

CUSTOMER ORDER SPECIFICATION FOR HALE SMR CAFSPRO STAINLESS STEEL REAR MOUNT FIRE PUMP

Customer Name: _____ Customer P.O. NO.: _____
 Order Prepared By: _____ Hale Customer NO.: _____ Date: _____
 Fire Dept. Name: _____ City: _____ State: _____
 Requested Delivery Date: _____
 Max. Elevation for Pump Test: _____
 Reference Specifications: _____

Engine: Mfr: _____ Model: _____ Horsepower: _____ @ _____ RPM
 Full Load Governed RPM: _____ Peak Torque: _____ LB/FT @ _____ RPM
 Application confirmed with: _____

Additional Information Required for PTO Drive:
 Truck Transmission: _____ Manufacturer: _____ Model: _____
 PTO: Model _____, % _____, Torque Rating _____, Rotation _____

1. Pump Model (Circle price of Model Desired): (SCHEDULE F DISCOUNT)

Price includes: Mounting Platform, Horizontal Gear box; suction extension; manifold, TPM, discharge manifold; 4" tank to pump valve; check valve

Flow (GPM)	1000	1250	1500
SMR-A	100	125	150
	21,546	21,546	21,546

1A. Pump Light Kit Option (Check Applicable Box(es)):

- NFPA Midship Light Kit \$159
- No Light Kit N/C

1B. Pump Manual Option (Check Applicable Box(es)):

- Paper Manual version \$36
- CD Version (2) N/C

1C. Panel Placard Option (Check Applicable Box(es)):

- Stamped S/N Placard \$29
- No Panel Placard N/C

2. NFPA Rating: Options Available

- None N/C
- Provided \$200

3. Pump Rotation

- Standard Engine Rotation N/C

4. Pump Drive (Check One Box)

- A - Gear Box Horizontal RH N/C

4A Pump Ratio ("A" Gearbox only) (Check One Box)

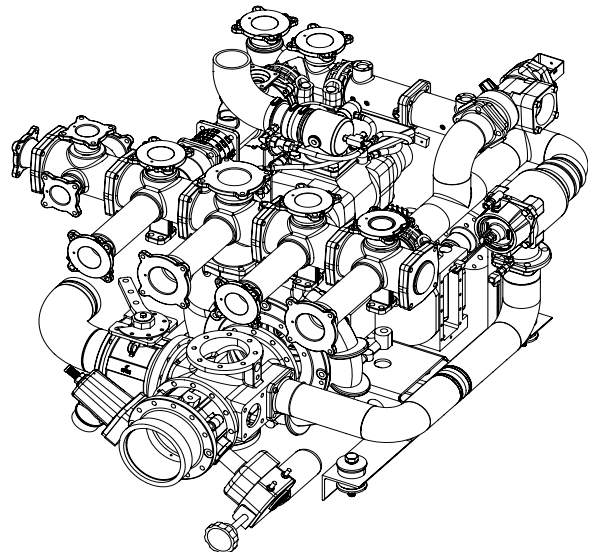
Ratio		
1.25	-12	
1.40	-14	
1.59	-15	
1.81	-18	
1.97	-20	
2.16	-21	
2.37	-23	

5. Suction Tube (Check One Box)

- 6 NST x 4 \$319
- None N/C

6. Master Intake Valve (Circle Price of Models Desired):

2505	MIV-M (End Mount)
3549	MIV-E (End Mount)
108	ABV (Air Bleeder Valve)
68	Extension Harness



TERMS: 2% - 10 Days, Net 30 Days. 1-1/2% per month added to invoice after 30 days.

NOTE: Hale reserves the right to make improvements in design and materials and changes in price without notice
 ALL PRICES ARE U.S. DOLLARS F.O.B. CONSHOHOCKEN, PA 19428 USA

SMR-AC-140 CAFSProStainless Max Rear Mount

2009

7. Suction Flanges

	U	V	W*
Open	12	23	
Blank	60	60	
Anode	165	165	
Suction RV	277	277	

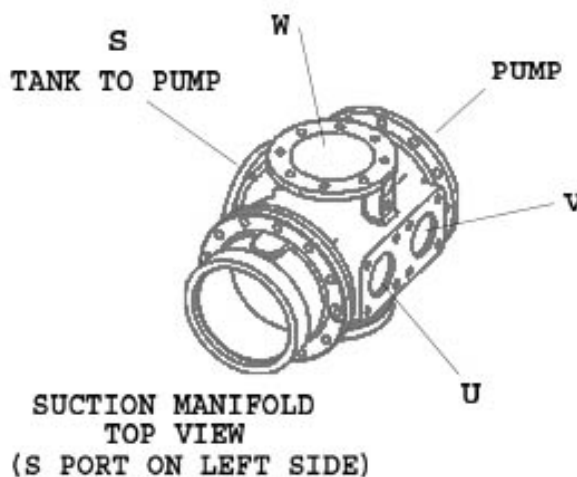
*4" Tank to Pump Valve and Check Valve included in base price

8. Discharge Manifold (Check One)

- Standard Stainless Manifold N/C
- Optional 3 additional CAFS Discharge Stainless Manifolds \$1454

9. Volute Position (Circle position desired below)

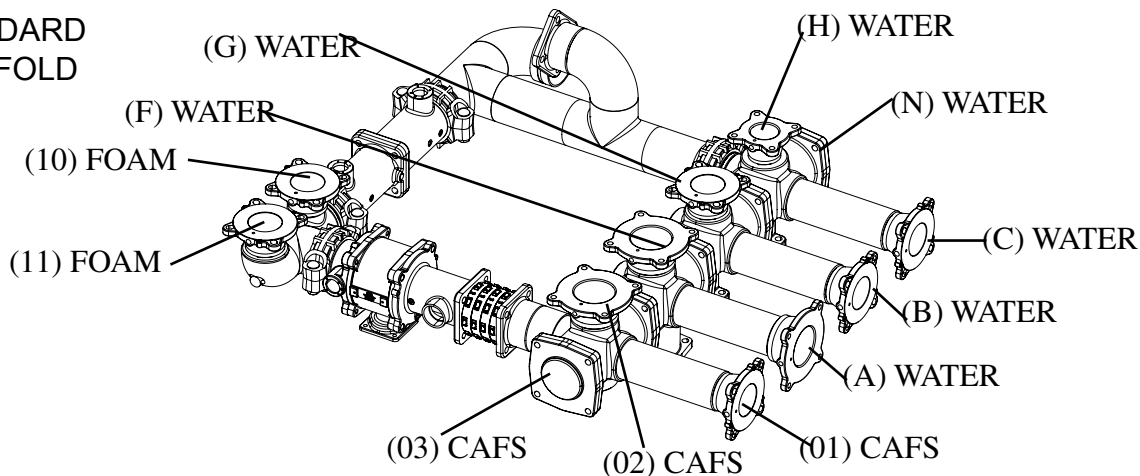
- Vertical Position N/C



10. Pro Tech Warranty (PUMP ONLY) (NET PRICE, NO DISCOUNTS)

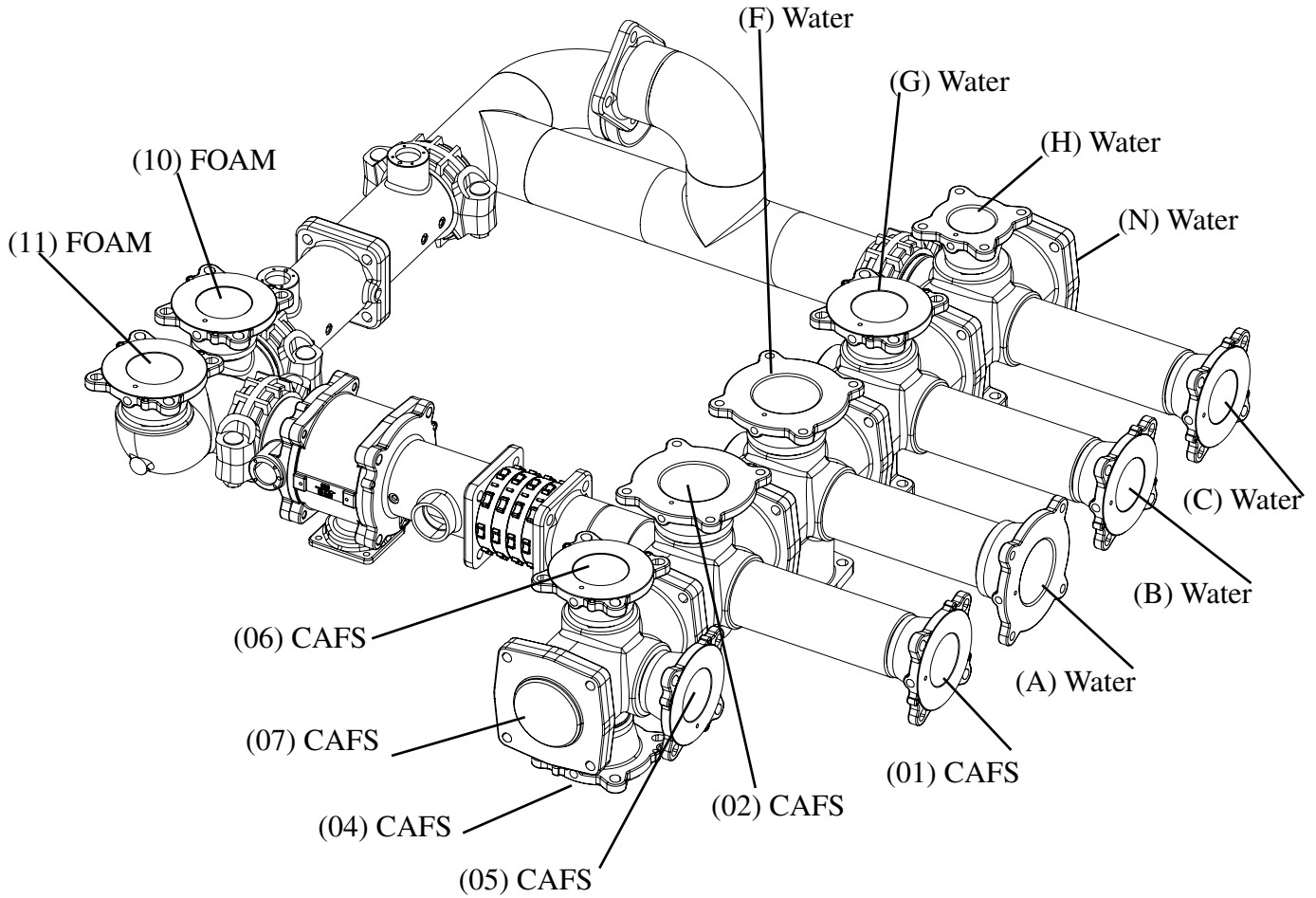
- Standard 5 Year Warranty (Parts and Labor for the first two years, parts only years 3-5) N/C
- Pro Tech Extended Warranty - 1 Additional Year of Labor \$250
- Pro Tech Extended Warranty - 2 Additional Years of Labor \$750
- Pro Tech Extended Warranty - 3 Additional Years of Labor \$1500

STANDARD MANIFOLD



STANDARD DISCHARGE MANIFOLD OPTIONS												
	A	B	C	1	2	3	F	G	H	N	10	11
Closed	150	150	150	150	50	N/C	250	50	50	STD	50	50
2" UVF					STD	STD	260	STD	STD	260	STD	200
2 1/2" UVF	STD	STD	STD	STD	270	200	270	250	270	350	270	STD
3" UVF	200	200	200	200	350	270	STD	350	350	400	350	270
4" UVF	250									450		
3" Victaulic	250	250	250	250	250	250	250	250	400	250	250	250
TRV								475				
TRV-L								775				
OPEN						15				15		

OPTIONAL MANIFOLD



OPTIONAL DISCHARGE MANIFOLD OPTIONS															
	A	B	C	1	2	4	5	6	7	F	G	H	N	10	11
Closed	150	150	150	150	50	N/C	N/C	50	STD	250	50	50	STD	50	50
2" UVF					STD	STD	STD	STD	350	260	STD	STD	260	STD	200
2 1/2" UVF	STD	STD	STD	STD	270	200	270	350	400	270	270	270	350	270	STD
3" UVF	200	200	200	200	350		350	400	400	STD	350	350	400	350	270
4" UVF	250													450	
3" Victaulic	250	250	250	250	250	250	300	250	400	250	250	400	250	250	250
TRV											475				
TRV-L											775				
OPEN						15			15				15		

CAFSPRO System

Please Note: All CAFSPRO and foam system component pricing is subject to schedule E discount.

CAFSPRO Manifold Selection

NOTE: Manifold flow rating refers to rated capacity for all manifold discharges combined during water operations.

NOTE: Manifolds are built standard with Hale valve flanges.

- 750 GPM manifold with Hale valve flange connections (up to 3 CAFS discharges)
P/N 546-3130-00-0 \$45,024

Standard CAFSPRO system includes the following:

- 140 CFM rotary screw air compressor mounted and driven by the pump gearbox
 - o Air pressure regulator assembly integrated into compressor
- Oil reservoir/separator tank mounted to pump and plumbed
- Water to oil heat exchanger mounted to pump and plumbed

- Stainless steel manifold assembly mounted on pump and tested
 - o 1 stainless steel water/foam solution check valves
 - o Up to 3 CAFS discharge choices
 - o 1 foam solution discharge
 - o Water flow sensors and pressure transducers
 - o Foam and air injection check valves installed
 - o 4 Hale X mixer flanges installed
 - o ARC valve and operating cylinder
 - o Complete CAFSPRO wiring harness (mounted, plumbed and tested)
 - o FoamLogix flowsensor cable

- (2) Air operated 6-port drain valves
 - o (1) Automatically drains CAFSPRO manifold
 - o (1) Pump drain

- Operating cylinder for tank to pump valve (Mounted, adjusted and tested)

The following components are shipped loose with the Hale CAFSPRO system:

- CAFSPRO digital display
- FoamLogix digital display
- 4-1/2 inch duplex master pressure gauge sub-assembly
- 2 Operation manuals
- 2 Installation manuals
- 4 Hale X mixers with seals for deck gun piping.
- Hale CAFSPRO delivery and operation program at end user facility (One day (6 hours) training within continental US)
- FoamLogix 5.0 single tank foam proportioning system standard configuration and pricing as shown.

ALL CAFSPRO AND FOAMLOGIX OPTIONS ARE SUBJECT TO SCHEDULE "E" DISCOUNTS.

FOAMLOGIX MINIMUM REQUIRED STANDARD CONFIGURATION

The FoamLogix foam system required with the CAFSPro system is configured for a single foam tank system with the NO FLUSH option.

Required with the standard CAFSPro system are:

FoamLogix Model 5.0 (12 VDC)	\$7,214
No Flush/Single Tank System	\$ 157
Power filter kit	\$ 198
In-line strainer/valve assembly	\$ 213
Side mount low tank sensor	\$ 89

OPTIONAL FOAMLOGIX CONFIGURATION

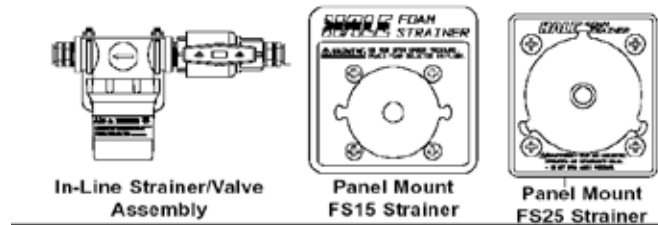
If a dual foam tank system is specified or other type of strainer or low tank sensor are desired circle price of selection(s) below.

NOTE: A strainer and low tank level sensor are required.

NOTE: The CAFSPro system is a 12 VDC system. If a 24 VDC system is required, consult factory for pricing and availability

CONTROL CABLE		
6 PIN EXTENSION	QTY	PRICE EACH
6.6 FEET		85
16.4 FEET		117

STRAINERS	
FOAM CONCENTRATE STRAINER	
	TANK A (CLASS A)
FS15 STRAINER	573
FS25 STRAINER	783
FOAM CONCENTRATE STRAINER	
	TANK B (CLASS B)
IN-LINE STRAINER/ VALVE ASSEMBLY	213
FS25 STRAINER	783



TANK SYSTEMS					
SINGLE TANK SYSTEM			HARNESS EXTENSION		
SELECTOR	INSTRUCTION PLACARD	QTY	PRICE EACH	QTY	PRICE EACH
MST	876	159			31
DUAL TANK SYSTEM			COLOR CODED AIR HARNESS		WIRING HARNESS EXTENSION
SELECTOR	INSTRUCTION PLACARD	QTY	PRICE EACH	QTY	PRICE EACH
ADT (12 VDC)	2237	INCLUDED		78	42
MDT II	1373	159			42

TANK SENSORS	
TANK SENSOR	
	TANK B
TOP MOUNT SENSOR	358
SIDE MOUNT SENSOR	89
BOTTOM MOUNT SENSOR	126
TANK SENSOR	
	TANK A (CLASS A)
TOP MOUNT SENSOR	358
BOTTOM MOUNT SENSOR	126

Top Mount Sensor
Side Mount Sensor
Bottom Mount Sensor

PART NUMBER	ITEM DESCRIPTION	WEIGHT LBS (KG)	LIST PRICE
108-0650-00-0	Air to Oil Auxillary Cooler Standby cooler is recommended for high ambient temperature environments where water temperatures are high. Auxillary cooler prevents pump or compressor overheat during standby conditions when no water is flowing. Ships loose for OEM mounting	35(16)	2,199
115-1301-50-0	X-Mixer Kit X-Mixer kit consists of (4) patented Hale X-Mixers and seals for use on portable deluge guns and other short hose line discharges.	8 (3.6)	238
546-2730-10-0	Auto-Tank fill system 2-1/2" victaulic x victaulic (726-0808-31-0 Valve) Shipped loose (Includes panel controls, Class 1 master tank level gauge, Pressure Transducers, Installation Harnesses)		6,100
546-2730-11-0	Auto-Tank fill system 2-1/2" NSt 30° droop x Victaulic (726-1508-31-0 Valve) Shipped loose (Includes panel controls, Class 1 master tank level gauge, Pressure Transducers, Installation Harnesses)		6,100
546-2730-12-0	Auto Tank fill system 2-1/2: NH x Vicatulic (726-2810-31-3 Valve) Shipped loose (Includes panel controls, Class 1 master tank level gauge, Pressure Transducers, Installation Harnesses)		6,100
546-2770-00-0	Tank to pump air override (Installed) (Required if manual tank valve operator linkage not provided)		903
726-0808-31-0	Manual Direct Tank Fill Valve - 2.5 inch Vicatulic x Victaulic. Shipped loose. Includes electric valve operator and panel mount electric valve control		1,814
	Additional consecutive days (6hours) of Delivery & Operation training (same location)		1500/day net
	Customized CAFSPro Training Programs (i.e. Operation, Maintenance, etc.)	Call 610-715-7903	

* A *minimum* of a manual direct booster tank fill valve is required with CAFSPro. Autofill is recommended.

** Schedule B discount item

CAFSPro Class 1 Stainless Steel Manifold Configuration

The Class 1 stainless steel manifold assembly includes stainless steel check valves and stainless steel motionless mixers in addition to Class 1 flow sensors and connections for air and foam injection.

CAFSPro manifolds are supplied with universal valve connection flanges on the outlets. Using current SVS Valve price list and configuration guide select valve configurations for designated outlets. Provide configured valve part number in blank provided next to outlet. CAFSPro manifold valves will be added to sales order as separate line items subject to schedule E discount.

NOTE ABOUT HALE SVS VALVE CONFIGURATION FOR CAFSPRO MANIFOLD MOUNTING - The inlet side adapter for the valve is included as part of the manifold. To configure the valves for the manifold, the inlet section "XX" will show in the valve part number as "00", i.e. "725-0009-06-0. Actuator position is dependent on whether application is rear or side operation panel.

Please make a selection below (check one)

- Rear facing pump panel
- Driver's side pump panel
- Passenger side pump panel

On those manifold outlets where a Hale SVS valve or alternate connection is not indicated will be left blank.



Hale Products, Inc. A Unit of IDEX Corp. 700 Spring Mill Avenue Conshohocken, PA 19428 USA
 TEL: 610/825-6300 1-800/220-HALE FAX: 610/825-9615 www.haleproducts.com

Class 1 A Unit of IDEX Corp. 607 NW 27th Avenue Ocala FL 34475 USA
 Tel: 352-629-5020 800-533-3569 Fax: 352-629-2902 www.class1.com