



Data Sheet

Form No.	Issue Date	Rev. Date
DS-4011	09/17/98	08/12/09

Eclipse CAFSystem™

Eclipse CAFSystem is available as follows:

Pump Model	Transmission	System Type	Foam Pump Model	Foam Manifold Size	Dimensional Drawing
CMU, CS, CSU (Not available on CM Models)	C20 Series	FoamPro	FoamPro 2001 or FoamPro 2002	500 GPM (2-1/2 in.)	DPL82822
				1000 GPM (3 in.)	
		Advantus	Advantus 3	500 GPM (2-1/2 in.)	DPL82978
				1000 GPM (3 in.)	
			Advantus 6	500 GPM (2-1/2 in.)	DPL82979
				1000 GPM (3 in.)	

Waterous Eclipse CAFSystems consist of three main components mounted on a CM or CS Series Pump as follows:

Manifold Mounted on the Pump:

- *Advantus™ Systems: Stainless Steel 2-1/2 in. (750 GPM max flow) or 3 in. (1250 GPM max flow)*
- *FoamPro™ Systems: Iron 2-1/2 in. (500 GPM) or 3 in. (1000 GPM)*

Foam Pump:

- *Advantus™ Systems: Advantus 3 or 6 (Mounted on the right side (intake adapter))*
- *FoamPro™ Systems: Hypro 2001 or 2002 (Not furnished by Waterous, OEM must supply)*

Compressor:

The compressor is a Waterous 200 CFM mounted on the top center of the pump body. Engagement of the compressor is achieved by use of a pneumatic clutch and belt off the rear of the C20 transmission. The compressor heat exchanger is mounted below the left side intake fitting.

Specify an Eclipse CAFSystem as follows:

1. Foam Pump Model, Manifold Size and Mounting, Low Foam Tank Switch Mounting:

System Type	Foam Pump		Foam Manifold					Available Fire Pump Discharge Fittings (See Note 2)	Foam Tank Level Switch Mounting
	Model	Voltage	Size	Flow	Mounting on Fire Pump	Discharge			
						Position	Fitting		
Advantus	Advantus 3 Advantus 6	12 or 24 Volt	2-1/2 in.	750 GPM Max	Over the Top or Front	Left or Right	2-1/2 in. Victaulic	71441-30 71442-30 71600-8A 81388-7A 83074-30 83074-31 83074-32	Optional, See Optional Foam Pump Accessories Table
			3 in.	1250 GPM Max	Front			3 in. Victaulic	
FoamPro	FoamPro 2001 (See Note 1)	12 Volt Only	2-1/2 in.	500 GPM	Over the Top or Front	Left or Right	Integral Manifold	71441-30 71442-30 71600-8A 81388-7A 83074-30 83074-31 83074-32	Vertical or Side
			2-1/2 in.	500 GPM	Over the Top or Front			Left or Right	
	3 in.	1000 GPM	Front	Left or Right	3 in. NPT	82325-1			

NOTES:

1. FoamPro foam pump not furnished by Waterous. OEM must supply.
2. One of these fittings must be used to mount the Foam Manifold. Fitting is to be specified on the side of the fire pump opposite the Foam Manifold discharge.

2. Compressor Air Discharge Solenoid Valves:

Standard: With (4) 1/2 in. and (1) 3/4 in. valves

Optional: Without valves, OEM to furnish

3. Optional Foam Pump Accessories

System Type	Item	Description	Part No.	
Advantus	Bottom or Top Mount Low Level Tank Switch	Optional Foam Tank Switch	V 3655-S	
	Side Mount Low Level Tank Switch	Optional Foam Tank Switch	V 3656-S	
	System Schematic Placard	System Schematic Placard	V 3681-S	
	Advantus 3 Ratings Placard	System Ratings Placard	V 3682-S	
	Advantus 6 Ratings Placard	System Ratings Placard	V 3683-S	
	OIT Cable, 3 meter	May be used to extend cables furnished with system.	V 3687-S	
	OIT Cable, 6 meter		V 3688-S	
	Grey Conductivity Cable, 2 meter		V 3689-S	
	Grey Conductivity Cable, 3 meter		V 3690-S	
	Black Conductivity Cable, 2 meter		V 3691-S	
	Black Conductivity Cable, 3 meter		V 3692-S	
	Flow Sensor Cable, 2 meter		V 3693-S	
	Flow Sensor Cable, 3 meter		V 3694-S	
Advantus or FoamPro	Static Mixer, 2-1/2 in. Victaulic Inlet and Outlet		Installed in discharge piping by OEM to mix foam and water.	V 3350-1
	Static Mixer, 2-1/2 in Victaulic, 2-1/2 in. NPT Outlet			V 3350-2
	Static Mixer, 2-1/2 in NPT Inlet, 2-1/2 in. Victaulic Outlet	V 3350-3		
	Static Mixer, 2-1/2 in. NPT Inlet and Outlet	V 3350-4		

4. Optional Iron Foam Manifold Accessories, FoamPro Systems Only:

Description	Part No.	Purpose
2-1/2 in. Check Valve for 500 GPM Iron Flow Pipe	52747-A	OEM orders separately and mounts on 1000 GPM iron flow pipe.
Discharge Manifold Head for 500 GPM Iron Flow Pipe	82187-A	