
2017920-002	US2:2017920-002	Thermocouple, FID II		Maxum 1
2017990-001	US2:2017990-001	Cable from PECM to methanator, MAT, or SLIV		Maxum 1 or II
2020902-001	US2:2020902-001	Feed-thru Flex Cable (PCBA)		Maxum 1 or II
1901381-001	< NX4 >	CABLE, FLEX, LAMINATED, 30COND, 6IN, SHIELDED		Maxum 1 or II

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
2020910-001	US2:2020910-001	PCBA, OEFT adapter		Maxum 1
2021236-001	US2:2021236-001	Cable, FID, high voltage, FID2 / OEFT2		Maxum 1
2021237-001	US2:2021237-001	Cable, FID, signal, FID2 / OEFT2		Maxum 1
2021271-001	US2:2021271-001	Cable, FID, signal, FID1/OEFT2		Maxum 1
2021273-001	US2:2021273-001	Cable, FID, High Voltage, FID1 / OEFT2		Maxum 1
2021274-001	US2:2021274-001	Cable, TC detector to TCD / OEFT2		Maxum 1
2021275-001	US2:2021275-001	Cable, electrometer, signal, SMA, DPM2 / OEFT2		Maxum 1
2021276-001	US2:2021276-001	Cable, ignition, DPM, glow plug		Maxum 1
2021277-001	US2:2021277-001	Cable, high voltage, DPM2 / OEFT2		Maxum 1
2021278-001	US2:2021278-001	Cable, high voltage, DPM2 / OEFT1		Maxum 1
2021279-001	US2:2021279-001	Cable, High Voltage, DPM1 / OEFT2		Maxum 1

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
15 Sensor Near Electronics (SNE)				
2020963-001	< NN1 >	Detector Personality Module, Base Board (Maxum II)	2022008-701	Obsolete
2020960-004	< NN1 >	DPM Mezzanine for FID; 1 nA single range	2020960-003	Obsolete
2020960-005	< NN1 >	DPM Mezzanine for FID; 20 nA single range	2020960-003	Obsolete
2017500-005	< NN1 >	Module, Assembly, Sensor Near Electronics, Ver. 3	2021753-001 + ASE02829199001	Replaced with updated electronics
2017501-006	US2: 2017501-006	SNECON Sensor Near Electronics Board, Version 3, w/o cage	ASE02829199001	Replaced with updated electronics
2021963-001	US2: 2021963-001	SNECON Sensor Near Electronics Board, Version 4, w/o cage	ASE02829199001	Replaced with updated electronics
2021963-002	US2: 2021963-002	SNECON Sensor Near Electronics Board, Version 4, without cage ; with mini-	ASE02829199001	Replaced with updated electronics
2021963-004	< NN1 >	SNECON Sensor Near Electronics Board, Version 4, without cage ; with T.P.	ASE02829199002	Replaced with updated electronics
2021753-001	US2: 2021753-001	Unshielded SNE Metal Housing		Maxum 1 or II or Adv. Plus
ASE02829199001	ASE02829199001	SNECON 5, with legacy 10Base2 mini-coax for internal bus		Primary usage with SYSCON+
1330001-069	US2: 1330001-069	16 Mbyte DRAM module for SNECON		Maxum 1 or II or Adv. Plus
ASE02829199002	ASE02829199002	SNECON 5, without legacy 10Base2 mini-coax for internal bus		Use with all SYSCON 2
2017973-001	< NN1 >	FID Personality Module (DPM) Board; 10 namp FS; Version 1	2022008-701 plus 2020960-003	Obsolete
2017973-002	< NN1 >	FID Personality Module (DPM) Board; Version 2	2022008-701 plus 2020960-003	Obsolete
2017973-003	< NN1 >	FID Personality Module (DPM) Board; 0.2 namp Full Scale	2022008-701 plus 2020960-001	Obsolete
2017974-801	< NN1 >	TCD Personality Board Ver. 2	2021232-001	Obsolete
2021797-001	US2: 2021797-001	TCD Personality Module with Shield / Connector Board with TC		Part number is board only. For
2021797-002	US2: 2021797-002	TCD Personality Module with Shield / Connector Board without TC		Item is same amplifier as -001
2021232-001	US2: 2021232-001	TCD Personality Module (DPM) Board (Version 3)		Universal TCD DPM replacement kit;
	2021797-001	^ T Detector Personality Module with shield, with Temp. Ctrl		
	2020910-001	^ Feed-through cable adapter		
	1901381-001	^ Cable, flex, laminated, 30 conducto, 6inch, shielded		
	2020902-001	^ Feed-through flex cable adapter		
	2017959-001	^ Heater termination plug		
	2017596-001	^ Cable, Heater / Sensor Near		
2022008-701	US2: 2022008-701	Detector Personality Module, Base Assembly		Complete kit of base assembly for
	ASE02645925001	^ Base DPM with Shield / Connector Board		
	2017596-001	^ Heater / SNE cable (used with early versions of Maxum 2)		
	2021753-001	^ New style, reduced-size SNE metal housing		
	1312420-332	^ M3 x 6 screws, Socket Heat, Stainless Steel		
	1901381-001	^ Flex cable (old style feed through connectors, Maxum 1)		
	2020910-001	^ Flex cable adapter (to adapt old and new style Max 1)		
	2020902-001	^ Flex cable (new style feed through connectors, Maxum 1)		
	2021278-001	^ High Voltage Cable (used with original Feed-thru, Max 1)		
	2021277-001	^ High Voltage Cable (used with newer Feed-through, Max1)		
	2021276-001	^ Glow plug Adapter Cable (used with Maxum 2)		
	2017911-001	^ Signal cable (used with Maxum 1)		
	2021275-001	^ Signal cable (used with Maxum 2)		
2021796-001	US2: 2021796-001	Base DPM with Shield / Connector Board	ASE02645925001	Maxum 1 or II
2020960-003	US2: 2020960-003	DPM Mezzanine for FID; 1 nA / 20 nA dual range		Maxum 1 or II
2020960-001	US2: 2020960-001	DPM Mezzanine for FID; 200pa range (special, high sensitivity)		Maxum 1 or II
2021328-002	US2: 2021328-002	DPM Mezzanine for FID; 100nA / 1000nA dual high range		Maxum II
2021328-003	US2: 2021328-003	DPM Mezzanine for FPD; 100 nA single range; 0.18 Hz bandwidth		Maxum II
2021328-001	US2: 2021328-001	DPM Mezzanine for FPD; 100 nA single range		Maxum II
2021798-001	US2: 2021798-001	Filament Detector Personality Module with shield, connector board		Limited supply, M490.
2020988-002	US2: 2020988-002	Temperature Controller - Personality Module		Part contains ONLY temperature

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
1901614-001	US2:1901614-001	DPM Mezzanine plug, for Filament Detector only		Maxum II
2021344-001	US2:2021344-001	DPM connector board assembly		Maxum II
2021689-001	US2:2021689-001	DPM Ignition Cable extension		Maxum II
		(For interconnect and I2C ID cables, please see Wiring and Cables section		
2020988-001	US2:2020988-001	PCBA, TCD-DPM	2021232-001	Board w/o firmware; no field use
A5E02645925001	A5E02645925001	PCBA, BASE3 DPM		Maxum I & II
A5E02645925002	A5E02645925002	PCBA, BASE3 DPM, TEMPCON ONLY		Maxum I & II
2021232-801	< NN1 >	TCD DPM Spare Parts Kit	2021232-001	Obsolete part number convention

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
16				
Wiring and Cables				
(See also "Oven Entry Feed-Thru" section above.) (See also Solenoid Valve Control Module section.)				
2020148-001	US2: 2020148-001	Detector Cable Kit		Maxum 1
	2017909-001	^ Cable, temp. sense, DPM to OEFT, Channel 2		
	2017910-001	^ Cable, FID Detector Personality Module to OEFT bias		
	2017911-001	^ Cable, FID Detector Personality Module to OEFT signal		
	2017506-001	^ Cable, I2C Detector Personality Module #1		
	2017507-001	^ Cable, I2C Detector Personality Module #2		
	2017606-001	^ Cable, Feed-thru to Detector		
	2017619-001	^ Cable, FID signal		
	2017761-001	^ Cable, FID, high voltage		
	2017920-001	^ Assembly, Thermocouple, flame sense for FID		
	1631001-013	^ Insertion / Extraction pin and socket tool		
	1681011-013	Cable, Flex, Laminated, 30 conductor, shielded		
2020175-001	US2: 2020175-001	Detector Personality Module Installation Kit		Maxum 1 or II
	2017959-001	^ Plug, heater termination		
	2017596-001	^ Cable, heater to sensor near module - short		
	2017596-002	^ Cable, heater to sensor near - long		
	1312102-011	^ Screw, M3-0.5 x 8mm, button head, nylon, Phillips		
	1323000-001	^ Latch, Nylon, Mini-mounting button		
	2017964-001	^ Cable, I2C, SNE to TCD with ID-1		
	2017964-002	^ Cable, I2C, SNE to TCD with ID-2		
	2017964-003	^ Cable, I2C, SNE to TCD with ID-3		
2017920-001	US2: 2017920-001	Assembly, Thermocouple, flame sense for FID		Maxum 1
2021336-001	US2: 2021336-001	Cable, Assy, MI 4-Wire (Filament Detector)	A5E02039793001	Manufacturing obsolescence
2021336-801	< NN1 >	Cable, Assy, MI 4-Wire (Filament Detector)	A5E02039793001	Manufacturing obsolescence
A5E02039793001	A5E02039793001	Cable and seal assembly, 4-wire for 2 cell Filament Detector		Maxum II
2021694-001	US2: 2021694-001	FID Signal Cable (Maxum II)		Maxum II
2017964-001	US2: 2017964-001	Cable, I2C, SNE to TCD with ID-1	2021757-001 plus 2021756-001	Maxum 1 or II
2017964-002	US2: 2017964-002	Cable, I2C, SNE to TCD with ID-2		Maxum 1 or II
2017964-003	US2: 2017964-003	Cable, I2C, SNE to TCD with ID-3		Maxum 1 or II
A5E32015524001	A5E32015524001	7 Connector I2C Cable		
2021756-001	US2: 2021756-001	Cable, Module ID #1 Plug		Maxum II
2021756-002	US2: 2021756-002	Cable, Module ID #2 Plug		Maxum II
2021756-003	US2: 2021756-003	Cable, Module ID #3 Plug		Maxum II
2021756-004	US2: 2021756-004	Cable, Module ID #4 Plug		Maxum II
2021757-001	US2: 2021757-001	Cable, I2C Module		Maxum II
2021758-001	US2: 2021758-001	Cable, EPC I2C Module		Maxum II
2021759-001	US2: 2021759-001	Cable, Heater Control, 500mm		Maxum II
2021759-003	US2: 2021759-003	Cable, Heater Control, 1100mm		Maxum II
2017672-001	US2: 2017672-001	Cable, 4 Cell Filament Detector		Maxum II
2022003-001	US2: 2022003-001	Module ID cable # 21, Green		Maxum II
2022003-002	US2: 2022003-002	Module ID cable # 22, Blue		Maxum II
2022003-003	US2: 2022003-003	Module ID cable # 23, Violet		Maxum II
2022004-001	US2: 2022004-001	Module ID cable # 31, Gray		Maxum II
2022004-002	US2: 2022004-002	Module ID cable # 32, White		Maxum II
2022004-003	US2: 2022004-003	Module ID cable # 33, Black		Maxum II
2022005-001	US2: 2022005-001	Module ID cable # 41, White/Black		Maxum II
2022005-002	US2: 2022005-002	Module ID cable # 42, White/Red		Maxum II
2022005-003	US2: 2022005-003	Module ID cable # 43, White/Brown		Maxum II
2017506-001	US2: 2017506-001	CABLE, I2C DPM #1		Maxum II
2017506-002	US2: 2017506-002	CABLE, I2C, I/O		Maxum II

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
2021552-804	US2:2021552-804	KIT, CABLE - FUSES 230VAC		OBSOLETE 05/26/17 Maxum I & II
A5E30120887	A5E30120887	CONN, FEMALE, 36 POLES, 3.5MM PITCH		
1222012-007	< NN1 >	CONN, RECPTACLE, 3POS, 1X3, 25A,ST.MALE		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
17				
Detectors (General)				
17.1				
Thermal Conductivity Detector (TCD)				
2020168-001	US2: 2020168-001	TCD Block Assembly with Screws (original Maxum)		Maxum 1
2017601-002		^ Detector, thermistor, 4 cell		
1312420-343		^ Screw, M4x20, socket head, stainless steel		
2020169-001	US2: 2020169-001	TCD Element with Screws (original Maxum)		Maxum 1
A5E02209811		^ 30kohm Thermistor bead matched 2-board set (4 beads)		
1312421-070		^ Screw, M4x10, socket drive, button head		
1312530-007		^ Washer, M4, helical spring lock, stainless steel		
1312530-005		^ Washer, M4, flat, stainless steel		
1531000-028		^ O-ring, Oval X-SEC., 114"ID, Viton V0884-75		
2020163-001	US2: 2020163-001	TCD Insert Kit (flow diverters and inserts)	Obsolete part; limited availability	
B02173	US2: B02173	Flow diverter; use with thermistor beads		Maxum 1 or II
2000717-001	US2: 2000717-001	Low volume insert; use with low volume filaments		Maxum 1 or II
2000717-002	US2: 2000717-002	Low volume insert; use with low volume filaments		Maxum II
2021122-001	US2: 2021122-001	2-cell Filament Detector assembly complete (Maxum edition II)	2021335-001	
2021335-001		Detector, 2-Cell Block Assembly		
2020379-701	US2: 2020379-701	2-cell Filament Detector Repair Kit (Maxum edition II)		Maxum II
B02173		^ Insert, TCD-3 Thermistor Model 6 (2 pieces)		
1531000-028		^ O-ring, Oval X-SEC., 114"ID, Viton V0884-75		
2021016-001		^ 2-cell Filament Board		
1312530-005		^ Washer, M4, flat, stainless steel		
1312530-007		^ Washer, M4, helical spring lock, stainless steel		
1312421-070		^ Screw, M4X10, socket button head cap, stainless steel		
2021016-002	US2: 2021016-002	2-cell Filament Board; gold plated elements		Maxum II
2017673-001	US2: 2017673-001	4 cell filament detector assembly, complete		Maxum II
2017671-001	US2: 2017671-001	Filament Block	None, obsolete feature.	No direct replacement. Contact
2020176-001	US2: 2020176-001	TCD-2 Thermistor Bead Kit (Maxum edition II and Applet Modules)		Maxum II
A5E02219716001		^ 30kohm Thermistor bead matched 2-board set (4 beads)		
1312421-070		^ Screw, M4x10, socket button head cap, stainless steel		
1312530-007		^ Washer, M4, helical spring lock, stainless steel		
1312530-005		^ Washer, M4, flat, stainless steel		
1531000-028		^ O-ring, Oval X-SEC., 114"ID, Viton V0884-75		
2017639-001	US2: 2017639-001	Complete Assembly, 8-cell Thermistor Detector Block		Maxum II
A5E02209812	A5E02209812	Thermistor bead set, matched pair, 30Kohm, Double Dipped		
2017632-001	US2: 2017632-001	8 CELL TCD WITH DIVERTOR (50UL)	This part is not available. Part number 2017682-001, which is used to r	
2017633-001	US2: 2017633-001	DETECTOR BLOCK, 8 CELL, TCD 50UL		
2021172-001	US2: 2021172-001	COVER, DETECTOR W/O HOLES		
2021215-001	US2: 2021215-001	PLATE, OVEN COVER, DETECTOR		
2021363-002	US2: 2021363-002	COVER, OVEN FEEDTHRU, NO HOLE		
2021557-801	< NN1 >	KIT, 8-CELL, OBS, REFER TO 2022011-001		
A5E03467866001	A5E03467866001	THERMISTOR, DPM V3, NORMAL		I.S. DPM complete assembly;
A5E02645923001	A5E02645923001	PCBA, THERMISTOR DPM, ISTD3, NORMAL		
A5E03990623001	A5E03990623001	KIT, ISTD BEAD WIRE HARNESS (NON-FLOAT)		For Modular Oven
A5E03990623002	A5E03990623002	KIT, ISTD BEAD WIRE HARNESS (FLOAT)		For Modular Oven
A5E03467866002	A5E03467866002	TCD DPM ASSY, WITH BRACKET		
A5E36128806001	A5E36128806001	KIT, ISTD3 DPM UPGRADE, NO TEMPCON		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
A5E36128806002	A5E36128806002	KIT, ISTD3 DPM UPGRADE, TEMPCON		
17.2		Flame Ionization Detector (FID)		
2021651-001	US2: 2021651-001	FID 302A Assembly; with 0.25mm inlet tube; complete without heater (Maxum II)	2021651-002	Maxum II
2021651-002	US2: 2021651-002	FID 302A Assembly; with 0.38mm inlet tube; standard; complete without		Maxum II
2021651-003	US2: 2021651-003	FID 302A Assembly; with 0.38mm inlet tube; sulfur inert, complete without		Maxum II
2021266-001	US2: 2021266-001	Heater assembly for FID and FPD, 115vac	A5E36166755001	REPLACES 2021266-001
2021266-002	US2: 2021266-002	Heater assembly for FID and FPD, 230vac	A5E36166755002	REPLACES 2021266-002
2021266-003	US2: 2021266-003	Heater assembly for FID and FPD, 115vac (Maxum II)	A5E36166755003	REPLACES 2021266-003
2021266-004	US2: 2021266-004	Heater assembly for FID and FPD, 230vac (Maxum II)	A5E36166755004	REPLACES 2021266-004
A5E36166755001	A5E36166755001	KIT, FID, 115V, HEATER BLOCK		REPLACES 2021266-001
A5E36166755002	A5E36166755002	KIT, FID, 230V, HEATER BLOCK		REPLACES 2021266-002
A5E36166755003	A5E36166755003	KIT, FPD, 115V, HEATER BLOCK		REPLACES 2021266-003
A5336166755004	A5E36166755004	KIT, FPD, 230V, HEATER BLOCK		REPLACES 2021266-004
2021650-001	US2: 2021650-001	FID 302A Assembly, with 0.38" mm insert; complete with cover and heater;		Complete FID assembly except
2021650-002	US2: 2021650-002	ASSEMBLY, 302A, FID, 230V		Complete FID assembly except
2021650-003	US2: 2021650-003	302A, FID ASSY, MAXII-115V, TOTAL SULPHUR		Complete FID assembly except
2021665-001	US2: 2021665-001	Ignition module for FID (Maxum II) Not Saleable	2022073-001	Maxum II
2021388-003	US2: 2021388-003	FID Combustion Air Restrictor, Stainless Steel (Maxum II)		Maxum II
2021388-002	US2: 2021388-002	FID Admixed Air Restrictor, Stainless Steel (Maxum II)		Maxum II
2021388-001	US2: 2021388-001	FID Hydrogen Restrictor, Stainless Steel (Maxum II)		Maxum II
2021347-002	< NN1 >	FID 302A Flame arrestor assembly	2021347-005	Obsolete
2021347-004	US2: 2021347-004	FID 302A Flame arrestor assembly; 205 x .38 ID		Maxum II
2021347-005	US2: 2021347-005	FID 302A Flame arrestor assembly; 92.5 x .25 ID		Maxum II
2021347-006	US2: 2021347-006	FID 302A Flame arrestor assembly, sulfur inert; 205 x .38 ID		Maxum II
2021366-001	US2: 2021366-001	FID 302A Flame arrestor assembly, output (Maxum II)	2020133-001	Obsolete
1622001-020	US2: 1622001-020	RTD, Push-In Style for FID and methanator temperature sense (Maxum II)	A5E02143849002	Maxum II
A5E02143849002	A5E02143849002	RTD, Push-In style, 1" long, 0.188" OD		Maxum 2 detectors and other parts
1621004-015	< NN1 >	Heater cartridge for FID and FPD, 1", 115V	A5E01673207	Price not available
1621004-019	US2: 1621004-019	Heater cartridge for FID and FPD, 1", 115V	A5E01673207	Maxum II
1621004-017	US2: 1621004-017	Heater cartridge for FID and FPD, 1", 230V (Maxum II)	A5E01673208	Maxum II
1621004-008	US2: 1621004-008	Heater cartridge for FID, 1", 115V (Maxum 1)		Maxum 1
1621004-007	US2: 1621004-007	Heater cartridge for FID, 1", 230V (Maxum 1)	A5E01673208	Maxum 1
A5E01673207	A5E01673207	Heater cartridge for FID and FPD, 1", 120V, 80W, 450C Wire		Maxum II
A5E01673208	A5E01673208	Heater cartridge for FID and FPD, 1", 240V, 80W, 450C Wire		Maxum II
2020133-701	< NN1 >	CSA Flame Arrestor Kit	2020133-001	Price not available
2020133-001	US2: 2020133-001	CSA Flame Arrestor Kit		Maxum II
2021711-001		^ Bushing, FID Flame Arrestor		
1460006-001		^ Arrestor, Flame, FID Hastelloy-C		
1312502-119		^ Washer, Flat 0.720" OD x 0.535"ID x 0.040" Thk		
2021395-001		^ Seal, FID Teflon		
F04100	US2:F04100	FID Collector	None; obsolete analyzer.	For Maxum II, use part 2021722-
2021722-001	US2: 2021722-001	Collector for Model 302A FID		
2020195-701	US2: 2020195-701	Collector Kit for Model 302A FID		
2020387-701	US2: 2020387-701	Repair Kit, FID Seal (Maxum II)		Maxum II
2021391-001		^ Seal, Aluminum		
2021263-001		^ Gasket, FID/ HEATER		
2021395-001		^ Seal, FID Teflon		
2021394-001		^ Seal, FID Graphite, Large ID		
2021376-001		^ GASKET, FID PROTECTIVE PIPE		
2020388-701	US2: 2020388-701	Repair Kit, FID Filter (Maxum II)		Maxum II
2020389-701	US2: 2020389-701	Repair Kit, FID Quartz Jet (Maxum II)		Maxum II
2021385-001		^ Filter, FID		
1900200-001		^ Jet, FID, Quartz		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
	2021386-001	^ Retainer, FID Filter, Small		
	1901993-001	^ Ferrule, graphite, 3mm 1/8"		
	2021387-001	^ Retainer, FID Filter, Large		
	1901994-001	^ Ferrule, pressure, 3mm, 1/8"		
	1901995-001	^ Ferrule, outer		
	1901996-001	^ Nut, FID burner		
2017613-001	US2:2017613-001	Detector, FID, plus 2 cell 50 micro-liter TCD		Maxum 1
2017613-002	US2:2017613-002	Detector, FID, plus 2 cell 25 micro-liter TCD		Maxum 1
2017613-003	US2:2017613-003	Detector, FID, plus 2 cell 50 micro-liter TCD; heated		Maxum 1
2017613-004	US2:2017613-004	Detector, FID, plus 2 cell 25 micro-liter TCD; heated		Maxum 1
2020170-001	US2:2020170-001	FID Filament with Screws		Maxum 1
	1161000-009	^ PCBA, TCD, with filament elements		
	1312421-070	^ Screw, M4x10, socket drive, button head		
	1531000-028	^ O-ring, Oval X-SEC., 114"ID, Viton V0884-75		
1460001-030	US2:1460001-030	Flame Arrestor with o-ring, CSA conformance	1460006-001	Maxum 1 or II
1460006-001	US2:1460006-001	Arrestor, Flame, FID, Hastelloy-C		
2017941-001	< NN1 >	Flame Arrestor with o-ring, CENELEC conformance	2017941-002	Price not available.
2017941-002	US2:2017941-002	Flame Arrestor with o-ring, CENELEC conformance		Maxum 1 or II
2020159-001	US2:2020159-001	FID Repair Kit - Internal		Maxum 1
	1312530-006	^ Washer, M3, helical spring, lock		
	1312530-009	^ Washer, M3, flat		
	1312107-814	^ Screw, M3x8, glow plug		
	1700454-001	^ Glow plug		
	2017771-001	^ Connector, ferrule, glow plug		
	2017770-001	^ Connector, sleeve, glow plug		
	1291509-003	^ Nut, thermo-couple, 1/16", Valco		
	F35901	^ Fitting, front ferrule, 1/16"		
	F35701	^ Fitting, back ferrule, 1/16"		
	2017611-001	^ Collector		
	2017618-001	^ Screw, FID collector mounting		
	2017610-001	^ Mounting plate, FID Collector		
	2017609-001	^ Bushing, FID collector mount		
	1312601-007	^ Nut, M3		
	1531000-019	^ O-ring, burner chamber cover		
	O39006	^ O-ring, size 006, Viton, bushing internal		
	O39009	^ O-ring, size 009, Viton, bushing external		
	2017993-001	^ Baffle, ceramic, FID		
2020160-001	US2:2020160-001	FID Repair Kit - External		Maxum 1
	1531000-001	O-ring, Size 011, 0.301 ID, .070 diameter, Viton		
	2017767-001	FID Air Inlet		
	1460006-001	FID Flame Arrestor, Hastelloy-C		
	2020161-001	FID H2 Inlet assembly		
	1310030-001	Disc .250 diameter		
	1531000-022	O-ring, 112, ID 1/2, W 3/32, silicone		
2020162-001	US2:2020162-001	FID Heater Kit with Tool		Maxum 1
	2017921-001	^ RTD for FID block temperature control		
	2017922-001	^ Heater element for FID		
	1631001-013	^ Insertion and extraction pin and socket tool		
2022006-001	US2:2022006-001	FID collector centering tool		Maxum II
2022006-002	US2:2022006-002	FID collector leveling tool		Maxum II
1900195-001	< NX4 >	RESTRICTOR, HYDROGEN, SS	C79211A3023B2	PGC 302 part; obsolete since 2013-

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
1900197-001	< NX4 >	RESTRICTOR, ADMIXED AIR, SS	C79211A3023B3	PGC 302 part; obsolete since 2013-
1900198-001	< NX4 >	RESTRICTOR, COMBUSTION AIR, SS	C79211A3023B4	PGC 302 part; obsolete since 2013-
2017680-001	US2:2017680-001	ASSY, FILAMENT BLOCK		
2020194-001	US2:2020194-001	ARRESTOR, FLAME, FID, SULFINERT COATED		
2020197-001	US2:2020197-001	FTG,UNION,1/16T,SST,SULFINERT COATED		
2020202-001	US2:2020202-001	FTG,TEE, 1/16T X T X T, SULFINERTED		
2021281-005	US2:2021281-005	INSULATION, 302A FID COVER, TOP		
2021376-001	US2:2021376-001	GASKET, FID PROTECTIVE PIPE		
2021559-801	US2:2021559-801	KIT, 2-CELL FILAMENT DET.		OBSOLETE 05/26/17
2021561-801	US2:2021561-801	KIT, FID DETECTOR, 115 VAC		OBSOLETE 05/26/17
2021561-802	US2:2021561-802	KIT, FID DETECTOR, 230 VAC		OBSOLETE 05/26/17
2022073-001	US2:2022073-001	KIT, FID, IGNITER		
2022073-002		KIT, FID, IGNITER, 250V		
2021925-001	US2:2021925-001	IGNITOR,FID ASSEMBLY, MAXUM II		
	2021924-001	^ Cable, Fid Bias		
	2021692-002	^ Cable, Fid Bias Voltage, Fid 3		
	2021690-002	^ Cable, Max II, Dpm Ignition, Fid 3		
	1214011-002	^ Connect, Crimp		
	1662022-007	^ Tbg, Heat Shrink Hi Temp Ptf.		
	T08821	^ Tape,3/4" Kapton		
	2021926-001	^ Pcba, Fid Igniter Board		
	1901633-001	^ Transformer,10Kv Out,170C Temp Rtg		
	C00150	^ Cable Tie,4 Lg,Black		
	17.3	Flame Photometric Detector (FPD) General		
	17.4	FPD, Version 1		
2020125-701	US2:2020125-701	FPD Igniter Repair Kit		Maxum II
	1700454-001	^ Igniter, Compur FID, with copper seal		
	2021709-001	^ FPD Ignitor Cable		
	1390001-002	^ Feed Through, Hermetically sealed, 1/16" NPT		
	2017771-001	^ Glow plug connector sleeve, FID / FPD		
	2017770-001	^ Glow plug connector collet, FID / FPD		
	1211000-015	^ Ring lug, #6, 14-16 awg, high temperature		
	1312530-006	^ Washer, M3, helical locking spring, Stainless Steel		
	1312107-814	^ Screw, M3x8, socket head cap, Stainless Steel		
	1212000-014	^ Solder cup terminal, for .040" diameter pin		
	W60303	^ Wire,18 awg,19x30, red Teflon, CSA		
2020126-701	US2:2020126-701	Parts kit, FPD 1, quartz insert with O-ring		Maxum II
	2022066-001	^ Tube, Flame Barrier, FPD, cleaned		
	1531000-027	^ O-ring, SIZE -022, 1"D,1-1/8"OD, 1/16"W		
2020127-701	US2:2020127-701	FPD flame arrestor W/ washer		Maxum II
	1460006-001	^ Arrestor, Flame, FID, Hastelloy-C		
	1312502-119	^ Washer, Flat 0.720"OD x 0.535"ID x 0.040" Thk		
2020128-701	US2:2020128-701	FPD, column inlet, 0.38ID W/ washer		Maxum II
	2017629-003	^ Column inlet / Flame arrestor, FPD, 0.38id		
	1312502-118	^ Washer, flat .500"od x .325"ld x .040" thick		
2020128-702	US2:2020128-702	FPD, column inlet, 0.25ID W/ washer		Maxum II
	2017629-005	^ Column inlet / Flame arrestor, FPD, 0.25"ld		
	1312502-118	^ Washer, flat .500"od x .325"ld x .040" thick		
2020129-701	US2:2020129-701	FPD, light pipe assembly with O-ring		Maxum II
	1270004-001	^ FPD, light pipe assembly		
	O39010	^ O-ring, Size 010, 1/4id x 3/8od, Viton		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
2021656-001	< NN1 >	Complete Assembly, FPD, 115 vac	2021905-001	Original FPD obsolete
2021656-002	< NN1 >	Complete Assembly, FPD, 230 vac	2021905-002	Original FPD obsolete
2021655-001	US2: 2021655-001	Assembly, FPD Detector without heater and covers		Maxum II
2017625-001	US2: 2017625-001	Fitting, 1/4 x 1/4 NPT with Purge Coil		Maxum II
2021388-005	US2: 2021388-005	Restrictor tube assembly; FPD; air		Maxum II
2021388-004	US2: 2021388-004	Restrictor tube assembly; FPD; hydrogen		Maxum II
1270003-001	< NN1 >	MODULE, PMT, PHOTOMULTIPLIER	1270005-001	Original FPD tube
1270005-001	US2: 1270005-001	Photomultiplier Tube module		Maxum II
2017959-001	US2: 2017959-001	Heater termination plug		Maxum II
For the following items, reference noted sections of this catalog:				
-- "Sensor Near Electronics" section				
^ 2021344-001; DPM Connector Board				
^ 2020963-001; Base DPM				
^ 2021328-001; 100na / 1000na dual range amplifier board				
^ 2021689-001; DPM extension for ignition cable				
-- "Flame Ionization Detector" section				
^ 1622001-020; RTD, Push-in Style for temp. sense (Max II)				
^ 2021266-001; Heat. ass'y for FID and FPD, 115vac (Max II)				
^ 2021266-002; Heat. ass'y for FID and FPD, 230vac (Max II)				
-- "Oven Entry Feed Through" section				
^ 2020902-001; OEFT flexible cable to PCB				
-- "Valves" tab; "Heater and Mounting for SLIV" section				
^ 1621004-012; Heater cartridge for FID, 1", 115V (Maxum II)				
^ 1621004-011; Heater cartridge for FID, 1", 230V (Maxum II)				
17.5				
FPD 2, Version 2				
2021872-001	US2: 2021872-001	FPD 2 Basic Assembly		Maxum II
2021905-001	US2: 2021905-001	Complete Assembly, FPD-2, 115 vac		Maxum II
2021705-001	< NN1 >	Tube for FPD Ignition Wire		
2021905-002	US2: 2021905-002	Complete Assembly, FPD-2, 230 vac		Maxum II
2021904-001	US2: 2021904-001	Cover Insulation for FPD 2		
2022050-001	US2: 2022050-001	Parts Kit, FPD 2, quartz insert with O-Ring		
1531007-001		^ O-Ring, Kalrez, Size 015, 0.551 ID x 0.070		
1531000-016		^ O-Ring, Size 020, 0.864 ID, 0.070 Dia, Viton		
2022066-002		^ Tube, Flame Barrier, FPD II, cleaned		
17.6				
Pulse Discharge Detector				
2021326-001	US2: 2021326-001	DPM Mezzanine, universal analog voltage, 0-1v, 0-10v		Maxum II
1460042-001	US2: 1460042-001	Gas Purifier, SAES GS-50, 110 VAC		
1460042-002	US2: 1460042-002	Gas Purifier, SAES GS-50, 220 VAC		
A6X19905236	A6X19905236	PD-D2; PDD Detector Assembly, Valco		
A6X19905237	A6X19905237	PD-M2; Pulse Discharge Assembly, Valco		
A6X19905238	A6X19905238	I-23477; Cable, Controller to Pulse Supply		Cable also included with PD-M2
A6X19905239	A6X19905239	PD-C2-110V; Controller Assembly, Valco PDD 110V		
A6X19905240	A6X19905240	I-23136; Cable, Computer Output		Cable also included with PD-C2
A6X19905241	A6X19905241	ZT1; Fitting, Tee, Valco, ZDV, 1/16, .029ID, 316 SST		
A6X19905242	A6X19905242	EN.5KN; Fitting, Nut, Valco External 1/32, Knurled nut, 303 SST		
A6X19905243	A6X19905243	I-23212; Tube 316 SST, Pigtail 1/16, Detector Vent		
A6X19905244	A6X19905244	TGA-R-04F30; Tube, Valco Restrictor, 4mL @ 30PSI		For ECD Mode only
A6X19905245	A6X19905245	TGA-R-30F60; Tube, Valco Restrictor, 30 mL @ 60PSI		
A6X19905285	A6X19905285	PD-C2-220V; Controller Assembly, Valco PDD 220V		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
18				
Large Oven Applet Module Hardware				
(Consult factory for quotation for complete Applet Modules.)				
2017642-001	US2: 2017642-001	12-position gas mating manifold, oven half		Maxum 1 or II
2017641-001	US2: 2017641-001	12-position gas mating manifold, module half		Maxum 1 or II
2020188-002	US2: 2020188-002	1-to-6-way Sample dispersion manifold for use with applets		Maxum 1 or II
(For Model 50 valves and for Model 50 valve repair kit - see Model 50 section)				
2017682-001	US2: 2017682-001	Applet Module Feed-through		Maxum 1
2017638-001	US2: 2017638-001	Module mounting and connection block assembly (Maxum II)		Maxum II
2017648-001	US2: 2017648-001	Electrical connection assy for thermistor detector module (Max II)		Maxum II
(See "TCD Section" for thermistor detector repair kits and individual items.)				
2021240-001	US2: 2021240-001	Flow Restrictor, Crimped Tube		Maxum 1 or II
2021241-001	US2: 2021241-001	Restrictor Coil, tubing, Backflush "R-7-40-40"		Maxum 1 or II
2021105-001	US2: 2021105-001	Sample Loop Tube; 0.030 in		Maxum 1 or II
2021239-001	US2: 2021239-001	Sample Loop Tube; 0.020 in		Maxum 1 or II
2021239-002	US2: 2021239-002	Sample Loop Tube; 0.020 in; 20cm		Maxum 1 or II
2021239-003	US2: 2021239-003	Sample Loop Tube; 0.020 in; 30cm		Maxum 1 or II
2021239-004	US2: 2021239-004	Sample Loop Tube; 0.020 in; 15cm		Maxum 1 or II
2021243-001	US2: 2021243-001	Column, Haysep N 100/120 x .25m		Maxum 1 or II
2021243-002	US2: 2021243-002	Column, Haysep N 100/120 x .0.5m; Column #1		Maxum 1 or II
2021243-003	US2: 2021243-003	Column, Haysep N 100/120 X 2.0m; Column #2		Maxum 1 or II
2021244-001	US2: 2021244-001	Column, Molesieve 5A 100/120	ASE31960651001	Maxum 1 or II
2021245-001	US2: 2021245-001	Column, 1.2% TCEP Unibeads 80/120		Maxum 1 or II
2021245-002	US2: 2021245-002	Column, 1.2% TCEP Unibeads 80/120; 1.0m Column #2A		Maxum 1 or II
2021246-001	US2: 2021246-001	Column, 6.6% Carbowax 20M on 80/120 Carboblack B		Maxum 1 or II
2021246-002	US2: 2021246-002	Column, 6.6% Carbowax 20M on 80/120 Carboblack B; 3.0m Column #2		Maxum 1 or II
2021247-001	US2: 2021247-001	Column, Sorbital Chrom 750 on Carboblack		Maxum 1 or II
2021248-001	US2: 2021248-001	Column, 1% TCEP Carboblack B on 80/120		Maxum 1 or II
2021249-001	US2: 2021249-001	Column, 1.2% TCEP on 80/120 Unibeads and 23% BEEA on 100/120 Silcoport		Maxum 1 or II
2020185-001	US2: 2020185-001	Column, 1/8" OD x 0.02 wall, 6.6% Carbowax 20M		Maxum 1 or II
2020186-001	US2: 2020186-001	Column, 1/8" OD x 0.02 wall, 23 wt% BEEA		Maxum 1 or II
2022044-001	< NN1 >	APPLET, HRVOC Dual APPLET-102/105		
2022045-001	< NN1 >	APPLET, HRVOC Single APPLET - 113		
2022045-002	< NN1 >	APPLET, HRVOC DUAL 113/103		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
19				
Modular Oven Hardware and Modules				
19.1				
Modular Ovens and Base Unit				
A5E03467983001	A5E03467983001	POWER ENTRY CONTROL MODULE, DC (PECM-DC)		Modular
A5E03881071001	A5E03881071001	PLUG, HEATER TERMINATION, MODULAR		Modular
S81804	US2:S81804	SWITCH PRES 100 PSI N.O.		Modular
A5E03896485001	A5E03896485001	REGULATOR ASSEMBLY, PURGE		Modular
A5E03896485002	A5E03896485002	REGULATOR ASSEMBLY, VALVE GAS		Modular
A5E03896485003	A5E03896485003	REGULATOR ASSEMBLY, REGULATED AIR		Modular
A5E03989070001	A5E03989070001	KIT, SPARE, AIR INLET MANIFOLD		Modular
A5E03989098001	A5E03989098001	KIT, SPARE, I/O BRACKET		Modular
A5E03989426001	A5E03989426001	KIT, SPARE, LARGE OVEN DOOR		Modular
A5E03989448001	A5E03989448001	KIT, SPARE, SMALL OVEN DOOR		Modular
A5E03990579001	A5E03990579001	KIT, SPARE, 2-STATION SVCM, SMALL OVEN		Modular
A5E03990581001	A5E03990581001	KIT, SPARE, 4-STATION SVCM, LARGE OVEN		Modular
A5E03990587001	A5E03990587001	KIT, SPARE, DIN RAIL		Modular
A5E03990594001	A5E03990594001	KIT, POWER & GROUND CABLES, MODULAR OVEN		Modular
A5E03990603001	A5E03990603001	KIT, HEATER REPLACEMENT, SM MODULAR OVEN		Modular
A5E03990607001	A5E03990607001	KIT, HEATER REPLACEMENT, LG MODULAR OVEN		Modular
A5E03990609001	A5E03990609001	KIT, RTD REPLACEMENT, MODULAR OVEN		Modular
A5E03990615001	A5E03990615001	KIT, SAMPLE IN/OUT BRACKET ASSEMBLY		Modular
A5E31368510	A5E31368510	WRENCH, TORQUE, 9.5 LBS-FT		
A5E31368424	A5E31368424	SOCKET, 7MM, 1/4" DRIVE, DEEP		
A5E31368509	A5E31368509	SOCKET, 17MM, 3/8" DRIVE, DEEP		
A5E03959533001	A5E03959533001	Module Hardware Tester		Modular
A5E03740800001	A5E03740800001	Wiring harness, Pressure Switch to EPC		
19.2				
Vapor TCD Modules				
A5E03989451001	A5E03989451001	KIT, SPARE, SINGLE MODULE COVER		Modular
A5E03989574001	A5E03989574001	KIT, SPARE, DOUBLE MODULE COVER		Modular
A5E31277202001	A5E31277202001	KIT, SPARE PARTS, MODULE HARDWARE		Modular
A5E03607125001	A5E03607125001	SINGLE MODULE, PRESSURE TEST, HARDWARE ONLY		Hardware-only module, w/o columns
A5E03607139002	A5E03607139002	DOUBLE MODULE REPLACEMENT, 1 M50, HARDWARE ONLY		Hardware-only module, w/o columns
A5E03607149002	A5E03607149002	DOUBLE MODULE REPLACEMENT, 2 M50, HARDWARE ONLY		Hardware-only module, w/o columns
A5E03607150002	A5E03607150002	DOUBLE MODULE REPLACEMENT, 3 M50, HARDWARE ONLY		Hardware-only module, w/o columns
A5E31273922001	A5E31273922001	SINGLE MODULE, PRESSURE TEST, LIGHT GASES 101/102		Standard application; with columns
A5E31273922002	A5E31273922002	SINGLE MODULE, PRESSURE TEST, AIR, 104/105		Standard application; with columns
A5E31273922003	A5E31273922003	SINGLE MODULE, PRESSURE TEST, PROPYLENE, 106/107		Standard application; with columns
A5E31273922004	A5E31273922004	SINGLE MODULE, PRESSURE TEST, BTU, 108/109		Standard application; with columns
A5E31273922005	A5E31273922005	SINGLE MODULE, PRESSURE TEST, ETHYLENE, 110/111		Standard application; with columns
A5E31273922006	A5E31273922006	SINGLE MODULE, PRESSURE TEST, H2 103		Standard application; with columns
A5E31273924001	A5E31273924001	DOUBLE MODULE, PRESSURE TEST, C4 OLEFINS, 112/113		Standard application; with columns
A5E31368516001	A5E31368516001	PCBA, 24V, I/O EXPANSION		Applies to A5E35089414001
A5E36582286001	A5E36582286001	KIT, SPARE, 24V I/O BRACKET		Applies to A5E35089414001
A5E32106087001		^ BRACKET, BACK, 24V I/O EXPANSION		
A5E32106084001		^ BRACKET, TOP, 24V I/O EXPANSION		
1312601-004		^ NUT, M4 WITH LOCKWASHER, ZINC PLATED		
A5E31626504001		^ TRAY, 24V I/O EXPANSION		
1312092-017		^ SCREW, SHOULDER M5 X 3.18, SOCKET HEAD		
1312601-005		^ NUT, M5 WITH LOCKWASHER, ZINC PLATED		
A5E31368516001		^ PCBA, 24V I/O EXPANSION		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
	1312530-009	^ WASHER,FLAT,M3,304SST		
	1312530-006	^ WASHER, M3, HELICAL SPRING LOCK, SST		
	1312107-814	^ SCREW, M3X8, SOCKET HEAD CAP, SST		
	1312420-331	^ SCREW, M3X 4, SOCKET HEAD CAP, SST		
	2021837-003	^ CABLE, 24V POWER, CIM TO WDB		
	C00150	^ CABLE TIE,4 LG,BLACK		
	A6X19905089	^ BAG,POLY,6"X8",4MIL,ZIPPER CLOSURE		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
21				
Mechanical regulators, gauges and pneumatics				
2021638-001	US2: 2021638-001	Regulator & Gauge, Module 0-160 (Maxum II)		Maxum II
2021637-001	US2: 2021637-001	Regulator & Gauge, Module 0-30 (Maxum II)		Maxum II
G74000	US2: G74000	Gauge, 0-30psi; 2.5", 1/4"cbm, Brass, Glass		Maxum 1 or II
2020172-001	US2: 2020172-001	Gauge Kit		Maxum 1 or II
	1465002-023	^ Gauge, 0-30 psi,1-1/2 dia, 1/8" NPT back mount		
	1465002-024	^ Gauge, 0-60 psi,1-1/2 dia, 1/8" NPT back mount		
	1465002-025	^ Gauge, 0-100 psi,1-1/2 dia, 1/8" NPT back mount		
	2015990-001	^ Bracket, Gauge, pneumatic enclosure		
	1312107-816	^ Screw, flat head, M3 x 10		
2020173-001	US2: 2020173-001	Pneumatic Enclosure Cover Kit		Maxum 1
	2015991-001	^ Cover, front, pneumatic enclosure		
	2015993-001	^ Cover, rear, pneumatic enclosure		
	2015992-001	^ Bracket, regulator, side option, pneumatic enclosure		
	2015992-002	^ Bracket, regulator, custom, pneumatic enclosure		
1465004-002	US2: 1465004-002	Gauge, 30-0"HG VAC, 2-1/2" dial, 1/4 NPT, stainless steel		Maxum 1 or II
2015980-001	US2: 2015980-001	Regulator, Wilkerson R09-dual with gauge, fittings		Maxum 1
2015981-001	US2: 2015981-001	Regulator, Wilkerson R08, 0-100 psi with gauge, fittings		Maxum 1
2015982-001	US2: 2015982-001	Regulator, Wilkerson R09-single 0-30 psi with gauge, fittings		Maxum 1
2015982-002	US2: 2015982-002	Regulator, Wilkerson R09-single 100 psi with gauge, fittings		Maxum 1
2015982-004	US2: 2015982-004	Regulator, Wilkerson R09, 0-100 psi with fittings		Maxum 1
2021638-002	US2: 2021638-002	Regulator Assembly for secondary valve air		Maxum II
1461004-005	US2: 1461004-005	Regulator, Dome-Loaded SSTL 1-60 psi (Veriflo) for Total Sulfur		Maxum II
2021782-001	US2: 2021782-001	Masonellan Regulator Assembly with guage, 0-100 psi		Maxum II
2021782-002	US2: 2021782-002	Masonellan Regulator Assembly with guage, 0-60 psi		Maxum II
2020981-002	US2: 2020981-002	Masonellan Regulator Assembly 0-60 PSI (Reg p/n 1461007-003)		Maxum 1 or 2
1000147-001	US2: 1000147-001	VALVE SOLENOID, 76PP9ZGM-120/60-AC		Check pricing - by request only
1282000-016	US2: 1282000-016	RESTRICTOR, FLOW HYDROGEN, 1/4", 20 PSID		
2021267-001	US2: 2021267-001	BRACKET, REGULATOR		
2021572-802	US2: 2021572-802	KIT, MTG PNL FOR MASONELLAN 113		OBsolete 05/27/17
2021791-001	US2: 2021791-001	BRACKET,REG,SIDE OPTION,4 MASONELL,MAXII		
2022020-001	US2: 2022020-001	KIT,SECONDARY VALVE AIR SUPPLY,KARLSRUHE		
S46005	US2: S46005	SPLITTER TEE 1/8 IN		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
22				
Oven heaters, metering valves and sample off (SSO)				
2021284-001	US2:2021284-001	Airbath Heater Assembly, Version 2, 1400 watt		Maxum II
1621000-021	US2:1621000-021	Airbath Heater Assembly	2021284-001	
1621000-027	< NN1 >	Airbath Heater Assembly	2021284-002	
1461000-026	US2:1461000-026	Probe, Dual RTD, Airflow 100 ohm with bend	ASE02129060001	Maxum II
1676000-007	US2:1676000-007	Probe, RTD 100ohm, 1/8T, 14" leads, 3 wire	ASE02144046001	Maxum II
1622005-001	US2:1622005-001	Probe, (RTD) Bare Element, 100 Ohm, 1/8" OD (PTGC)	ASE02144059001	Maxum II
1676000-008	US2:1676000-008	Dual Airflow RTD with 26 degree bend	ASE02144033001	Maxum II
ASE02144033001	ASE02144033001	Dual Airflow RTD with 31 degree bend		Maxum II
2021686-001	US2:2021686-001	Intrinsic Safety Barrier plate assembly for PTGC heater sensors		Maxum II
2020178-001	US2:2020178-001	Version 2 Heater Retrofit Kit; (Farnam replacement for Ver. 1)		Maxum 1
2021284-001		^ Airbath Heater Assembly, Version 2 (Farnam)		
F38404		^ Fitting, Tee, 1/4" T x 1/4T x 1/4T, stainless steel		
1291009-067		^ Fitting, 1/8T x 10-32 Unf, Push-in		
1291016-001		^ Fitting, reducing, 1/16T x 1/4 OD, stainless steel		
T93100		^ Tubing, column, sst, 0.0625 OD x 0.015 ID		
T93120		^ Tubing, sst, 0.375 OD x 0.035 wall		
2015507-001		^ Nozzle, 1/4" x 0.750		
T93200		^ Tubing, Teflon, PFA, 0.125 OD x 0.065 ID, clear		
1291019-018		^ Connector, "Y", parallel union, 1/4T x 1/4T, push-in		
1291016-022		^ Reducer, 1/4" stem OD, 1/8" Tube OD, push-in		
T85515		^ Tubing, Nylon, 0.250 OD x 0.180 ID, black		
T86006		^ Tubing, sst, 0259 OD x 0.035 wall		
2020107-701	US2:2020107-701	Upgrade Kit for PTGC; upgrade Maxum 1 to Maxum II PTGC heater		Maxum 1
2021680-002		^ Maxum II PTGC Heater Assembly without Deflector		
T93120		^ Tubing, sst, 0.375 OD x 0.035 wall		
F38406		^ Fitting, Tee, 3/8T x T x T, stainless steel		
F37508		^ Fitting, Reducer, 1/8T x 3/8 OD, stainless steel		
1291022-166		^ Fitting, Elbow, Union, 3/8T, stainless steel		
F32812		^ Fitting, Connector, Female, 3/8T x 1/4F, stainless steel		
F39406		^ Fitting, Union, 3/8T, stainless steel		
2021680-002	US2:2021680-002	Maxum II PTGC Heater Assembly without Deflector		Maxum II
2021284-002	US2:2021284-002	Air Bath Heater Assembly, Low Power 650 watt		Maxum II
2015975-001	US2:2015975-001	Air Bath Heater Assembly, Version 1		Maxum 1
2020167-001	US2:2020167-001	Heater Element Assembly for Version 1		Maxum 1
1621000-012		^ Heater, 1400 watt, 115 / 230 vac		
2015978-001		^ Fitting, 1/4" nipple, modified		
F38810		^ Fitting, Tee, run, 1/4T x 1/4T x 1/4F, stainless steel		
1211000-015		^ Lug, ring, #6, 14-16 awg, high temperature		
11316-00		^ Washer, flat, .140x.312x.032, stainless steel		
1312015-604		^ Screw, 6-32x1/4, pan head, Phillips, stainless steel		
1621000-017	US2:1621000-017	Heater Assembly for PTGC; 1400 Watt		Maxum 1
2020305-001	US2:2020305-001	1/8" Oven Heater Nozzle Kit for Maxum analyzers		Maxum 1
1676000-006	US2:1676000-006	Probe, RTD dual, 100 ohm, 1/4" with bend	ASE02129060003	Maxum 1 or II
2021371-001	US2:2021371-001	Plug, Airless heater retainer		Maxum II
2020377-701	US2:2020377-701	Kit, RTD, Airless oven		Maxum II
1622303-914		^ RTD, Dual with Mounting Flange		
2021359-001		^ Gasket		
2020378-701	US2:2020378-701	Kit, Heater, Airless oven		Maxum II
1621004-010		^ Heater, Assembly Airless Angled		
2021358-001		^ gasket		
2020901-001	US2:2020901-001	Heater block wiring terminal strip		Maxum 1

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
2015536-001	US2:2015536-001	Fitting, El, modified with Purge Coil		Maxum 1 or II
2015536-002	US2:2015536-002	Fitting, El, modified without Purge Coil		Maxum 1 or II
1461000-027	< NN1 >	Dual RTD Airflow Probe, with bend, 10' leads	A5E02129060002	
1461000-029	< NN1 >	Dual RTD Airflow Probe, with 90° bend,100 ohm, 18" lead	A5E02129060003	
1621004-005	US2:1621004-005	HEATER CARTRIDGE,250W,120VAC,0.75 DIA		
1621004-006	US2:1621004-006	HEATER CARTRIDGE,250W,240VAC,0.75 DIA		
2015922-002	US2:2015922-002	VALVE MOUNTING PLATE, MAX II		
2022001-002	US2:2022001-002	Kit, Siemens needle valve, high temperature		
A5E02129060001	A5E02129060001	PROBE, DUAL RTD, AIRFLOW, 100 OHM,W/BEND		
A5E02129060002	A5E02129060002	Dual RTD Airflow Probe, with bend, 10' leads		
A5E02129060003	A5E02129060003	Dual RTD Airflow Probe, with 90° bend,100 ohm, 18" lead		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
23				
Methanator				
23.1				
For original Maxum				
1622004-003	US2:1622004-003	RTD for temperature sense; for temp. controlled methanator	A5E02143849003	Maxum 1
A5E02143849003	A5E02143849003	RTD, Push-In style Dual, 1" long, 0.188" OD		Maxum 1 and OPM methanator
2000357-001	US2:2000357-001	7-wire seal assembly for temp. controlled methanator		Maxum 1
C92063	US2:C92063	Catalytic column used in temp. controlled methanator		Maxum 1
H24970	US2:H24970	Heater Cartridge for methanator; 115vac		Maxum 1
1621004-009	US2:1621004-009	Heater Cartridge for methanator; 230vac		Maxum 1
2020355-001	US2:2020355-001	Methanator, temperature-controlled; complete assembly; 115vac		Maxum 1
2020355-002	US2:2020355-002	Methanator, temperature-controlled; complete assembly; 230vac		Maxum 1
See "Cables" for PECM interconnect cable (2017990-001)				
23.2				
For Maxum II - (Methanator 1; before 2011)				
23.3				
For Maxum II - (Methanator 2; during and after 2011)				
2021601-001	US2:2021601-001	Methanator, temp.-controlled; complete assembly; universal power	2021840-001 or 2021840-002	Maxum II only; replacement depends
2021840-001	US2:2021840-001	Methanator Model 2, complete assembly, Exp. Proof, 120vac		Maxum II
2021840-002	US2:2021840-002	Methanator Model 2, complete assembly, Exp. Proof, 230vac		Maxum II
See "Valves" tab and "Heater and Mounting Assembly For LUV" section for See "FID" section above for RTD temperature probe (1622001-020)				
1523002-007	US2:1523002-007	RESI,150 OHM,5%,20W,WIREWOUND,AXIAL		
1621004-020	< NNI >	HTR,1" Cartridge	A5E01673203	
A5E01673203	A5E01673203	Htr, 1 inch cartridge, 240v, 100W, 450C Wire		
1622004-004	< NNI >	RTD for temperature sense for methanator	A5E02143849001	Maxum 2
A5E02143849001	A5E02143849001	RTD, Push-In style, 1"long, 0.188" OD, 500°C		Maxum 2 methanators

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
24				
Mechanical repair kits and items				
1131700-066	US2:1131700-066	Latch, Slam-type for Maxum Doors		Maxum 1 or II
1009062-001	US2:1009062-001	Fitting, Union T, 3/8" tubing		Maxum 1 or II
1291006-048	US2:1291006-048	Connector, 1/8" NPT to 1/4" tube		Maxum 1 or II
1291006-049	US2:1291006-049	Fitting, connector, 3/8 T to 1/8 NPT, push-in		Maxum 1 or II
1291001-018	US2:1291001-018	Fitting, tube adapter, Female, 1/8T x 1/4F, SST (total sulfur app)		
1291006-056	US2:1291006-056	Fitting, connector, male 1/8 T to 1/8NPT push-in		Maxum 1 or II
1291009-047	US2:1291009-047	Elbow, 1/8 tube x 1/8 MP, push-in		Maxum 1 or II
1291009-048	US2:1291009-048	Elbow, 3/8 tube x 1/4 MP, push-in		Maxum 1 or II
1291009-067	US2:1291009-067	Fitting, 1/8T x 10-32 Unif, push-in		Maxum 1 or II
1291015-005	US2:1291015-005	Plug, 1/4 OD		Maxum 1 or II
1291015-026	US2:1291015-026	Fitting, plug, 5/32 T stem, nickle plated		Maxum 1 or II
1291016-022	US2:1291016-022	Reducer, 1/4" stem OD, 1/8" tube OD, push-in		Maxum 1 or II
1291016-023	US2:1291016-023	Reducer, 3/8" stem OD, 1/4" tube OD, push-in		Maxum 1 or II
1291016-045	US2:1291016-045	Fitting, manifold, 1/4T X 5/8T		Maxum 1 or II
1291016-046	US2:1291016-046	Fitting, tube end reducer, 5/32 stem X 1/8 T		Maxum 1 or II
1291018-055	US2:1291018-055	Fitting, push-in, 1/4T - 1/4 NPT		Maxum 1 or II
1291019-018	US2:1291019-018	Connector, "Y", parallel union, 1/4Tx1/4T, push-in		Maxum 1 or II
1291322-002	US2:1291322-002	Elbow, 1/4Tx1/4T, push-in		Maxum 1 or II
1291330-003	US2:1291330-003	Fitting, 1/8T X 10-32, push-in		Maxum 1 or II
1318000-015	US2:1318000-015	Fitting,plug, 3/8 tube, push-in		Maxum 1 or II
1662021-002	US2:1662021-002	Tubing, Teflon, PFA, .250 OD x .156 ID, clear		Maxum 1 or II
1662021-003	US2:1662021-003	Tubing, Teflon, PFA, .375 OD x .250 ID, clear		Maxum 1 or II
F39950	US2:F39950	Fitting, elbow, street, 45 degree, 1/4, stainless steel		Maxum 1 or II
T85515	US2:T85515	Tubing, Nylon, 0.250 OD x 0.180 ID, black (per foot)		Maxum 1 or II
T85520	US2:T85520	Tubing, Nylon, 0.375 OD x 0.275 ID, black (per foot)		Maxum 1 or II
2015973-001	US2:2015973-001	Gasket, heater seal		Maxum 1 or II; Min. Qty. = 5
2020155-001	US2:2020155-001	Fitting Kit		Maxum 1 or II
	1291006-049	^ Conn, 3/8Tx1/8MP, push-in		
	1291009-045	^ Elbow, 1/4Tx1/8MP, push-in		
	1291009-046	^ Elbow, 3/8Tx1/8MP, push-in		
	1291009-047	^ Elbow, 1/8Tx1/8MP, push-in		
	1291009-048	^ Elbow, 3/8Tx1/4MP, push-in		
	1291015-005	^ Plug, 1/4 OD		
	1291016-022	^ Reducer, 1/4" stem OD, 1/8" Tube OD, push-in		
	1291016-023	^ Reducer, 3/8" stem OD, 1/4" Tube OD, push-in		
	1291018-044	^ Tee, 1/4T, push-in		
	1291018-045	^ Tee run, 3/8Tx1/8MP, push-in		
	1291019-017	^ Union, double male, brass		
	1291019-018	^ Connector, "Y", parallel union, 1/4Tx1/4T, push-in		
	1672002-003	^ Valve, toggle, 2-way NC, push-in		
	1291026-006	^ Bulkhead, 1/4Tx1/4NPT, push-in		
	1291322-002	^ Elbow, 1/4Tx1/4T, push-in		
2020156-001	US2:2020156-001	Gasket and Seal Kit (Maxum 1)		Maxum 1
	2015942-001	^ Gasket, conduit entry covers		
	2015917-001	^ Gasket, Feed-Thru, oven enclosure		
	2017765-001	^ Gasket, exhaust tube		
	2015946-001	^ Gasket, Solenoid Valve Control Module (SVCM)		
	2015973-001	^ Gasket, heater seal		
	2017774-001	^ Gasket, Feed-Thru, flange, oven side		
	2017790-001	^ Gasket, Solid State Relay / Heat Sink seal		
	2017794-001	^ Gasket, Purge Control Manifold (PCM)		
	2015940-001	^ Gasket, Feed-Thru opening		
	2015944-001	^ Gasket, Electronic Pressure Control		
	2015923-001	^ Gasket, heater Feed-Thru		
	O39008	^ O-Ring, size 008, 3/16 ID x 1/16, Viton		
	O39006	^ O-Ring, size 006, 1/8 ID x 1/16, Viton		
	2017762-001	^ Gasket, heater Feed-Thru		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
	2017977-001	^ Gasket, heater mounting block, front		
2020102-701	US2:2020102-701	Gasket and Seal Kit (Maxum II)		Maxum II
	2015940-001	^ Gasket, Feed-Thru opening		
	2015942-002	^ Gasket, conduit entry cover with adhesive		
	2015944-002	^ Gasket, EPC, 1/16" Neoprene		
	2015946-002	^ Gasket, SVCM, 1/16" Neoprene		
	2017762-001	^ Gasket, heater Feed-Thru		
	2017790-002	^ Gasket, SSR / Heat Sink - Neoprene		
	2017794-002	^ Gasket, PCM - Neoprene		
	2021163-001	^ Tube, Feed-Through		
	2021165-001	^ Gasket, cover, EC left & right side		
	2021171-001	^ Gasket, detector		
	2021323-001	^ Gasket, APU cover		
	2021325-001	^ Gasket, cover, tubing / cabling		
	2021332-001	^ Gasket, heater cover		
	2021341-001	^ Plate, seal, Feed-Through		
	2021358-001	^ Gasket, heater, vertical		
	2021359-001	^ Airless RTD Gasket		
	2021364-001	^ Gasket, Oven Feed-Through, no hole		
	2021364-002	^ Gasket, Oven Feed-Through, small hole		
	2021364-003	^ Gasket, Oven Feed-Through, large hole		
2017977-001	US2:2017977-001	Gasket, heater mounting block, front		Maxum 1; Min. Qty. 5
2021171-001	< NN1 >	Gasket, detector		
1532501-001	US2:1532501-001	Maxum 2 door gasket, original style	New style pending	Original gasket; obsolete
2020157-001	US2:2020157-001	Hardware Kit		Maxum 1 or II
	1313011-417	^ Standoff, hex, F-F, M4, stainless steel		
	1313011-419	^ Standoff, jack screw, 4-40, 1/4"		
	1312601-003	^ Nut, M3 with lock washer		
	1312601-005	^ Nut, M5 with lock washer (SNE and PS)		
	1312601-004	^ Nut, M4 with lock washer		
	1312601-006	^ Nut, M2 non-locking		
	1312420-339	^ Screw, M2x12, socket head cap		
	1312420-331	^ Screw, M3x4, socket head cap		
	1312420-332	^ Screw, M3x6, socket head cap		
	1312107-814	^ Screw, M3x8, socket head cap		
	1312421-068	^ Screw, M3x20, socket button cap		
	1312420-333	^ Screw, M3x20, socket head cap		
	1312092-007	^ Screw, M3x25, socket head cap		
	1312092-009	^ Screw, M3x35, socket head cap		
	1312421-069	^ Screw, M4x8, socket button cap		
	1312420-334	^ Screw, M4x8, socket head cap		
	1312413-036	^ Screw, M4x10, socket flat head		
	1312421-070	^ Screw, M4x10, socket button cap		
	1312420-335	^ Screw, M4x10, socket head cap		
	1312420-342	^ Screw, M4x12, socket head cap		
	1312420-338	^ Screw, M4x15, socket head cap		
	1312107-813	^ Screw, M4x16, socket button cap		
	1312420-337	^ Screw, M4x45, socket head cap		
	1312420-336	^ Screw, M5x10, socket head cap		
	1312420-340	^ Screw, M5x12, socket head cap		
	1312420-341	^ Screw, M5x20, socket head cap		
	1312420-344	^ Screw, M5x35, socket head cap		
	1312015-604	^ Screw, 6-32x1/4, pan head, Phillips, stainless steel		
	1316-00	^ Washer, flat, .140x.312x.032, stainless steel		
	1312530-006	^ Washer, M3, helical spring lock		
	1312530-007	^ Washer, M4, helical spring lock		
	1312530-005	^ Washer, M4, flat		

Maxum; Page 42 of 48;
Issuance and effectivity dates shown in header line.

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
1312530-008		^ Washer, M5, helical spring lock		
A5E00127309	A5E00127309	Siemens Compression Fitting, PTFE Seal		Priced as single item.
A5E00127133	A5E00127133	Siemens Compression Fitting, Pressure Ring		Priced as single item.
1900215-001	C79304A3000C40	VespeI ferrule M5 System for capillary columns o.d. 0.4-0.5 mm		
1900217-001	C79304A3000C41	VespeI ferrule M5 System for capillary columns o.d. 0.65-0.7 mm		
1900218-001	C79304A3000C42	VespeI ferrule M7 System for 1,5 mm and 1/16" tube		
C79304A3000C43	C79304A3000C43	VespeI ferrule M7 System for 2 mm tube		Custom; contact factory
1900220-001	C79304A3000C44	VespeI ferrule M7 System for 3 mm tube		
1532500-013	C79304A3000C46	VespeI ferrule M7 System for 1/8"tube		
1312012-202	US2:1312012-202	SCREW, 2-56 X 1/8, MACH, PN HD, SLTD DR, SST		
1312070-416	US2:1312070-416	SCREW, 4-40 X 1, MACH, FIL HD, SLTD DR, SST		
1312092-009	US2:1312092-009	SCREW, M3X35, SOCKET HEAD, SST		
1312092-011	US2:1312092-011	SCREW, 4.2 X 16, FLAT HEAD SELF TAPPING		
1312092-716	US2:1312092-716	SCREW, 1/4-20 X 1, SOC HD, SST		
1312150-001	US2:1312150-001	SCREW, 6-32X1/4, BTN HD, SECRTY TORX DR, SST		
1312200-806	US2:1312200-806	SCREW, 8-32 X 3/8, THUMB, SST		
1312420-073	US2:1312420-073	SCREW, M4 X 25, SOCKET HD CAP, 304 SS		
1312420-334	US2:1312420-334	SCREW, M4X8, SOCKET HEAD CAP, SST		
1312420-337	US2:1312420-337	SCREW, M4X45, SOCKET HEAD CAP, SST		
1312420-340	US2:1312420-340	SCREW, M5X12, SOCKET HEAD CAP, SST		
1312420-351	US2:1312420-351	SCREW, M5 X 8, FLAT HEAD, SOCKET		
1312420-361	US2:1312420-361	SCREW, M4 X 35, SOCKET HEAD CAP, SST		
1312421-069	US2:1312421-069	SCREW, M4X 8, SOCKET BUTTON HD CAP, SST		
1312502-118	US2:1312502-118	WASHER, FLAT .500"ODX .325"IDX .040"TK,		
1312530-005	< NNI >	Washer, M4, flat, stainless steel		Priced in bag of 1000 pieces.
1312530-007	US2:1312530-007	WASHER, M4, HELICAL SPRING LOCK, SST		
1312530-008	US2:1312530-008	WASHER, M5, HELICAL SPRING LOCK, SST		
1312600-582	US2:1312600-582	NUT, JAM, 9/16-18 HEX, SST		
1312601-004	US2:1312601-004	NUT, M4 WITH LOCKWASHER, ZINC PLATED		
1312601-005	US2:1312601-005	NUT, M5 WITH LOCKWASHER, ZINC PLATED		
1312614-002	US2:1312614-002	Nut, Lock, 3/8-32 Hex stainless (for back PTGC oven)		
1321100-009	US2:1321100-009	HINGE, OFFSET, M5, LEFT SIDE LIFT OFF		
1592011-001	US2:1592011-001	PAINT, AEROSOL, SIEMENS LIGHT BASIC		
1592011-002	US2:1592011-002	PAINT, AEROSOL, SIEMENS DEEP BASIC		
H09601	US2:H09601	SCREW, 8-32 X 3/8, SOC HD, SST		
H09607	US2:H09607	SCREW, 8-32 X 1/2, SCKT HD CAP, SST		
H09614	US2:H09614	SCREW, 10-32 X .875, SOC HD, SST		
H10177	US2:H10177	SCREW, 8-32X1-1/2, BD HD, SLT DR, NKL PL BRS		
H10364	US2:H10364	SCREW, 8-32 X 1/4, FLT(B2)HD, NKL PL BRS		
H10619	US2:H10619	SCREW, 10-32 X 7/8, HEX HD, SST		
H10648	US2:H10648	SCREW, 3/8-24 X 3/8, SET, HEX HD, CUP, SST		
H10656	US2:H10656	SCREW, 6-32 X 1/8, KNRL CUP, BLK OXD STL		
H10921	US2:H10921	SCREW, 6-32 X 3/8, SLFTPg, PN HD		
H11469	US2:H11469	WASHER, FLAT, .156 X .437 X .040, SST		
H11652	US2:H11652	WASHER, SPR LK, #6 X .245 X .031, SST		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
25 Workstation Software				
2015870-001	< NN1 >	CD, Workstation, Ver. 1	2015871-005	Obsolete
2015870-002	< NN1 >	CD, Workstation, Ver. 2	2015871-005	Obsolete
2015870-003	< NN1 >	CD, Workstation, Ver. 3	2015871-005	Obsolete
2015870-004	< NN1 >	CD, Workstation, Ver. 3.10	2015871-005	Obsolete
2015870-005	< NN1 >	CD, Workstation, Ver. 3.11	2015871-005	Obsolete
2020337-001	< NN1 >	CD,ADV. MAXUM WORKSTATION SFWR, BOXED Ver. 3.11	2015871-005	Obsolete
2015871-005	US2:2015871-005	CD, Workstation, demonstration, latest version	A5E02912555001	Maxum 1 or II; free demo version
WRK1-3-1111	US2:WRK-E-3-1111	Workstation Tools configuration software bundle for Maxum	7KQ2920	Configured item
A5E02912555001	A5E02912555001	Workstation Tools, CD only without key		For demo or free patches
WRK1-1-1112	US2:WRK-E-1-1112	OPC Server software for Maxum	7KQ2920	Configured item
WRK1-1-1211	US2:WRK-E-1-1211	Simulated Distillation Editor software for Maxum	7KQ2920	Configured item
WRK1-1-2111	US2:WRK-E-1-2111	MaxBasic Editor software for Maxum	7KQ2920	Configured item
SM-CONT-WRK	US2:SM-CONT-WRK	Workstation Tools; Maintenance Contract per license; 1 year	7KQ2920	Configured item
SL-SITE-WRK	US2:SL-SITE-WRK	Workstation Tools; Site License for multi-copy use	7KQ2920	Configured item
WRK-E-2-1111	US2:WRK-E-2-1111	APC software Version 8.0 for OPTICHRON Advance	7KQ2920	Configured item
WRK-E-7-1111	US2:WRK-E-7-1111	Workstation Tools patch software	7KQ2920	Configured item
WRK-E-1-1121	< NN1 >	Air Monitor logging software for Maxum		Not available.
1190000-001	< NN1 >	Desktop Workstation Computer, OPTIPLEX 780	Custom configured part	Consult factory
1190000-002	< NN1 >	Laptop Workstation Computer, LATITUDE E5500	Custom configured part	Consult factory
1194001-015	< NN1 >	Workstation supplemental software; PC-Anywhere, Host/Remote	Custom configured part	Consult factory
26 Advance Network Gateway(ANG)				
2015840-001	US2:2015840-001	ANG Complete; CSA/NRTL Div 2, wall mount, Ethernet to ADH	Replaces configured item	MLFB No.: 7KQ3904-0
2015838-001	US2:2015838-001	ANG Complete; CSA/NRTL GP, rack mount, Ethernet to ADH	Replaces configured item	MLFB No.: 7KQ3904-3
2015841-001	< NN1 >	2 - CSA/NRTL, DIV 2, DATANET, WALL MT, CE (COPPER)	DataNET no longer available	MLFB No.: 7KQ3904-1
2015841-002	< NN1 >	3 - CSA/NRTL, DIV 2, DATANET, WALL MT, CE (FO)	DataNET no longer available	MLFB No.: 7KQ3904-2
2015839-001	< NN1 >	5 - GP, DATANET, RACK MT, CE (COPPER)	DataNET no longer available	MLFB No.: 7KQ3904-4
2015839-002	< NN1 >	6 - GP, DATANET, RACK MT, CE (FO)	DataNET no longer available	MLFB No.: 7KQ3904-5
2015850-001	< NN1 >	7 - CENELEC, ZONE 1, ETHERNET, WALL MT, CE (COPPER)	Zone 1 housing not offered	MLFB No.: 7KQ3904-6
2015852-001	< NN1 >	8 - CENELEC, ZONE 1, DATANET, WALL MT, CE (COPPER)	DataNET no longer available	MLFB No.: 7KQ3904-7
2015852-002	< NN1 >	9 - CENELEC, ZONE 1, DATANET, WALL MT, CE (FO)	DataNET no longer available	MLFB No.: 7KQ3904-8
2020100-001	US2:2020100-001	ANG Cable and Connector Kit		Network products
1218001-006		^ Connector, Plug, Mini-Combicon, 10-pos, 5.0mm		Network products
1291015-008		^ Connector, Plug, 3-pos, 7.62mm, VERT, with SCRFLG		Network products
2017575-001		^ Cable, AC, P/S board to P/S		Network products
2017576-001		^ Cable, DC, P/S board to P/S		Network products
2020276-001		^ Cable, Signal, P/S BD2 to COMM BD2		Network products
2020321-001		^ Cable, Signal, P/S BD1 to COMM BD2		Network products
2020321-001	US2:2020321-001	ANG Power Supply Adapter cable; 6-pin to 10-pin connector		Network products
2020914-001	US2:2020914-001	Debug Port Extension Cable		Network products
2020276-001	US2:2020276-001	Power Supply to Circuit Board Cable, 6-pin		Network products
1221007-015	US2:1221007-015	Advance Data Hiway Connector; 10-position		Network products
1221007-014	US2:1221007-014	Advance Data Hiway Connector; 6-position		Network products
1222010-017	US2:1222010-017	AC Power Connector		Network products
1681011-014	US2:1681011-014	DataNET Module to Module Interconnect Cable		Network products
2020951-801	US2:2020951-801	ANCB Comm. Board; Ethernet to Advance Data Hiway Gateway		Used in GC, NAU or Gateways
2020951-001		^ PCBA, ANCB with software, Ethernet to Data Hiway		
2020951-805	US2:2020951-805	ANCB Comm. Board; DataNET to Advance Data Hiway Gateway	Limited or NOT available	Used in pairs Gateway only

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
	2020951-005	^ PCBA, ANCB with software, ADH to DataNET in ANG		
2020951-804	US2: 2020951-804	ANCB Comm. Board; Ethernet to Maxum DataNET	Limited or NOT available	Used in GC, NAU or Gateways
	2020951-004	^ PCBA, ANCB with software, DataNET COMM board		
2015869-001	US2: 2015869-001	ANCB adapter; mount ANCB in OPTCRM card cage; with ANCB		OPTICHROM GC, IOU or NIU
2015869-003	US2: 2015869-003	ANCB adapter; mount ANCB in OPTCRM card cage; no ANCB		OPTICHROM GC, IOU or NIU
2020951-802	US2: 2020951-802	ANCB Comm. Board; Ethernet to Data Hiway Gateway	2020951-805	Network products
2020182-701	US2: 2020182-701	GC Install Kit; ANCB Comm. Board; Ethernet to ADH Gateway	2020951-801	Replacement is w/o connector, cable
2020182-702	US2: 2020182-702	GC Install Kit; ANCB Comm. Board; GC or NAU to DataNET	2020951-804	Replacement is w/o connector, cable
27 Network Access Unit (NAU) and CAN Extension Unit				
A5E35858157001	A5E35858157001	KIT, DISPLAY CABLES, TIB, MAXUM II		
	A5E32869588001	^ CABLE, SIB-TO-TIB		
	A5E33723021	^ CABLE, LCD DISPLAY CONTROL, MAXUM II		
	C00150	^ CABLE TIE, 4 LG, BLACK		
A5E35858154001	A5E35858154001	Kit, Spare, Stylus		
	A5E35758441	^ STYLUS, NAU		
	1312107-814	^ SCREW, M3X8, SOCKET HEAD CAP, SST		
	1312601-003	^ NUT, M3 WITH LOCKWASHER, ZINC PLATED		
2020101-001	US2: 2020101-001	Network Enclosure Hardware Kit		Network products
	2015847-001	^ Bottom plate blank		
	2015856-001	^ Bottom plate gasket		
	1700286-001	^ MMI blank cover		
	1700185-001	^ Wall mount bracket, set		
	1700186-001	^ Rack mount bracket, set		
2017519-802	US2: 2017519-802	8 Channel AO Board		Maxum 1 or II (s)
2017519-803	US2: 2017519-803	4 Each DO/DI Board		Maxum 1 or II (s)
2017519-804	US2: 2017519-804	2 Each AI/AO/DI/DO Board		Maxum 1 or II (s)
2015803-001	< NN1 >	Backplane circuit board, NAU or CEU extension		Network products
2020111-001	US2: 2020111-001	NAU Cable Kit		Network products
	2015813-001	^ Cable, CAN bus, SYSCON to bracket		
	2015812-001	^ Cable, CAN bus extension		
		CAN bus terminator (See SYSCON section, 1700149-001)		
1700315-001	US2: 1700315-001	1 meter CAN extension cable with connectors		Maxum 1 or II
1700316-001	US2: 1700316-001	2 meter CAN extension cable with connectors		Maxum 1 or II
1681011-024	US2: 1681011-024	Bulk cable for making CAN extension cables; per foot		Maxum 1 or II
1222012-026	US2: 1222012-026	CAN connectors for making CAN extension cables		Maxum 1 or II
1700314-001	US2: 1700314-001	CAN bus T connector / adapter		Maxum 1 or II
1318002-003	US2: 1318002-003	1/4 inch plastic plug for unused end of CAN bus T connector		Maxum 1 or II
A5E35757881001	A5E35757881001	KIT, TOUCHSCREEN ASSY, NAU		Maxum 1 or II
	1312601-004	^ NUT, M4 WITH LOCKWASHER, ZINC		
	1151000-002	^ ADHESIVE, HIGH STRENGTH		
	A5E35883141	^ STANDOFF, M3 X 7MM, F-F, 6MM HEX SST		
	1313011-422	^ STANDOFF, 5.5M HEX, M3X12		
	A5E33631604	^ STANDOFF 3MM X 14MM, M-F, SST		
	1312421-072	^ SCREW, M3 X 6 SOCKET BUTTON HEAD CAP, SST		
	1312530-006	^ WASHER, M3, HELICAL SPRING LOCK, SST		
	A5E32869510	^ DISPLAY, 8.4IN, TFT-LCD		
	A5E32869532	^ SCREEN, TOUCH, RESISTIVE, 8.4IN		
	C00150	^ CABLE TIE, 4 LG, BLACK		

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
A5E3199395 001		^ PCBA, TOUCH SCREEN INTERFACE BOARD (TIB)		
A5E32710071 001		^ STIFFENER BRACKET, TOUCHSCREEN, ASSY, NAU		
A5E35858157002	A5E35858157002	KIT, DISPLAY CABLES, TIB, NAU		Maxum 1 or II
	A5E32869588002	^ CABLE, SIB-TO-TIB, NAU		
	A5E33723020	^ CABLE, LCD DISPLAY CONTROL, NAU		
	C00150	^ CABLE TIE, 4 LG, BLACK		
2015803-001	US2: 2015803-001	PCBA, NAU/CEU BACKPLANE		
28 DataNET Hub (DNH)				
2015875-801	US2: 2015875-801	Module, DataNET Hub Module	None	Consult factory for alternatives.
	2015875-001	^ Module, DataNET Hub Module		Complete DataNET hub product uses
2015821-001	US2: 2015821-001	DataNET Hub Board	None	Consult factory for alternatives.
2020295-001	US2: 2020295-001	DataNET Hub Cable and Connector Kit		Network products
	2015880-001	^ Cable, cross-link, DataNET Hub		
	2017576-002	^ Cable, DC, pwr sply board to power supply, DataNET		
	2015878-001	^ Filter, AC line, DataNET Hub		
	1222010-017	^ Connector, Phoenix plug block 3 position, 5.08 spacing		
	1222010-021	^ Connector, Phoenix 3 position, 5.08 spacing		
	1222010-020	^ Connector, 3 position, plug, 3.81 spacing		
	1222010-019	^ Connector, 6 position, plug, 3.81 spacing		
2020948-001	US2: 2020948-001	DataNET Hub Signal Balancing Attenuator Board		Network products
2015823-001	US2: 2015823-001	DataNET Hub Fiber Optic Coupler Board, Non-potted		Network products
29 Ethernet Networking Components				
1193900-009	US2: 1193900-009	Hub, 8 ports of 10BaseT, plus AUI port		Network products (s)
1193900-010	US2: 1193900-010	Hub, 8 ports of 10BaseT, plus fiber optic port		Network products (s)
1193900-011	US2: 1193900-011	Hub, 8 ports of 10BaseT, plus fiber optic bridge port		Network products
1193900-012	US2: 1193900-012	Hub, 8 ports of 10BaseT, plus 10BaseT bridge port		Network products
1193900-014	US2: 1193900-014	Hub, 8 ports of 10BaseT, plus BNC port		Network products
1193900-013	US2: 1193900-013	Repeater; 10BaseT to fiber optic; AC powered		Network products (s)
1193900-030	US2: 1193900-030	Server, remote access; 10BaseT to modem		Network products
1191004-010	US2: 1191004-010	Modem, external; SupraExpress 56K		Network products
1270002-008	US2: 1270002-008	Cable, fiber optic patch; 3 meter, MM 62.5/125; 2 fiber		Network products
1681003-006	US2: 1681003-006	Cable, 4 pair, UTP, Category 5; 100 ft (30 m)		Network products (s)
1222010-001	US2: 1222010-001	Connector, modular plug, RJ45, 8 pin		Network products
1270002-002	US2: 1270002-002	Cable, fiber optic, MM 62.5/125; 2 fiber; (per 500 ft / 150m roll)		Network products
1270002-003	US2: 1270002-003	Connector, fiber optic, Type ST, Methode		Network products (s)
1270002-004	US2: 1270002-004	Kit, Methode anaerobic consumables		Network products
1270002-005	US2: 1270002-005	Kit, fiber optic field termination tool		Network products
1270002-006	US2: 1270002-006	Coupling, Type ST fiber optic; threaded		Network products
1270002-007	US2: 1270002-007	Converter, 10BaseT to fiber optic; with 12vdc power supply		Network products
1631070-002	US2: 1631070-002	Crimp tool; standard RJ45		Network products
1631070-003	US2: 1631070-003	Crimp tool; Amp RJ45		Network products
6GK52080BA102AA3	< NN3 >	Ethernet Switch, Scalance X208	A6X19905218	E580
6GK52042BB102AA3	< NN3 >	Ethernet Switch, Scalance X204-2	A6X19905219	E580
6GK52061BB102AA3	< NN3 >	Ethernet Switch, Scalance X206-1	A6X19905220	E580
A6X19905218	< NN3 >	SWITCH, ETHERNET, SCALANCE X208	6GK52080BA102AA3	Network products
A6X19905219	< NN3 >	SWITCH, ETHERNET, SCALANCE X204-2	6GK52042BB102AA3	Network products

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
A6X19905220	< NNS >	SWITCH, ETHERNET, SCALANCE X206-1	6GK52061BB102AA3	Network products
30				
Air Treater				
2000381-001	US2:2000381-001	Air Treater, 115V, CSA and CENELEC		Maxum 1 or II (s)
2000381-002	US2:2000381-002	Air Treater, 230V, CSA and CENELEC		Maxum 1 or II (s)
2000381-901	< NNI >	Exchange of Air Treater, 115V	Consult factory	No exchange; repair kits available
2000381-902	< NNI >	Exchange of Air Treater, 230V	Consult factory	No exchange; repair kits available
2017932-001	US2:2017932-001	Mounting Bracket, (Air Treater-2000381-001 & 2000381-002)		Maxum 1 or II
2020344-001	US2:2020344-001	Repair kit, heater element and column, for 2000381-001		Maxum 1 or II
2020344-002	US2:2020344-002	Repair kit, heater element and column, for 2000381-002		Maxum 1 or II
2020344-003	US2:2020344-003	Repair kit, heater element and column, for 2000381-003		Maxum 1 or II
2020344-004	US2:2020344-004	Repair kit, heater element and column, for 2000381-004		Maxum 1 or II
31				
Miscellaneous - unsorted				
1262000-037	US2:1262000-037	FAN, 5 VDC, 0.24A, WITH MODIFICATIONS		
1262000-054	US2:1262000-054	FAN, COOLING, 486, SYSCON+, PREFERRED		
1461000-028	< NNI >	Push-in Temperature Control Probe, RTD, 10' leads	A5E02144046002	
1684020-003	US2:1684020-003	CABLE TIE,IDENTIFIER,HEAD TYPE,ORANGE		
1684021-002	US2:1684021-002	CABLE TIE,4",TEFZEL,HI TEMP, UV RESIST		
1686001-001	US2:1686001-001	CABLE,COAX,30 AWG,7 X 38,TEFLON		
1700454-001	US2:1700454-001	IGNITER,W/ COPPER SEAL	A5E31221481001	
2020122-701	US2:2020122-701	KIT, CONVERT 230V BASE TO 115V		
2020131-701	US2:2020131-701	KIT,TOTAL SULFUR COLUMN MAINT.		
2020179-701	US2:2020179-701	KIT, REGULATOR, INSTALL, LESS REGULATOR		
2020180-701	US2:2020180-701	KIT, DETECTOR, INSTALL, FTGS		
2020181-701	US2:2020181-701	KIT, LIV HEATER, INSTALL, 115 VAC		
2020181-702	US2:2020181-702	KIT, LIV HEATER, INSTALL, 230 VAC		
2020381-701	US2:2020381-701	KIT, FTG,INSTALL ONE DETECTOR		
2020382-701	US2:2020382-701	KIT, LOW AIR PRESSURE 60PSI		
2020383-701	US2:2020383-701	KIT, LOW CARRIER PRES 100PSI		
2020384-701	US2:2020384-701	KIT, LOW CARRIER PRES, ADJUSTABLE		
2020385-701	US2:2020385-701	KIT, LOW SAMPLE FLOW CENELEC		
2020386-701	US2:2020386-701	KIT, SSO VALVE,INSTALL		
A5E02144046001	A5E02144046001	PROBE,RTD 100 OHM,1/8",18" LEADS,3 WIRE		
A5E02144046002	A5E02144046002	Push-in Temperature Control Probe, RTD, 10' leads		
A5E02144059001	A5E02144059001	RTD PROBE,BARE ELEM,100 OHM,1/8 OD,SST		
A5E02903951006	A5E02903951006	CD,MAXUM WORKSTATION,BUNDLED,90DAY TRIAL	7KQ2920	Configured item
1902014-004	A5E00127465	SEAL, PTFE, SIEMENS NEEDLE VALVE		
A5E31221481001	A5E31221481001	IGNITER, W/COPPER SEAL		
32				
NEEDLE VALVE MODUES (Pre-Set Tubing Versions)				
A5E03713157015	A5E03713157015	DBLE VPR MOD, 2-3 COL HC BV, RT OVEN		Right Oven Right Side
A5E03713157016	A5E03713157016	DBLE VPR MOD, 3 COL DS HC, RT OVEN		Right Oven Right Side
A5E03713157017	A5E03713157017	DBLE VPR MOD, 4 COL DS HC BV, RT OVEN		Right Oven Right Side
A5E03713157018	A5E03713157018	DBL VPR MOD,3M50 1N/,2-3COL BV/HC+BV,RT		Right Oven Right Side
A5E03713157019	A5E03713157019	DBLE VPR MOD, 3 COL DS HC+BV, RT OVEN		Right Oven Right Side
A5E03713157020	A5E03713157020	DBLE VPR MOD, 4 COL DS HC BV+BV, RT OVEN		Right Oven Right Side
A5E03713157021	A5E03713157021	DBLE VPR MOD, 2-3 COL HC BV, LT OVEN		Left Oven Right Side
A5E03713157022	A5E03713157022	DBLE VPR MOD, 3 COL DS HC, LT OVEN		Left Oven Right Side
A5E03713157023	A5E03713157023	DBLE VPR MOD, 4 COL DS HC BV, LT OVEN		Left Oven Right Side
A5E03713157024	A5E03713157024	DBLE VPR MOD, 2-3 COL HC BV+BV, LT OVEN		Left Oven Right Side
A5E03713157025	A5E03713157025	DBLE VPR MOD, 3 COL DS HC+BV, LT OVEN		Left Oven Right Side
A5E03713157026	A5E03713157026	DBLE VPR MOD, 4 COL DS HC BV+BV, LT OVEN		Left Oven Right Side
A5E03713157027	A5E03713157027	DBLE VPR MOD, 3M50 2NV, DS HC, RT OVEN		Right Oven Right Side

Part Number Selection				
Part Number (US)	Part Number (EU)	Description	Replacement	Notes
A5E03713157028	A5E03713157028	DBLE VPR MOD, 3M50 2NV, DS HC, LT OVEN		Left Oven Right Side