

Hale Qmax^{XS} UltraView SmartCAFS Order Specification 2024

Customer Name: _____ Customer P.O. _____
NO.: _____
Order Prepared By: _____ Hale Customer
NO.: _____ Date: _____
Fire Dept. Name: _____
City: _____ State: _____
Fire Department Contact Information (For Delivery Program): _____
Requested Delivery Date: _____ Max. Elevation for Pump _____
Test: _____ FT
Reference Specifications: _____
Engine: Mfr: _____ Model: _____ Horsepower: _____
@ _____ RPM
Full Load Governed RPM: _____ Peak Torque: _____ LB/FT @ _____ RPM
Application confirmed with: (for applications not on list)

Pump Model		Schedule A Discount
1	Qmax 1000 GPM	\$30,602
2	Qmax 1250 GPM	\$30,602
3	Qmax 1500 GPM	\$30,602
4	Qmax 1750 GPM	\$30,602
5	Qmax 2000 GPM	\$30,602
6	Qmax 2250 GPM	\$30,602
7	Qmax 4000 LPM	\$30,602
8	Qmax 5000 LPM	\$30,602
9	Qmax 6000 LPM	\$30,602
10	Qmax 7000 LPM	\$30,602
11	Qmax 8000 LPM	\$30,602

Rating based on (3) 6-inch suction hoses per NFPA

Pump Configuration includes:

- Three (3) Alloy Anodes (2 suction, 1 discharge)
- Thermal Relief Valve 120 (on Port B)
- Mechanical Seal
- 4" Air Operated tank valve (on Port S) (includes tank to pump check valve)
- Tachometer Drive (no cable or panel adapter)
- VPS Shift with Control

NFPA Pump Light Kit		Schedule A Discount
1	No Light Kit	\$0
2	NFPA Midship Light Kit	\$412

Pump Manual		Schedule A Discount
1	USB Version (x2)	\$0
2	Paper Manual Option	\$550

NFPA Panel Placard		Schedule A Discount
1	No Panel Placard	\$0
2	Stamped S/N Placard	\$56

Paint Option		Schedule A Discount
1	Hale Black Finish Coat	\$0
2	Hale Silver Finish Coat	\$450
3	Hale Red Finish Coat	\$450

Pump Body Configuration		Schedule A Discount
Selection Number		
1	2	3

Priming System		Schedule A Discount
1	No primer	\$0
2	ESP-12 w/ PVG Valve	\$1,405
3	ESP-12 w/ SPV Valve	\$2,638
4	ESP-24 w/ PVG Valve	\$2,254
5	ESP-24 w/ SPV Valve	\$3,647

Suction Extension		Schedule A Discount	
Price		LEFT	RIGHT
\$638	(178-0063-00-0)		
\$812	X Bottom (178-0063-01-0)		
\$370	OMIT		

Port Locations	O	P	T
Cast Solid			STD
3 Inch (4 Bolt)			
4 Inch (8 Bolt)	STD	STD	\$500
6-3/8 Inch (12 Bolt) Port T w/ 6-3/8 inch opening is required on 2250 GPM pump			\$727

Pressure Control Options		Schedule A Discount
1	No Relief Valve (port plug)	STD
2	TPM Relief Valve System (Shipped Loose)	\$7,334
3	Dual TPM with PMD control Requires 2250 GPM (rating based on (3) 6-inch suction hoses per NFPA) (Shipped Loose)	\$11,788

Pressure Governor Options		Schedule A Discount
1	Sentry Pressure Governor with Twister Throttle Control	\$3,270
2	Sentry Pressure Governor Only	\$2,508

Drive Unit		Schedule A Discount
Drive Unit with Mechanical Seal		
LC		\$11,531
XC	Verify Ratio with Factory	\$12,217

Drive Shaft		Schedule A Discount
1	Split Shaft - No Control Valve	\$0
2	Split Shaft - With Control Valve	\$351
3	PTO Drive - No Through Shaft	\$2,362

Drive Unit Shift and Tach Cable (VPS with control included in pump configuration)		Schedule A Discount
Auxiliary Override Option		

1	Manual Shift Override, 72" Cable	\$1,968
2	Manual Shift Override, 55" Cable	\$2,010
3	NLA	NLA
4	Manual Shift Override, 130" Cable	\$2,246

Tachometer (G series only)		
1	Panel Adapter Only	\$194
2	Cable and Panel Adapter	\$458

Suction Tubes		Schedule A Discount	
Price	NST x Length	LEFT	RIGHT
\$442	6 x 4		
\$399	6 x 6		
\$402	6 x 7		
\$460	6 x 9		
\$237	1 Inch Spacer *		
\$173	OMIT		
\$2,308	Fill Thief *		

*Note: Fill Thief requires an MIV. Fill Thief fitting is exposed and requires a notched pump panel.

*1 inch spacer required on either side if MIV is selected

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Tank Suction	Schedule A Discount	Optional Right T (8 bolt)*	Optional Right T (12 bolt)*
S opening is standard and includes 4" SVS with 4 inch NPT/5 inch Victaulic connector, 8-bolt 3.5" pump mount adapter (841-4006-06-0), corrosion resistant check valve. Special machining for T bolt is optional and an additional cost.			
Flanges			
Blank		\$38	
3 Inch NPT		\$188	
3 Inch NPT 4° angle		\$216	
4 Inch NPT		\$209	
4 Inch NPT 4° angle		\$243	
6 Inch NPT*			\$425
5 Inch Victaulic **			\$682
5 Inch Victaulic angled **			\$224
6 Inch Victaulic **			\$733
6 Inch Victaulic angled **			\$1,225
Check Valve Only		\$177	
Check Valve with Plate (required with 4 Inch NPT flange)		\$494	
MIV-E **			\$5,844
MIV Air Bleeder Valve (ABV)			\$252
MIV Extension Harness			\$192
MIV Relief Valve SS 2-1/2 Inch NPT			STD
MIV Relief Valve SS 2-1/2 Inch NST			\$0
MIV Relief Valve SS 2-1/2 Inch VIC			\$0
Direct Mount for Valve		\$0	\$0

MIV requires 6 MPT, 5 Victaulic, 5 Victaulic Angle, 6 Victaulic Angle Flange. Make selection above

* 4 Inch (8 bolt) special machining required

** 6-3/8 Inch (12 bolt) machining required

Master Intake Valve		Schedule A Discount			
check box(es) of option desired					
	MIV Relief Valve	Price	Left	Right	Loose
1	MIV-M (Side Mount)	\$4,094			
2	MIV-E (Side Mount)	\$5,651			
3	MIV-E (Bottom Mount Front Operation)	\$5,844			
4	MIV-E (Bottom Mount Rear Operation)	\$5,844			
5	ABV Air Bleeder Valve	\$252			
6	Extension Harness	\$192			
7	Stainless Steel 2-1/2 Inch NPT	STD			
8	Stainless Steel 2-1/2 Inch NST	\$0			
9	Stainless Steel 2-1/2 Inch VIC	\$0			

NOTE: MIV Bottom mount valves require a 6 NPT, 5 Victaulic or 6 Victaulic flange to attach piping. Refer to SUCTION FLANGES Selection.

NOTE: When bottom MIV is ordered on right side, the heat exchanger moves to Port N and PG 30 is mounted at Port F

Anode Pro		Schedule A
Discount		
Anode Pro consists of an Anode Minder Monitor Box that can monitor up to three Intelligent Anodes. Anode Pro with Minder does not include the Intelligent Anodes.		
1	None	\$0
2	Anode Pro with Minder	\$396

Suction Flanges		Schedule A Discount						
circle desired option								
		PRICE	U	UT	Bottom	V	VT	XT
Open / Blank		\$17						
2-1/2 Inch		\$86						
2-1/2 Inch angled		\$168						
3 Inch		\$134						
3 Inch angled		\$148						
Magnesium Anode with Flange		\$274						
Alloy Anode with Flange		\$164		STD		STD		
Intelligent Anode with Flange		\$248						

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6 Inch NPT	\$425							
5 Inch Victaulic	\$682							
5 Inch Victaulic angled	\$224							
6 Inch Victaulic	\$733							
6 Inch Victaulic angled	\$1,225							

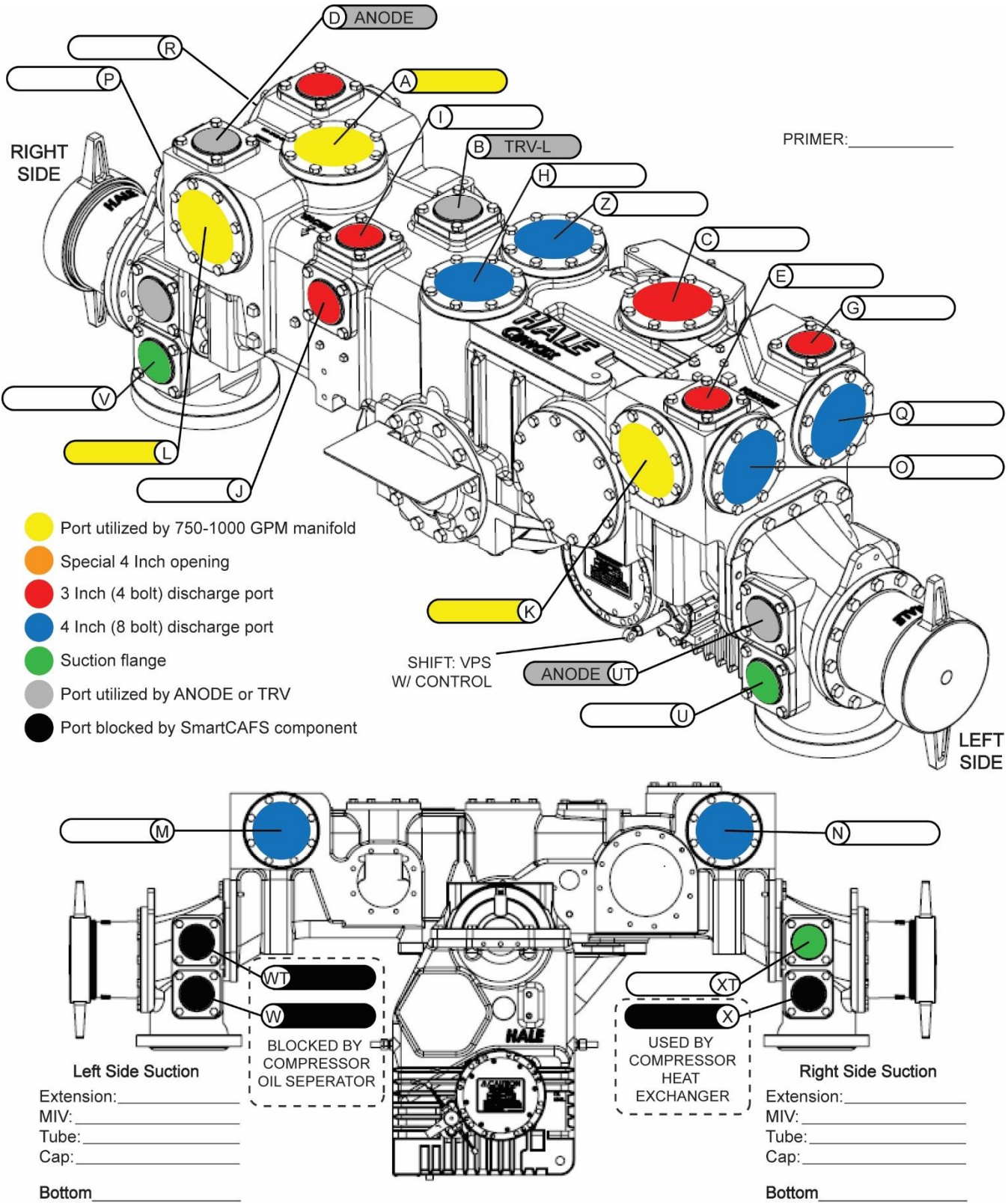
Desired panel width (in inches)			
70"	72"	74"	76"

Pro Tech Warranty on PUMP (fire service applications only)		Net price, no discounts
Standard 5 Year Warranty (parts and labor for the first 2 years, parts only in years 3-5)		\$0
Pro Tech Warranty – 1 additional year of labor		\$250
Pro Tech Warranty – 2 additional years of labor		\$750
Pro Tech Warranty – 3 additional years of labor		\$1,500

The next section shows all the available port options on the pump. Use the graphics to fill out and reference what options you would like then fill out the following price sheet to calculate the cost of the options.

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Discharge Flanges

3 Inch (4 bolt) Discharge Connections		Schedule A Discount						
Port Connection	Price	B	D	E	F	G	I	J
Blank / Open	\$17							
2-1/2 Inch NPT	\$88							
3 Inch NPT	\$134							
2-1/2 Inch NPT 4° angle	\$168							
3 Inch NPT 4° angle	\$148							
Hale Direct Valve Mount	\$0							
TRV-120 Thermal Relief Valve	\$589							
TRV-120L Thermal Relief Valve	\$965	STD						
TRV-170 Thermal Relief Valve	\$764							
TRV-170L Thermal Relief Valve	\$1255							
Magnesium Anode w/ flange	\$274							
Alloy Anode w/ flange	\$164		STD					
Intelligent Anode w/ flange	\$248							

4 Inch (8 bolt) Discharge Connections		Schedule A Discount											
Port Connection	Price	A	C	H	K	L	M	N	O	P	Q	R	Z
Hale Direct Valve Mount	\$0	Utilized by CAFS manifold			Utilized by CAFS manifold	Utilized by CAFS manifold							
Blank / Open	\$36												
2-1/2 Inch NPT	\$202												
2-1/2 Inch NPT 4° angle	\$209												
3 Inch NPT	\$188												
3 Inch NPT 4° angle	\$216												
4 Inch NPT	\$209												
4 Inch NPT 4° angle	\$243												
TRV-120 Thermal Relief Valve	\$589												
TRV-120L Thermal Relief Valve	\$965												
TRV-170 Thermal Relief Valve	\$764												
TRV-170L Thermal Relief Valve	\$1255												
Magnesium Anode	\$274												
Alloy Anode	\$164												
Intelligent Anode	\$248												

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SmartCAFS System

Schedule G Discount

Operator panel (For valve orientation): ☐ Top ☐ Side
Pump compartment width (from inside operator panel to inside officer side panel): _____ Inches

SmartCAFS 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. See Manifold configuration sheets for valve configuration or other flange options.

- | | |
|---|----------|
| <input type="checkbox"/> 750 – 1000 GPM manifold (up to 5 CAFS discharges) - mounts at side ports A, K, & L | \$56,530 |
| <input type="checkbox"/> 750 – 1000 GPM manifold and deck gun bypass piping (up to 5 CAFS discharges)
- Mounts at side ports A, K, & L | \$60,608 |
- Includes:
Deck Gun CAFS Valve with Controller and Analog Gauge
Deck Gun Water Valve Mounted at Port H

☐ Custom Manifolds [Upcharge, quoted per job]

Contact Hale for custom pricing

Standard UltraView SmartCAFS system includes the following:

- 210 CFM rotary screw air compressor mounted and driven by the pump gearbox
 - 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
- Programmable delayed start air compressor clutch
- Stainless steel manifold assembly mounted on pump and tested
 - 2 stainless steel water/foam solution check valves
 - Up to 5 CAFS discharge choices
 - Up to 2 foam solution discharge choices
 - Water flow sensors and pressure transducers
 - Foam and air injection check valves installed
 - 4 Hale X mixer flanges installed
 - ARC valve and operating cylinder
 - Complete UltraView SmartCAFS wiring harness (mounted, plumbed, and tested)
 - Foam proportioning system flow sensor cable
- (2) Air operated 6-port drain valves
 - Automatically drains SmartCAFS manifold
 - Pump drain
- Operating cylinder for tank to pump valve (Mounted, adjusted and tested)

The following components are shipped loose with the Hale UltraView SmartCAFS system:

- UltraView SmartCAFS controller (7 Inch diagonal size color display)
- SmartCAFS sensor module
- 2 Installation & Operation manuals
- 4 Hale X mixers with seals for deck gun piping. (Installed in manifold when deck gun bypass is ordered)
- Hale UltraView SmartCAFS delivery and operation program at end user facility. *One day (6 hours) training within continental US*

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FOAM PROPORTIONING SYSTEM MINIMUM REQUIRED STANDARD CONFIGURATION

The foam proportioning system is standard with a single foam tank system, NO FLUSH option, in-line strainer, and side mount sensor.

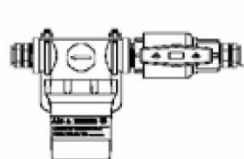
Required with the standard UltraView SmartCAFS	Voltage	Select One	Schedule G Discount
Foam Proportioner Model 3.3 (12VDC or 24VDC)	12V	24V	\$8,908
Foam Proportioner Model 5.0 (12VDC or 24VDC)	12V	24V	\$9,315
Foam Proportioner Model 6.5 (12VDC or 24VDC)	12V	24V	\$11,597
Foam Proportioner Model DUAL 6.5 (12VDC or 24VDC)	12V	24V	\$17,613

OPTIONAL FOAM PROPORTIONING 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 (a strainer and low tank sensor are required).

Strainers, tank A (Class A Foam) Schedule G Discount	
FS15 Strainer	\$876
FS25 Strainer	\$1,195
Strainers, tank B (Class B Foam) Schedule G Discount	
In-line Strainer/Valve assembly	\$362
FS25 Strainer	\$1,195



In-line Strainer/Valve assembly



FS15 Strainer



FS25 Strainer

EZ-Fill, 5 GPM, Schedule G Discount	
12 volt foam reservoir fill system	
Single tank	501-4430-00-0 \$2,823
Dual tank	501-4430-01-0 \$3,163
24 volt foam reservoir fill system	
Single tank	501-4430-24-0 \$3,633
Dual tank	501-4430-25-0 \$3,931

All Hale EZ-Fill Single Tank System include:

- (1) EZ-Fill 5 GPM pump/electric motor assembly with 3-way Fill/Flush valve
- (1) Smart switch panel mounted control
- (1) Clear suction wand with cam lock fitting connection and integral strainer
- (1) Wiring harness complete with power and ground connections
- (1) Panel mounted cam lock pump panel mounted suction connection
- (1) Top mount high level tank switch
- (2) Cam lock caps

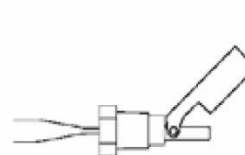
Single Tank System with FLUSH Schedule G Discount		Harness extension	
Selector	Instruction Placard	QTY	Price EA
MST	\$1,334	\$180	\$22

Dual Tank System with FLUSH Schedule G Discount		Harness Extension	
Selector	Instruction Placard	QTY	Price EA
ADT	\$3,661	\$180	\$96
12V 24V	ADT Color coded air harness		\$92
MDT II	\$2,083	\$180	\$107

Tank A Sensor Schedule G Discount	
Side Mount Sensor	STD
Bottom Mount Sensor	+\$131
Top Mount Sensor	+\$481
Tank B Sensor Schedule G Discount	
Side Mount Sensor	\$97
Bottom Mount Sensor	\$228
Top Mount Sensor	\$578



Top mount



Side mount



Bottom mount

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Air Injection Valve Option		Schedule G Discount
1	Air Valve (standard, no air flow display)	STD
2	Air Sensing Valve (air flow displayed on UltraView SmartCAFS)	\$3,687

Additional UltraView SmartCAFS Accessories (shipped loose)			Schedule G Discount
Part Number	Item Description	QTY:	List Price
610-00038	Ultraview SmartCAFS controller for multiple panel operation. SmartCAFS can be setup to be used with up to 13 different controllers (includes only additional controllers)	_____	\$4,057 (per additional display)
538-00048-250	UltraView SmartCAFS Auto Tank Fill system 2-1/2 inch: Victaulic x Victaulic CAN controlled electric valve (200-00099-000) Shipped loose. Includes Class 1 master tank level gauge (4 light), pressure transducer, installation harnesses, check valve and inlet relief valve.		\$9,872
538-00048-300	UltraView SmartCAFS Auto Tank Fill system 3 inch: Victaulic x Victaulic CAN controlled electric valve (200-00099-000) Shipped loose. Includes Class 1 master tank level gauge (4 light), pressure transducers, installation harnesses, check valve and inlet relief valve.		\$10,004
826-0808-31-0	Manual Direct Tank Fill Valve 2-1/2 inch: Victaulic x Victaulic. Shipped loose. Includes electric valve operator and panel mount electric valve control.		\$4,983
115-1301-50-0	One mixer for use on portable deluge guns and other short hose line discharges. Slides into pipe between two grooved couplings.		\$716
32751484-F	Air/Water pressure duplex gauge (400 PSI gauge face) with push-on fittings		\$703
32751487-F	Air/Water pressure duplex gauge (400 PSI / 2800 KPA gauge face) with push-on fittings		\$703
	Additional consecutive days (6 hours) of Delivery & Operation training (same location)		\$2,200/day net
	Customized SmartCAFS training programs (i.e. Operation, Maintenance, etc)		Call 800-533-3569

NOTE: A minimum of a manual direct booster tank fill valve is required with SmartCAFS, but an Auto Tank Fill system is highly recommended.

SmartCAFS 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.

Standard SmartCAFS manifold outlets are identified as follows:

- Up to 5 CAFS outlets: 01, 02, 03, 04, 05
- Up to 3 foam solution outlets: 11, 12, 13

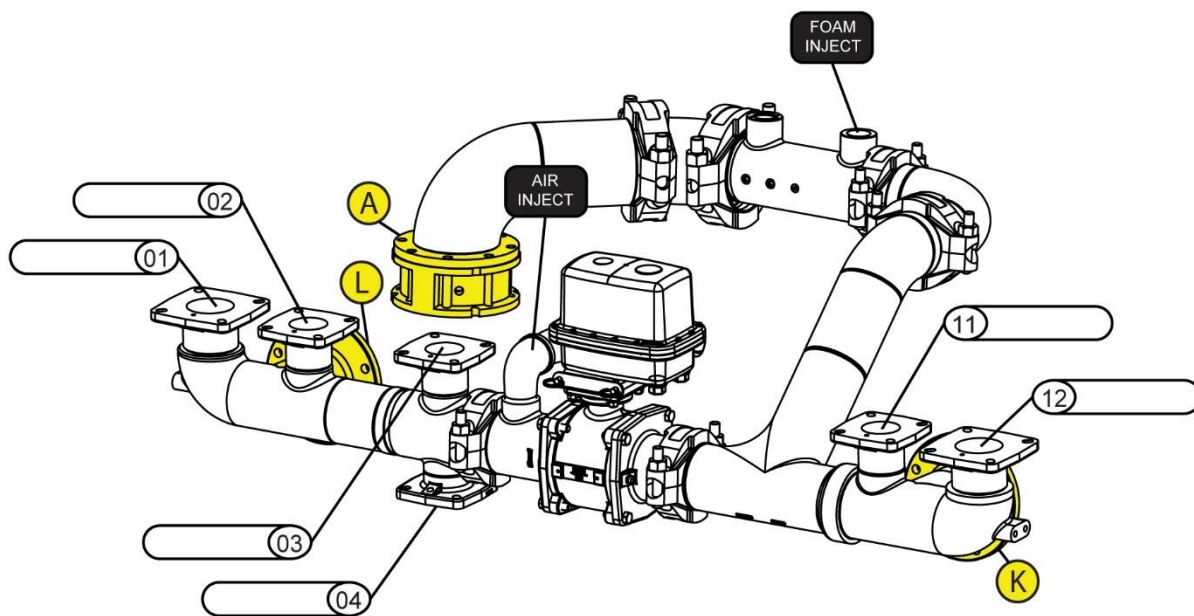
Valve flanges can be replaced on the manifold at designated locations according to the following schedule:

1. Replace with Hale 115 flange \$75.00 each opening
2. Replace with Victaulic grooved pipe \$50.00 each opening
3. Change Hale valve flange size \$75.00 each change
4. Change Victaulic pipe size \$125.00 each change
5. For other valve flange options consult factory

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

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750-1000 GPM MANIFOLD WITH 4 CAFS DISCHARGES



750-1000 GPM MANIFOLD WITH 5 CAFS DISCHARGES

OPT #	Connection	Size	PRICE	Port							
				CAFS 01	CAFS 02	CAFS 03	CAFS 04	CAFS 05	FOAM 11	FOAM 12	FOAM 13
01	Valve	3 Inch (30)	\$100								
01	Valve	2-1/2 Inch (25)	\$100								
01	Valve	2 Inch (20)	\$100								
02	115	3 Inch (30)	\$198								
02	115	2-1/2 Inch (25)	\$100								
02	115	2 Inch (20)	\$197								
03	Victaulic	3 Inch (30)	\$166								
03	Victaulic	2-1/2 Inch (25)	\$68								
03	Victaulic	2 Inch (20)	\$166								
00	Blank	(00)	\$0								

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