



Data Sheet

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