

**LMV5 SYSTEM ORDER SHEET**

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<b>Company Name</b>			<b>PO#</b>	
<b>Required Ship Date</b>		<b>Ship To Address</b>		
<b>Shipping Method</b>				

	Description	Part Number	Qty	
<b>Control Panel Components</b>	<b>Base Unit (Qty 1 Required)</b>	Float/bump	LMV51.040C1	
		Load control	LMV51.140C1	
		VFD/O <sub>2</sub> trim/fuel meter	LMV52.240B1	
		Advanced O <sub>2</sub> trim	LMV52.440B1	
	<b>Transformer (Qty 1 or 2 Required)</b>	120V to (3) 12V transformer	AGG5.210	
	<b>Display Unit (Qty 1 Required)</b>	Display unit w/ Modbus	AZL52.40B1	
	<b>Display Cable (Qty 1 Required)</b>	9' AZL to LMV5 cable	AGG5.635	
	<b>Plug Set (Qty 1 Required)</b>	Typical base plug set	AGG5.720	
		Maximum system plug set	AGG5.7COMPLETE	
	<b>Strain Relief (Qty 1 Required)</b>	For CANbus grounding	AGG5.110	
	<b>Touchscreen Kit (Optional)</b>	Write in part number (see Doc. No. TS-1000)		
	<b>LMV5 Mounting Brackets (Qty 2 Recommended)</b>	For electrical enclosure	BR-LMV5	
	<b>Control Panel Spare Parts (Optional)</b>	120V main fuse	FUSE6.3A-SLOW	
		12V CANbus fuse	FUSE4.0A-SLOW	
		5 pack of 4-pins	1840382(5)	
5 pack of 5-pins		1840395(5)		
3 pack of 6-pins		1840405(3)		
Transformer plugs		AGG5.2PLUGS		
Spark quencher		XEB0471		
	RS-232 to RS-485 converter kit	TS-X4CX-XXXXX		
<b>Air Damper Assembly</b>	<b>Actuator (Qty 1 Required)</b>	27 in-lb, 10mm "D"	SQM45.295A9	
		177 in-lb, 14mm keyed	SQM48.497A9	
		310 in-lb, 14mm keyed	SQM48.697A9	
		600 in-lb, 25mm keyed	SQM91.391A9	
	<b>Coupling (Qty 1 Required)</b>	Write in part number (see Doc. No. CPBK-1000)		
	<b>Mounting Bracket Kits (Optional)</b>	Write in part number (see Doc. No. CPBK-2000)		
	<b>Cleaver Brooks Retrofit Kits (Optional)</b>	Kit for SQM48	BR-48CBAIR	
		Kit for SQM45	BR-3345CBAIR	
<b>Lucoma Air Damper Mounting Brackets (Optional)</b>	Kit for SQM48	BR-SQM48-LUC		
	Kit for SQM45	BR-SQM3345-LUC		
<b>Gas Firing Rate Valve</b>	<b>Valve Actuator Assemblies (Qty 1 Required if Firing Gas)</b>	Write in part number (see Doc. No. VA-1000 or VA-3000)		

	Description		Part Number	Qty
Oil Firing Rate Control Valve	Valve Actuator Assemblies <i>(Qty 1 Required if Firing Oil and Not Using a Cleaver Brooks Oil Valve)</i>	Write in part number (see Doc. No. VA-4000)		
	Cleaver Brooks Retrofit Kits <i>(Optional)</i>	Kit for SQM48	BR-48CBOIL	
		Kit for SQM45	BR-45CBOIL	
FGR Control Valve	Valve Actuator Assemblies <i>(Qty 1 Required if Using FGR)</i>	3" high temp assembly	VA48.4-3.0VKF-HT	
		4" high temp assembly	VA48.4-4.0VKF-HT	
		6" high temp assembly	VA48.4-6.0VKF-HT	
		8" high temp assembly	VA48.4-8.0VKF-HT	
		Write in part number (see Doc. No. VA-3000)		
Actuator Accessories	CANbus Cable <i>(Qty 1 Required)</i>	100' roll	AGG5.643(100)	
		500' roll	AGG5.643	
	Electrical Cable Adapters <i>(Optional)</i>	Short M16 to 1/2" metal (5)	ADP-M16XE500(5)	
		Long M16 to 1/2" metal (5)	ADP-M16XE500-LONG(5)	
		M16 to 1/2" nylon	7466201040	
		M16 cord grip	7466200470	
Flame Scanners	Flame Scanners <i>(Qty 1 Required)</i>	IR forward view	QRI2A2.B180B	
		IR side view	QRI2B2.B180B	
		UV side view	QRA75.A17	
Flame Scanner Accessories	QRA75 Cable <i>(Qty 1 Required per QRA75)</i>	12' cable	AGM23U	
	QRI Accessories <i>(Optional)</i>	Mount for forward view	AGG2.110	
		1/2" conduit adapter	AGG2.120	
		Mount for side view	AGG90.U	
	QRA Accessories <i>(Optional)</i>	Mount for side view	AGG16.U	
		Thermal barrier	THERMAL-1X75	
		Heat insulating lens	AGG02	
Magnifying lens		AGG03		
Sensors	Pressure Sensors <i>(Qty 1 Required for Steam Boilers)</i>	Write in part number (see Doc. No. SEN-2000)		
	Temperature Sensors <i>(Qty 1 Required for Hot Water Boilers, Optional for Other Applications)</i>	Pt100, 3-wire, -4...374°F	QAE2020.001	
		Pt1000, 2-wire, -4...374°F	QAE2012.001	
		Pt1000, 2-wire, -50...900°F	QAE2012.9002	
		Ambient air -58...158°F	QAC22	
		Flue gas -50...900°F	QAM-P210	
	Write in part number (see Doc. No. SEN-1000)			
VFDs	Variable Frequency Drives, Brake Resistors, Line / Load Reactors <i>(Optional)</i>	Write in part number		
	Speed Sensor <i>(Qty 1 Required per VFD)</i>	Speed sensor kit for conduit	AGG5.305	
		Speed sensor kit w/o conduit	AGG5.310	
O <sub>2</sub> Trim Components	O <sub>2</sub> Module <i>(Qty 1 Required for O<sub>2</sub> Trim)</i>	Connects QGO to LMV52	PLL52.110A100	
	O <sub>2</sub> Sensor <i>(Qty 1 Required for O<sub>2</sub> Trim)</i>	Max temp 575°F	QGO20.000D17	
	Flue Gas Collector <i>(Qty 1 Required for O<sub>2</sub> Trim)</i>	Weldless, up to 16" stack	AGO20.001SDS-KT	
		Weldless, over 16" stack	AGO20.002LDS-KT	
		Weld, up to 16" stack	AGO20.001A	
		Weld, over 16" stack	AGO20.002A	
	O <sub>2</sub> Cable <i>(Qty 1 Required for O<sub>2</sub> Trim)</i>	6-conductor, 35' length	C8120(35)	
ACS 450	Cables <i>(Optional)</i>	Null modem	P454-006	
		USB-to-serial	ACS-AC-FTDIUSB1	