

**SPARE PARTS LIST FOR
 VG / FISIONS SIRMS / MM602, 903 / SIRA 9,10,12 / PRISM**

In Stock	Part #	OEM Part #	Description	Unit	USD \$
BELLOWS (602, 903 , Sira, Prism, Optima)					
1	B-1-010	1036065	Bellows for 602, 903 c/w back plate	ea.	\$ 115.00
		3601214	Bellows for 602, 903 complete	ea.	\$ 230.00
CRT7 VALVE - All Metal Inlet (602, 903 , Sira, 9/12)					
1	CR-5-110	1029041R	Climax intensifier overhaul (sira 9/12)	ea.	\$ 86.25
17	CR-1-010	CRT7C	Copper seat	ea.	\$ 23.00
6	CR-1-210	CRT7P	Handle anchor pin	ea.	\$ 2.30
2	CR-1-310	CRT7SL	Handle sleeve, black plastic	ea.	\$ 5.75
5	CR-1-020	CRT7K	Knife edge	ea.	\$ 51.75
10	CR-1-030	CRT7SW	Spring washer	ea.	\$ 2.30
CAPILLARIES (602, 903, Sira, Prism, Optima)					
1	C-1-040	3601559	Capillary (602/903)	ea.	\$ 172.50
1	C-1-010		Capillary update kit (602/903) to micro inlet type	kit	\$ 230.00
1	C-1-020		Capillary update kit (Sira 9) to micro inlet type	kit	\$ 230.00
CERAMICS (602, 903, Sira, Prism, Optima)					
6	S-3-010	1636059	Ceramic rod (2 pink, 4 white)	ea.	\$ 51.75
6	S-2-020	1640016	Ceramic sleeve, 3.5 mm	ea.	\$ 8.05
3	S-2-030	1640017	Ceramic sleeve, 4.5 mm	ea.	\$ 11.50
5	S-2-010	1640018	Ceramic sleeve, 6.4 mm	ea.	\$ 11.50
15	S-1-020	1636054	Ceramic spacer, 0.31" white	ea.	\$ 8.05
3	S-1-030	1636053	Ceramic spacer, 0.40" pink	ea.	\$ 6.90
10	S-1-040	1640052	Ceramic spacer, 0.70" white	ea.	\$ 6.90
12	S-1-010	1636052	Ceramic spacer, 0.80" white	ea.	\$ 10.35
CHANGEOVER VALVE (602, 903, Sira)					
2	V-4-010	3601629X	McKinney changeover valve, with solenoids	ea.	\$ 287.50
COPPER GASKETS					
8	G-1-010	CU19	Copper gaskets, flange size 1.33" (34mm)	ea.	\$ 2.30
19	G-1-020	CU38	Copper gaskets, flange size 2.75" (70mm)	ea.	\$ 2.30
25	G-1-030	CU64	Copper gaskets, flange size 4.5" (114mm)	ea.	\$ 3.45
4	G-1-040	CU100	Copper gaskets, flange size 6.0" (150mm)	ea.	\$ 5.75
ELECTRONICS					
2	E-6-010	2040785	Eprom (Sira 10)	ea.	\$ 115.00
2	E-2-210	AD7546KN	IC	ea.	\$ 41.40
3	E-2-121	DAC1000LCN	IC Chip	ea.	\$ 40.25
1	E-2-120	TMS9900NL	IC Chip	ea.	\$ 57.50
4	E-2-020	TMS9901NL	IC Chip c/w heat sink	ea.	\$ 86.25

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ELECTRONICS (Cont.)					
6		TMS9995NL	IC Chip	ea.	\$ 57.50
2	E-8-100	ISO 1	OHMIC resistor, 1G high	ea.	\$ 57.50
3	E-8-101	ISO 10	OHMIC resistor, 10G high	ea.	\$ 57.50
1	E-8-103	ISO 50	OHMIC resistor, 50G high	ea.	\$ 57.50
3	E-8-102	ISO 100	OHMIC resistor, 100G high	ea.	\$ 57.50
20	E-7-510	359-510	PTFE pink wire, bakeable (for ion gauge lead)	Mtr	\$ 2.30
1	E-8-100	MCH5/15D	Power supply DACC pcb ± 5v	ea.	\$ 40.25
5	E-8-140	170-513	Relay, solid state (Sira) ZRA6010A	ea.	\$ 23.00
1	E-9-100	ET/VGM4	Transformer, 4KV (PPS2 602/903)	ea.	\$ 86.25
1	E-9-200	ET/VGM126	Transformer source control (Sira 9/12)	ea.	\$ 86.25
1	E-9-431	207-431	Transformer, toroidal 50VA	ea.	\$ 57.50
1	E-9-428	208-428	Transformer, toroidal 60VA	ea.	\$ 23.00
E-PROMS					
1	SPCL		SIRA 9 EPROM'S (TI Boards)	ea.	\$ 57.50
1	SPCL		SIRA 12 EPROM'S (TI Boards)	ea.	\$ 57.50
1	SPCL		SIRA 12 EPROM'S (Quarndon Boards)	ea.	\$ 57.50
FILAMENTS					
4	F-1-010	1036062	CO2 Tungsten filament (602/903)	ea.	\$ 115.00
9	F-1-050	1036063	H/D Tungsten filament (602)	ea.	\$ 115.00
4	F-1-090		Ytria filament assembly (replaces thoria filament)	ea.	\$ 115.00
3	F-1-030	1640359	H/S Tungsten filament (Sira 12)	ea.	\$ 115.00
1	F-2-023	TIR23	Twin thoria coated iridium ion gauge filaments VIG17T1/VIG24 (Optima)	ea.	\$ 86.25
11	F-1-080		YTRIA H/D filament	ea.	\$ 115.00
FLANGES					
1	F-2-210		Blanking flange (micro inlet valve)	ea.	\$ 11.50
FUSES SLO BLO and FAST BLO					
	SPCL	All Sizes	For complete description of fuses contact us	pk/10	\$ 2.88
H. T. VACUUM TUBES / SUPPLIES					
1	E-1-020	A2426	Electronic H.T. vacuum tube (PPS2 units 602/903)	ea.	\$ 57.50
MICRO INLET VALVE (Sira Series II, Prism, Optima)					
14	V-2-010	3601847	Diaphragm	ea.	\$ 3.45
6	V-2-040	3001837	MP3 actuator plug	ea.	\$ 20.70
20	V-2-030	3601836	MP3 carrier & seat	ea.	\$ 40.25
31	V-2-020	1640418	MP3 disc spring washer	ea.	\$ 5.75
1	H1200		Micro inlet blanking flange	ea.	\$ 11.50

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In Stock	Part #	OEM Part #	Description	Unit	USD \$
MISCELLANEOUS PARTS					
1		3001010	MM903/Sira 9/12/10 Head Amplifier, complete	ea.	\$ 575.00
1		3001241	MM903 Collector Base Flange with feed throughs	ea.	\$ 51.75
1			1/4" Gold o-ring "dice" connector	ea.	\$ 23.00
2	SS010VG		0.010" Optima Source Slit	ea.	\$ 23.00
2	SS030VG		0.030" Optima Source Slit	ea.	\$ 23.00
2	SS040VG		0.040" Optima Source Slit	ea.	\$ 23.00
1			Micro Inlet Valve Block	ea.	\$ 57.50
3			UK main cables for electronic units	ea.	\$ 3.45
OPTIMA PCB's					
1		2029425	40 Channel P10 card (SPIBB-ARCOM)	ea.	\$ 230.00
1		2029518	ZSC68000-82 pcb (ARCOM)	ea.	\$ 575.00
1		4002920	M652-225C valve driver pcb	ea.	\$ 230.00
4		4002927	MS652-336 Unit Interface pcb	ea.	\$ 230.00
SIRA PCB's					
1	MS750-26-D		Valve Driver Board		\$ 115.00
2	MS750-21-D		VFC Board (one has 1 X 460L missing)		\$ 115.00
1	MS750-30-D		Digital Interface Board		\$ 115.00
1	E-10-300	990-121Q	Quandron Microboard, <i>Purchase</i>		\$ 230.00
2	E-10-301	990-121QS	Quandron Microboard, <i>Service Exchange</i>		\$ 172.50
1	E-10-201	990-121S	TI Microboard, <i>Service Exchange</i>		\$ 172.50
1	E-10-101	990-202BS	TI Memory Expansion Board, <i>Service Exchange</i>		\$ 172.50
SOCKET HEAD SCREWS					
20	H-3-020	4BA3/8	Socket head screws, 4BA x 3/8"	ea.	\$ 0.30
57	H-3-010	4BA1/4	Socket head screws, 4BA x 1/4"	ea.	\$ 0.30
50	H-3-030	4BA1/2	Socket head screws, 4BA x 1/2"	ea.	\$ 0.30
103	H-3-040	4BA2	Socket head screws, 4BA x 1" (50 SS and 53 Steel)	ea.	\$ 0.30
41	H-4-010	M36	Socket head screws, M3 X 6 mm	ea.	\$ 0.30
14	H-4-020	M312	Socket head screws, M3 X 12 mm	ea.	\$ 0.30
128	H-4-030	M325	Socket head screws, M3 X 25 mm (8 SS & 120 Steel)	ea.	\$ 0.30
54	H-5-011	M46	Socket head screws, M4 X 6 mm	ea.	\$ 0.30
20	H-5-010	M410	Socket head screws, M4 X 10 mm	ea.	\$ 0.30
20	H-5-030	M416	Socket head screws, M4 X 16 mm	ea.	\$ 0.30
SOLENOID VALVES					
4	V-1110	1050043	Intersol solenoid valves, N/O 48v-3.5w(Sira/ Prism)	ea.	\$ 28.75
7	V-1120	1040151	Microsol solenoid valves, N/C 48v-2w (Sira / Prism)	ea.	\$ 28.75
6	V-1130	1050066	Minisol solenoid valves, N/C 48v-5w (Sira / Prism)	ea.	\$ 28.75
2	V-1140	3602844	Minisol solenoid valves, N/O 48v-5w (Sira / Prism)	ea.	\$ 28.75
6		1042091	Predyne solenoid valves, N/C E3110 (Optima)	ea.	\$ 28.75
2		1042096	Predyne solenoid valves, N/O EH3210 (Optima)	ea.	\$ 28.75

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In Stock	Part #	OEM Part #	Description	Unit	USD \$
SOURCE PARTS - STAINLESS STEEL (602, 903, Sira, Prism, Optima)					
12	S-4-030	1037041	Barrel connector, 10ba	ea.	\$ 8.05
1	S-3-040	3801-090	Feedthrough, standard (source flange)	ea.	\$ 86.25
1	S-3-041	3801-091	Feedthrough, gold (collector flange)	ea.	\$ 86.25
2	S-4-120	3002509	Filament connector leads (602, 903, Sira 9 & 12)	kit	\$ 28.75
9	S-4-121	1040502	Filament retaining screw	ea.	\$ 2.30
3	S-3-050	3002074	Gas inlet probe	ea.	\$ 115.00
9	S-3-150	1040104	Gas inlet probe spring	ea.	\$ 1.75
5	S-3-250	3001409	Gas inlet spring tip	ea.	\$ 17.25
1	S-4-140	1640286	H/S Ion exit box	ea.	\$ 86.25
1	S-4-111	3002104HS	H/S Trap	ea.	\$ 17.25
3	S-5-110	1037038	Metal spacers, 3 mm	ea.	\$ 11.50
4	S-5-120	1037025	Metal spacers, 6 mm	ea.	\$ 11.50
4	S-5-130	1037026	Metal spacers, 8 mm	ea.	\$ 11.50
10	S-4-040	1038019	Screws, 10ba x 1/8"	ea.	\$ 1.65
28	S-4-060	3801-110	Screws, 10ba x 3/16" (5mm)	ea.	\$ 1.65
18	S-4-070	3801-109	Screws, 10ba x 1/4" (6mm)	ea.	\$ 1.65
43	S-3-051	1015035	Screws, for inlet probe flange	ea.	\$ 1.65
100	S-4-020	3801-112	Washers 10ba	ea.	\$ 0.50
20	S-3-030	1041048	Wavy washer, M3, stainless steel	ea.	\$ 1.85
1	S-3-030	1040562	Prism source spring	ea.	\$ 3.45
TOOLS					
2	T-1-120	104681	Open end miniature spanners, BA	pk	\$ 28.75
VACUUM SYSTEM PRODUCTS					
1	P5-131	PVGEKF	Adapter for Pirani KF10 to 1/2" Edwards Union	ea.	\$ 86.25
1	P-5-201	3601985-A	Adapter for transducer, 1/4" to NPT	ea.	\$ 86.25
2	P-5-110	EDP	Drain Plug (Edwards rotary pump)	ea.	\$ 5.75
7	P-5-111	EDT	Oil drain tube extension (Edwards rotary pump)	ea.	\$ 3.45
5	MS-9448	3009448	Seal collector lid (Optima)	ea.	\$ 17.25
5	MS-9624	3009624	Seal head amplifier (Optima)	ea.	\$ 17.25
8	P-5-100	BSP	Seal (1/8") fro drain plug/extension tube (Dowty Seal)	ea.	\$ 2.90
1	LIGB3		Ion gauge head for ION gauge head - SIRA 10	ea.	\$ 28.75
1			Pirani gauge head (602-903)	ea.	\$ 57.50
1			ZV1624 Ion gauge head	ea.	\$ 86.25

*Prices in U.S. Dollars * Applicable taxes/duty are extra * Shipping FOB Calgary, AB Canada
Prices effective September 2009. Availability subject to prior sale.*