

Assembly Numbers

SMARTFIRE™ Intelligent Combustion Control

SMARTFIRE™ Configured Item Numbers and Selection Information

Following is a list of all SMARTFIRE™ configured items. To configure a SMARTFIRE™ system, you will need to choose an Interface Panel, two Valve Actuator assemblies (1 air or oxy Valve Actuator and 1 fuel Valve Actuator) and two Flow Controller assemblies (1 air or oxy Flow Controller and 1 fuel Flow Controller). The spares for each assembly type are also included and are the last item in its particular category. Spares are not always included in the original order, however they can be ordered at any time. The details of each configured item with the segment choices are described in the following pages.

Interface Panel and Brain Spare

- Order one Interface Panel for each SMARTFIRE™ system.
- If the customer's combustion panel cannot physically accommodate the basic SMARTFIRE™ Interface Panel (13"W x 15"H x 5"D), order the panel with the enclosed option.
- Provide all configuration information for the intended burner application. This information is used to electronically configure the Burner Brain (included as part of the Interface Panel) with the proper air/fuel ratio data required and product labeling.

Description	Configured Item Number	See Page Number
SMARTFIRE Interface Panel	SF PNL	10-30.6-AP-2
SMARTFIRE Brain Spare	SF BRN RSP	10-30.6-AP-4

Valve Actuator Assemblies and Valve Actuator Spare

- Order one air (or oxygen) and one fuel Valve Actuator assembly for each SMARTFIRE™ system.
- Select size using the same valve sizing methods as a mechanical MICRO-RATIO® Valve.

Description	Configured Item Number	See Page Number
SMARTFIRE iron air valve	SF IAV	10-30.6-AP-6
SMARTFIRE steel air valve	SF SAV	10-30.6-AP-7
SMARTFIRE brass oxygen valve	SF BOV	10-30.6-AP-8
SMARTFIRE iron fuel valve	SF INV	10-30.6-AP-9
SMARTFIRE steel fuel valve	SF SNV	10-30.6-AP-10
SMARTFIRE actuator spare	SF ACT RSP	10-30.6-AP-11

Flow Controller Assemblies and Flow Sensor Spare

- Order one air (or oxygen) and one fuel Flow Controller for each SMARTFIRE™ system.
- Configure the flow controller's size and range (HI or LO) for the maximum application flow PLUS 10% (minimum) to ensure the sensor's range is not exceeded. In addition, the maximum application flow must be at least 40% of the selected flow controller's HI flow range; this ensures the turndown of the sensor is not exceeded. (The HI and LO flow ranges are provided in segment descriptions for each flow controller size.)

Description	Configured Item Number	See Page Number
SMARTFIRE steel air flow controller	SF SAC	10-30.6-AP-12
SMARTFIRE stainless steel air flow controller	SF SSAC	10-30.6-AP-13
SMARTFIRE stainless steel oxygen flow controller	SF SSOC	10-30.6-AP-14
SMARTFIRE steel fuel flow controller	SF SNC	10-30.6-AP-15
SMARTFIRE flow sensor spare	SF SNSR RSP	10-30.6-AP-16

SMARTFIRE™ Interface Panel - SF PNL

Segment Name	Segment Description	Segment Choices (DEFAULT is shaded)	Segment Choice Description
SOFTWARE VERSION	Version software loaded	X3	Std fast curve software (X)
		2C	Standard curve software
BURNER TYPE	Type of burner used with SMARTFIRE system	CRFR	CROSSFIRE burner
		EB_CM	EB CYCLOMAX burner
		KDZR	KINEDIZER burner
		KMAX	KINEMAX burner
		MGFR	MEGAFIRE burner
		MPAKT	M-PAKT burner
		NONE	Not specified
		OPLE	OVENPAK LE burner
		OPTSLS	OPTIMA SLS burner
		OXY	OXY-THERM burner
		400	400 OVENPAK burner
		400II	400 OVENPAK II burner
NUMBER OF BURNERS	Number of burners for each SMARTFIRE system	1	Specify value
TOTAL MAX BURNER CAP (MBTUH)	Total maximum capacity of all burners	1	Specify value
TOTAL MAX SYSTEM CAP (MBTUH)	Total maximum capacity of system	1	Specify value
APPLICATION TURNDOWN	Turndown desired	1	Specify value
BACKUP FUEL	Back up fuel used in burner application	NONE	None
		PROP_AIR	60/40 propane/air mixture
NOM A/F RATIO, CURVE DEFAULT	Nominal air/fuel ratio	1	Specify value
NOM A/F RATIO, CURVE A	Nominal air/fuel ratio	1	Specify value
NOM A/F RATIO, CURVE B	Nominal air/fuel ratio	1	Specify value
LIGHT-OFF CAPACITY (MBTUH)	Burner light-off capacity	0	Specify value
STANDBY AIR VALVE POS (DEGREE)	Standby air valve position	80	Specify value
LOW OXYGEN APPLICATION	Low oxygen application choice	NO	Choice not selected
		YES	Choice selected
COMMAND PANEL	Command panel type	IPO	Interface parts only
		W_12ENC	With Type 12 enclosed panel
		W_4ENC	With Type 4 enclosed panel
		W_4XENC	With Type 4X enclosed panel
		WO_ENC	Interior panel plate

SMARTFIRE™ Interface Panel - SF PNL (continued)

Segment Name	Segment Description	Segment Choices (DEFAULT is shaded)	Segment Choice Description
AIR CONTROLLER USED	Air controller choice	OPTSLS	OPTIMA SLS burner used
		12	12" size (111k or 167k scfh)
		16	16" size (176k or 263k scfh)
		2	2" SS size (2.7k or 5.4k scfh)
		20	20" size (276k or 414k scfh)
		24	24" size (399k or 599k scfh)
		28	28" size (546k or 818k scfh)
		3	3" SS size (8.1k or 11.3k scfh)
		4	4" SS size (11.3k or 22.5k scfh)
		6	6" SS size (22.5k or 45k scfh)
AIR SENSOR CAPACITY RANGE	Capacity range of air sensor	8	8" size (50k or 75k scfh)
		HI	High
GAS CONTROLLER USED	Gas controller choice	LO	Low
		2	2" size (3k or 6k scfh)
		3	3" size (9k or 12.5k scfh)
		4	4" size (12.5k or 25k scfh)
		6	6" size (25k or 50k scfh)
GAS SENSOR CAPACITY RANGE	Capacity range of gas sensor	6HC	6" size (hi) (75k or 100k scfh)
		HI	High
TELCO GATEWAY	Telco Gateway choice	LO	Low
		CH	Chinese Telco Gateway
		EU	European Telco Gateway
		NONE	No Telco Gateway
INTERFACE PARTS LOOSE	Ship interface parts loose or assembled	STD	North American Telco Gateway
		NO	Assemble with Interface Panel
MACHINE/UNIT ID	Identification number	YES	Do not assemble with Interface Panel
		*	Specify value
ZONE NUMBER ID	Zone identification	*	Specify value
		NONE	No Lonworks Network Adapter
LONWORKS NETWORK ADAPTER	Lonworks Network Adapter choices	PC CARD	PC card with cable
		SLTA	SLTA with cable & power supply
		USB NIC	USB network interface card w/cable

SMARTFIRE™ Brain Spare - SF BRN RSP

Segment Name	Segment Description	Segment Choices (DEFAULT is shaded)	Segment Choice Description
SOFTWARE VERSION	Version software loaded	X3	Std fast curve software (X)
		2C	Standard curve software
BURNER TYPE	Type of burner used with SMARTFIRE system	CRFR	CROSSFIRE burner
		EB_CM	EB CYCLOMAX burner
		KDZR	KINEDIZER burner
		KMAX	KINEMAX burner
		MGFR	MEGAFIRE burner
		MPAKT	M-PAKT burner
		NONE	Not specified
		OPLE	OVENPAK LE burner
		OPTSLS	OPTIMA SLS burner
		OXY	OXY-THERM burner
		400	400 OVENPAK burner
400II	400 OVENPAK II burner		
NUMBER OF BURNERS	Number of burners for each SMARTFIRE system	1	Specify value
TOTAL MAX BURNER CAP (MBTUH)	Total maximum capacity of all burners	1	Specify value
TOTAL MAX SYSTEM CAP (MBTUH)	Total maximum capacity of system	1	Specify value
APPLICATION TURNDOWN	Turndown desired	1	Specify value
BACKUP FUEL	Backup fuel used in burner application	NONE	None
		PROP_AIR	60/40 propane/air mixture
NOM A/F RATIO, CURVE DEFAULT	Nominal air/fuel ratio	1	Specify value
NOM A/F RATIO, CURVE A	Nominal air/fuel ratio	1	Specify value
NOM A/F RATIO, CURVE B	Nominal air/fuel ratio	1	Specify value
LIGHT-OFF CAPACITY (MBTUH)	Burner light-off capacity	0	Specify value
STANDBY AIR VALVE POS (DEGREE)	Standby air valve position	80	Specify value
LOW OXYGEN APPLICATION	Low oxygen application choice	NO	Choice not selected
		YES	Choice selected

SMARTFIRE™ Brain Spare - SF BRN RSP (continued)

Segment Name	Segment Description	Segment Choices (DEFAULT is shaded)	Segment Choice Description
AIR CONTROLLER USED	Air controller choice	OPTSLS	None-OPTIMA SLS burner used
		12	12" size (111k or 167k scfh)
		16	16" size (176k or 263k scfh)
		2	2" SS size (2.7k or 5.4k scfh)
		20	20" size (276k or 414k scfh)
		24	24" size (399k or 599k scfh)
		28	28" size (546k or 818k scfh)
		3	3" SS size (8.1k or 11.3k scfh)
		4	4" SS size (11.3k or 22.5k scfh)
		6	6" SS size (22.5k or 45k scfh)
AIR SENSOR CAPACITY RANGE	Capacity range of air sensor	8	8" size (50k or 75k scfh)
		HI	High
GAS CONTROLLER USED	Gas controller choice	LO	Low
		2	2" size (3k or 6k scfh)
		3	3" size (9k or 12.5k scfh)
		4	4" size (12.5k or 25k scfh)
		6	6" size (25k or 50k scfh)
GAS SENSOR CAPACITY RANGE	Capacity range of gas sensor	6HC	6" size (hi) (75k or 100k scfh)
		HI	High
ORIGINAL SALES ORDER NUMBER	Enter original sales order number to ensure the correct curve is loaded	LO	Low
		---	Specify value
MACHINE/UNIT ID	Identification number	*	Specify value
ZONE NUMBER ID	Zone identification	*	Specify value
LONWORKS NETWORK ADAPTER	Lonworks Network Adapter choices	NONE	No Lonworks Network Adapter
		PC CARD	PC card with cable
		SLTA	SLTA with cable & power supply
		USB NIC	USB network interface card w/ cable

SMARTFIRE™ Iron Air Valve - SF IAV

Segment Name	Segment Description	Segment Choices (DEFAULT is shaded)	Segment Choice Description
VALVE SIZE	Size of valve body	ALL	All sizes
		1	1" body
		1.25	1.25" body
		1.5	1.5" body
		10	10" body
		12	12" body
		14	14" body
		16	16" body
		2	2" body
		2.5	2.5" body
		3	3" body
		4	4" body
		6	6" body
		8	8" body
FLANGE MATERIAL	Choice of valve flange material	CI	Cast iron flanges
		NONE	No flanges provided
		STL	Steel flanges
FLANGE TYPE	Type of flange	ANSI_FFFLG	ANSI 125# flat-faced flange
		ANSI_RFFLG	ANSI 150# raised-face flange
		NONE	None provided
SOFTWARE VERSION	Version software loaded	2C	Standard software
BURNER TYPE	Type of burner used with SMARTFIRE system	CRFR	CROSSFIRE burner
		EB_CM	EB CYCLOMAX burner
		KDZR	KINEDIZER burner
		KMAX	KINEMAX burner
		MGFR	MEGAFIRE burner
		MPAKT	M-PAKT burner
		NONE	Not specified
		OPLE	OVENPAK LE burner
		OPTSLS	OPTIMA SLS burner
		OXY	OXY-THERM burner
		400	400 OVENPAK burner
		400II	400 OVENPAK II burner
TOTAL MAX SYSTEM CAP (MBTUH)	Total maximum capacity of system	1	Specify value

SMARTFIRE™ Steel Air Valve - SF SAV

Segment Name	Segment Description	Segment Choices (DEFAULT is shaded)	Segment Choice Description
VALVE SIZE	Size of valve body	1	1" body
		1.25	1.25" body
		1.5	1.5" body
		2	2" body
		2.5	2.5" body
		3	3" body
		4	4" body
FLANGE MATERIAL	Material choice for valve flanges	NONE	No flanges provided
		STL	Steel flanges
FLANGE TYPE	Type of flange	ANSI_RFFLG	ANSI 150# raised-face flanges
		ANSI_WLDG	ANSI welding flanges
		NONE	None provided
SOFTWARE VERSION	Version software loaded	2C	Standard software
BURNER TYPE	Type of burner used with SMARTFIRE system	CRFR	CROSSFIRE burner
		EB_CM	EB CYCLOMAX burner
		KDZR	KINEDIZER burner
		KMAX	KINEMAX burner
		MGFR	MEGAFIRE burner
		MPAKT	M-PAKT burner
		NONE	Not specified
		OPL	OVENPAK LE burner
		OPTSLS	OPTIMA SLS burner
		OXY	OXY-THERM burner
		400	400 OVENPAK burner
400II	400 OVENPAK II burner		
TOTAL MAX SYSTEM CAP (MBTUH)	Total maximum capacity of system	1	Specify value

SMARTFIRE™ Brass Oxygen Valve - SF BOV

Segment Name	Segment Description	Segment Choices (DEFAULT is shaded)	Segment Choice Description
VALVE SIZE	Size of valve body	1	1" body
		1.25	1.25" body
		1.5	1.5" body
		2	2" body
		2.5	2.5" body
		3	3" body
FLANGE MATERIAL	Type of flange material	BR	Brass flanges
		NONE	No flanges provided
FLANGE TYPE	Type of flange	ANSI_FFFLG	ANSI 150# flat-faced flanges
		ANSI_SOLJT	ANSI solder joint flanges
		NONE	None provided
SOFTWARE VERSION	Version software loaded	2C	Standard software
BURNER TYPE	Type of burner used with SMARTFIRE system	CRFR	CROSSFIRE burner
		EB_CM	EB CYCLOMAX burner
		KDZR	KINEDIZER burner
		KMAX	KINEMAX burner
		MGFR	MEGAFIRE burner
		MPAKT	M-PAKT burner
		NONE	Not specified
		OPLE	OVENPAK LE burner
		OPTSLS	OPTIMA SLS burner
		OXY	OXY-THERM burner
		400	400 OVENPAK burner
400II	400 OVENPAK II burner		
TOTAL MAX SYSTEM CAP (MBTUH)	Total maximum capacity of system	1	Specify value

SMARTFIRE™ Iron Fuel Valve - SF INV

Segment Name	Segment Description	Segment Choices (DEFAULT is shaded)	Segment Choice Description
VALVE SIZE	Size of valve body	1	1" body
		1.25	1.25" body
		1.5	1.5" body
		2	2" body
		2.5	2.5" body
		3	3" body
		4	4" body
FLANGE MATERIAL	Type of flange material	CI	Cast iron flanges
		NONE	No flanges provided
FLANGE TYPE	Type of flange	ANSI_FFFLG	ANSI 125# flat-faced flanges
		NONE	None provided
SOFTWARE VERSION	Version software loaded	2C	Standard software
BURNER TYPE	Type of burner used with SMARTFIRE system	CRFR	CROSSFIRE burner
		EB_CM	EB CYCLOMAX burner
		KDZR	KINEDIZER burner
		KMAX	KINEMAX burner
		MGFR	MEGAFIRE burner
		MPAKT	M-PAKT burner
		NONE	Not specified
		OPLE	OVENPAK LE burner
		OPTSLS	OPTIMA SLS burner
		OXY	OXY-THERM burner
		400	400 OVENPAK burner
400II	400 OVENPAK II burner		
TOTAL MAX SYSTEM CAP (MBTUH)	Total maximum capacity of system	1	Specify value

SMARTFIRE™ Steel Fuel Valve - SF SNV

Segment Name	Segment Description	Segment Choices (DEFAULT is shaded)	Segment Choice Description
VALVE SIZE	Size of valve body	1	1" body
		1.25	1.25" body
		1.5	1.5" body
		2	2" body
		2.5	2.5" body
		3	3" body
		4	4" body
FLANGE MATERIAL	Type of flange material	NONE	No flanges provided
		STL	Steel flanges
FLANGE TYPE	Type of flange	ANSI_RFFLG	ANSI 150# raised-faced flanges
		ANSI_WLDG	ANSI welding flanges
		NONE	None provided
SOFTWARE VERSION	Version software loaded	2C	Standard software
BURNER TYPE	Type of burner used with SMARTFIRE system	CRFR	CROSSFIRE burner
		EB_CM	EB CYCLOMAX burner
		KDZR	KINEDIZER burner
		KMAX	KINEMAX burner
		MGFR	MEGAFIRE burner
		MPAKT	M-PAKT burner
		NONE	Not specified
		OPLE	OVENPAK LE burner
		OPTSLS	OPTIMA SLS burner
		OXY	OXY-THERM burner
		400	400 OVENPAK burner
400II	400 OVENPAK II burner		
TOTAL MAX SYSTEM CAP (MBTUH)	Total maximum capacity of system	1	Specify value

SMARTFIRE™ Actuator Spare - SF ACT RSP

Segment Name	Segment Description	Segment Choices (DEFAULT is shaded)	Segment Choice Description
SOFTWARE VERSION	Version software loaded	2C	Standard software
ACTUATOR TYPE	Actuator spare type	AIR	Air
		NAT	Natural gas
		OXY	Oxygen
		PROP	Propane gas
		CRFR	CROSSFIRE burner
BURNER TYPE	Type of burner used with SMARTFIRE system	EB_CM	EB CYCLOMAX burner
		KDZR	KINEDIZER burner
		KMAX	KINEMAX burner
		MGFR	MEGAFIRE burner
		MPAKT	M-PAKT burner
		NONE	Not specified
		OPLE	OVENPAK LE burner
		OPTSLS	OPTIMA SLS burner
		OXY	OXY-THERM burner
		400	400 OVENPAK burner
		400II	400 OVENPAK II burner
TOTAL MAX SYSTEM CAP (MBTUH)	Total maximum capacity of system	1	Specify value

SMARTFIRE™ Steel Air Flow Controller - SF SAC

Segment Name	Segment Description	Segment Choices (DEFAULT is shaded)	Segment Choice Description
CONTROLLER SIZE	Size of flow body	12	12" size (124k or 185k scfh)
		16	16" size (195k or 293k scfh)
		20	20" size (307k or 460k scfh)
		24	24" size (443k or 665k scfh)
		28	28" size (606k or 909k scfh)
		8	8" size (55.6k or 83.4k scfh)
FLANGE MATERIAL	Flange material for flow body	NONE	No flanges provided
		STL	Steel flanges
FLANGE TYPE	Type of flange, if desired	NONE	None provided
		RLLD_ANG	Rolled angle flanges
FLOW SENSOR CAPACITY RANGE	Range of sensor	HI	High
		LO	Low
FLOW SENSOR CAPACITY (SCFH)	Capacity of sensor	---	Calculated (Value based on size and range selected)
SOFTWARE VERSION	Version software loaded	2C	Standard software
BURNER TYPE	Type of burner used with SMARTFIRE system	CRFR	CROSSFIRE burner
		EB_CM	EB CYCLOMAX burner
		KDZR	KINEDIZER burner
		KMAX	KINEMAX
		MGFR	MEGAFIRE burner
		MPAKT	M-PAKT burner
		NONE	Not specified
		OPLE	OVENPAK LE burner
		OPTSLS	OPTIMA SLS burner
		OXY	OXY-THERM burner
		400	400 OVENPAK burner
		400II	400 OVENPAK II burner
TOTAL MAX SYSTEM CAP (MBTUH)	Total maximum capacity of system	1	Specify value
SCREEN TYPE	Type of screen installed	F	Fixed screen
		R	Removable screen

SMARTFIRE™ Stainless Steel Air Flow Controller - SF SSAC

Segment Name	Segment Description	Segment Choices (DEFAULT is shaded)	Segment Choice Description
CONTROLLER SIZE	Size of flow body	2	2" size (3k or 6k scfh)
		3	3" size (9k or 12.5k scfh)
		4	4" size (12.5k or 25k scfh)
		6	6" size (25k or 50k scfh)
		12	12" size (124k or 185k scfh)
		16	16" size (195k or 293k scfh)
		20	20" size (307k or 460k scfh)
		24	24" size (443k or 665k scfh)
		28	28" size (606k or 909k scfh)
FLANGE MATERIAL	Flange material for flow body	NONE	No flanges provided
		SS	Stainless steel flanges
FLANGE TYPE	Type of flange, if desired	ANSI_RFFLG	ANSI 150# raised-face flanges
		NONE	None provided
		RLLD_ANG	Rolled angle flanges
FLOW SENSOR CAPACITY RANGE	Range of sensor	HI	High
		LO	Low
FLOW SENSOR CAPACITY (SCFH)	Capacity of sensor	---	Calculated (Value based on size and range selected)
SOFTWARE VERSION	Version software loaded	2C	Standard software
BURNER TYPE	Type of burner used with SMARTFIRE system	CRFR	CROSSFIRE burner
		EB_CM	EB CYCLOMAX burner
		KDZR	KINEDIZER burner
		KMAX	KINEMAX burner
		MGFR	MEGAFIRE burner
		MPAKT	M-PAKT burner
		NONE	Not specified
		OPLE	OVENPAK LE burner
		OPTSLS	OPTIMA SLS burner
		OXY	OXY-THERM burner
		400	400 OVENPAK burner
		400II	400 OVENPAK II burner
TOTAL MAX SYSTEM CAP (MBTUH)	Total maximum capacity of system	1	Specify value
SCREEN TYPE	Type of screen installed	F	Fixed screen
		R	Removable screen

SMARTFIRE™ Stainless Steel Oxygen Flow Controller - SF SSOC

Segment Name	Segment Description	Segment Choices (DEFAULT is shaded)	Segment Choice Description
CONTROLLER SIZE	Size of flow body	2	2" size (3k or 6k scfh)
		3	3" size (9k or 12.5k scfh)
		4	4" size (12.5k or 25k scfh)
		6	6" size (25k or 50k scfh)
FLANGE MATERIAL	Flange material for flow body	NONE	No flanges provided
		SS	Stainless steel flanges
FLANGE TYPE	Type of flange, if desired	ANSI_RFFLG	ANSI 150# raised-faced flanges
		NONE	None provided
FLOW SENSOR CAPACITY RANGE	Range of sensor	HI	High
		LO	Low
FLOW SENSOR CAPACITY (SCFH)	Capacity of sensor	---	Calculated (Value based on size and range selected)
SOFTWARE VERSION	Version software loaded	2C	Standard software
BURNER TYPE	Type of burner used with SMARTFIRE system	CRFR	CROSSFIRE burner
		EB_CM	EB CYCLOMAX burner
		KDZR	KINEDIZER burner
		KMAX	KINEMAX burner
		MGFR	MEGAFIRE burner
		MPAKT	M-PAKT burner
		NONE	Not specified
		OPLE	OVENPAK LE burner
		OPTSLS	OPTIMA SLS burner
		OXY	OXY-THERM burner
		400	400 OVENPAK burner
400II	400 OVENPAK II burner		
TOTAL MAX SYSTEM CAP (MBTUH)	Total maximum capacity of system	1	Specify value

SMARTFIRE™ Steel Fuel Flow Controller - SF SNC

Segment Name	Segment Description	Segment Choices (DEFAULT is shaded)	Segment Choice Description
CONTROLLER SIZE	Size of flow body	2	2" size (3k or 6k scfh)
		3	3" size (9k or 12.5k scfh)
		4	4" size (12.5k or 25k scfh)
		6	6" size (25k or 50k scfh)
		6HC	6" size (hi) (75k or 100k scfh)
FLANGE MATERIAL	Flange material for flow body	NONE	No flanges provided
		STL	Steel flanges
FLANGE TYPE	Type of flange, if desired	ANSI_RFFLG	ANSI 150# raised-faced flanges
		NONE	None provided
FLOW SENSOR CAPACITY RANGE	Range of sensor	HI	High
		LO	Low
FLOW SENSOR CAPACITY (SCFH)	Capacity of sensor	---	Calculated (Value based on size and range selected)
SOFTWARE VERSION	Version software loaded	2C	Standard software
BURNER TYPE	Type of burner used with SMARTFIRE system	CRFR	CROSSFIRE burner
		EB_CM	EB CYCLOMAX burner
		KDZR	KINEDIZER burner
		KMAX	KINEMAX burner
		MGFR	MEGAFIRE burner
		MPAKT	M-PAKT burner
		NONE	Not specified
		OPLE	OVENPAK LE burner
		OPTSLS	OPTIMA SLS burner
		OXY	OXY-THERM burner
		400	400 OVENPAK burner
400II	400 OVENPAK II burner		
TOTAL MAX SYSTEM CAP (MBTUH)	Total maximum capacity of system	1	Specify value

SMARTFIRE™ Flow Sensor Spare - SF SNSR RSP

Segment Name	Segment Description	Segment Choices (DEFAULT is shaded)	Segment Choice Description
CONTROLLER SIZE	Size of flow body	12	12" size (124k or 185k scfh)
		16	16" size (195k or 293k scfh)
		2	2" size (3k or 6k scfh)
		20	20" size (307k or 460k scfh)
		24	24" size (443k or 665k scfh)
		28	28" size (606k or 909k scfh)
		3	3" size (9k or 12.5k scfh)
		4	4" size (12.5k or 25k scfh)
		6	6" size (25k or 50k scfh)
		6HC	6" size (hi) (75k or 100k scfh)
FLOW SENSOR CAPACITY RANGE	Range of sensor	8	8" size (55.6k or 83.4k scfh)
		HI	High
FLOW SENSOR CAPACITY (SCFH)	Capacity of sensor	LO	Low
		---	Calculated (Value based on size and range selected)
SOFTWARE VERSION	Version software loaded	2C	Standard software
CONTROLLER TYPE	Spare controller type	AIR	Air
		NAT	Natural gas
		OXY	Oxygen
		PROP	Propane gas
BURNER TYPE	Type of burner used with SMARTFIRE system	CRFR	CROSSFIRE burner
		EB_CM	EB CYCLOMAX burner
		KDZR	KINEDIZER burner
		KMAX	KINEMAX burner
		MGFR	MEGAFIRE burner
		MPAKT	M-PAKT burner
		NONE	Not specified
		OPLE	OVENPAK LE burner
		OPTSLS	OPTIMA SLS burner
		OXY	OXY-THERM burner
		400	400 OVENPAK burner
400II	400 OVENPAK II burner		
TOTAL MAX SYSTEM CAP (MBTUH)	Total maximum capacity of system	1	Specify value

SMARTFIRE™ End Items	SMARTFIRE™ Configured Items
SMARTFIRE™ A-Valve/Actuators, cast iron	
SF Valve-Actuator, 1" A CI	SF INV, SF IAV
SF Valve-Actuator, 1-1/4" A CI	SF INV, SF IAV
SF Valve-Actuator, 1-1/2" A CI	SF INV, SF IAV
SF Valve-Actuator, 2" A CI	SF INV, SF IAV
SF Valve-Actuator, 2-1/2" A CI	SF INV, SF IAV
SF Valve-Actuator, 3" A CI	SF INV, SF IAV
SF Valve-Actuator, 4" A CI	SF INV, SF IAV
SMARTFIRE™ A-Valve/Actuators, steel	
SF Valve-Actuator, 1" A ST	SF SNV, SF SAV
SF Valve-Actuator, 1-1/4" A ST	SF SNV, SF SAV
SF Valve-Actuator, 1-1/2" A ST	SF SNV, SF SAV
SF Valve-Actuator, 2" A ST	SF SNV, SF SAV
SF Valve-Actuator, 2-1/2" A ST	SF SNV, SF SAV
SF Valve-Actuator, 3" A ST	SF SNV, SF SAV
SF Valve-Actuator, 4" A ST	SF SNV, SF SAV
SMARTFIRE™ A-Valve/Actuators, brass	
SF Valve-Actuator, 1" A BR	SF BOV
SF Valve-Actuator, 1-1/4" A BR	SF BOV
SF Valve-Actuator, 1-1/2" A BR	SF BOV
SF Valve-Actuator, 2" A BR	SF BOV
SF Valve-Actuator, 2-1/2" A BR	SF BOV
SF Valve-Actuator, 3" A BR	SF BOV
SMARTFIRE™ M-Valve Actuators	
SF Valve-Actuator, 6" M	SF IAV
SF Valve-Actuator, 8" M	SF IAV
SF Valve-Actuator, 10" M	SF IAV
SF Valve-Actuator, 12" M	SF IAV
SF Valve-Actuator, 14" M	SF IAV
SF Valve-Actuator, 16" M	SF IAV
SMARTFIRE™ Gas Flow Controllers	
SF Gas Flow Ctrl, 2" ST, 6000/3000 scfh	SF SNC
SF Gas Flow Ctrl, 3" ST, 12500/9000 scfh	SF SNC
SF Gas Flow Ctrl, 4" ST, 25000/12500 scfh	SF SNC
SF Gas Flow Ctrl, 6" ST, 50000/25000 scfh	SF SNC
SF Gas Flow Ctrl, 6" ST, 100000/75000 scfh	SF SNC
SMARTFIRE™ Air Flow Controllers	
SF Air Flow Ctrl, 8" ST, 83424/55616 scfh	SF SAC
SF Air Flow Ctrl, 12" ST, 185258/123505 scfh	SF SAC
SF Air Flow Ctrl, 16" ST, 292650/195100 scfh	SF SAC
SF Air Flow Ctrl, 20" ST, 460044/306696 scfh	SF SAC
SF Air Flow Ctrl, 24" ST, 665080/443387 scfh	SF SAC
SF Air Flow Ctrl, 28" ST, 909171/606114 scfh	SF SAC

SMARTFIRE™ End Items	SMARTFIRE™ Configured Items
SMARTFIRE™ Oxygen/Air Flow Controllers	
SF Oxy/Air Flow Ctrl, 2" SS, 6000/3000 scfh	SF SSOC, SF SSAC
SF Oxy/Air Flow Ctrl, 3" SS, 12500/9000 scfh	SF SSOC, SF SSAC
SF Oxy/Air Flow Ctrl, 4" SS, 25000/12500 scfh	SF SSOC, SF SSAC
SF Oxy/Air Flow Ctrl, 6" SS, 50000/25000 scfh	SF SSOC, SF SSAC
Interface Panels	
SF Interface Panel	SF PNL
SF Interface Panel / Enclosure	SF PNL
SPARES / ACCESSORIES / STOCKED SUBS	
SF Valve-Actuator (Hi-Torque)	SF ACT RSP
SF Burner Brain	SF BRN RSP
Fuel Flow Sensors	
SF Gas Flow Sensor, 2" ST, 6000/3000 scfh	SF SNSR RSP
SF Gas Flow Sensor, 3" ST, 12500/9000 scfh	SF SNSR RSP
SF Gas Flow Sensor, 4" ST, 25000/12500 scfh	SF SNSR RSP
SF Gas Flow Sensor, 6" ST, 50000/25000 scfh	SF SNSR RSP
SF Gas Flow Sensor, 6" ST, 100000/75000 scfh	SF SNSR RSP
Air/Oxygen Flow Sensors	
SF Air Flow Sensor, 60/40 ft/sec	SF SNSR RSP
SF Oxy/Air Flow Sensor, 6000/3000 scfh	SF SNSR RSP
SF Oxy/Air Flow Sensor, 12500/9000 scfh	SF SNSR RSP
SF Oxy/Air Flow Sensor, 25000/12500 scfh	SF SNSR RSP
SF Oxy/Air Flow Sensor, 50000/25000 scfh	SF SNSR RSP

SMARTFIRE™ Spare Parts & Accessories

Description	Part Number
SF Burner Brain	SF BRN RSP
SF Flow Sensor	SF SNSR RSP
SF Valve Actuator	SF ACT RSP
SF Power Supply	1046364
SF User Display	SF UD
SF Telco Gateway	50123081-001
SF Digital Gateway (SLTA)	1056475
SF Lonworks USB Cable (SLTA)	50110072-001
SF Lonworks Power Supply (SLTA)	1129422
SF Lonworks PC Card	1129419
SF Lonworks PC Card Cable	50110071-001
SF Lonworks USB-NIC Card & Cable	50112384-001
SF Control Cable (100 ft.)	1055654
SF Control Cable (500 ft.)	59829