

APH 1.5 AROUND-THE-PUMP PROPORTIONING KIT

FPR010

- Foam At All Outlets
- No Friction Loss Or Elevation Restrictions
- Variable Flow Rates
- Simple To Use
- Inexpensive



Description

The Feecon Around-the-Pump Proportioner is a simple and inexpensive way to add foam capability to all discharges of a truck.

The AP System design diverts 85 gpm of the water pump's output from the discharge side of the pump and sends it through an eductor. A vacuum is created at the eductor's foam concentrate inlet, which draws foam concentrate through the metering valve and into the eductor. This foam/water mixture is then sent to the suction side of the water pump where it mixes with the incoming water and is distributed throughout the discharge piping.

Features

- Foam at all outlets
- No friction loss or elevation restrictions
- Variable flow rates
- Simple to use
- Inexpensive

FLOW RATE				
Model	Max Flow gpm (lpm)			
	0.5%	1%	3%	6%
APH 1.5	-	1400 (5300)	1400 (5300)	700 (2650)
APH 1.5-1%	1400 (5300)	1400 (5300)	500 (1900)	-

System Advantages

- Variable Flow Rate - The discharge rate can be adjusted for the specific application. The rate is infinitely variable up to the maximum flow of the unit.
- Variable Pressure - The system operates at any pressure between 125 and 250 psi (8.5 and 17 bar).
- The pump engagement procedure is the same with foam or water.
- No Back Pressure Restrictions - The unit is not affected by hose length or elevation loss.
- No Nozzle Restrictions - The unit operates with any size or type of fixed gallonage nozzle.

Limitations

- All discharges will have either foam or water at the same time.
- The maximum suction pressure is 5 psi.
- The unit will function properly from the tank or draft. In hydrant or relay pumping operations, the inlet

pressure must be limited. A suitable alternative is to install a direct tank fill line, which does not go through the pump. The pump is then operated continuously from the tank.

- All discharges must be flushed after operation, even if they were not used.
- When used with an automatic nozzle the flow must be determined in order to set the metering valve correctly.

System Components

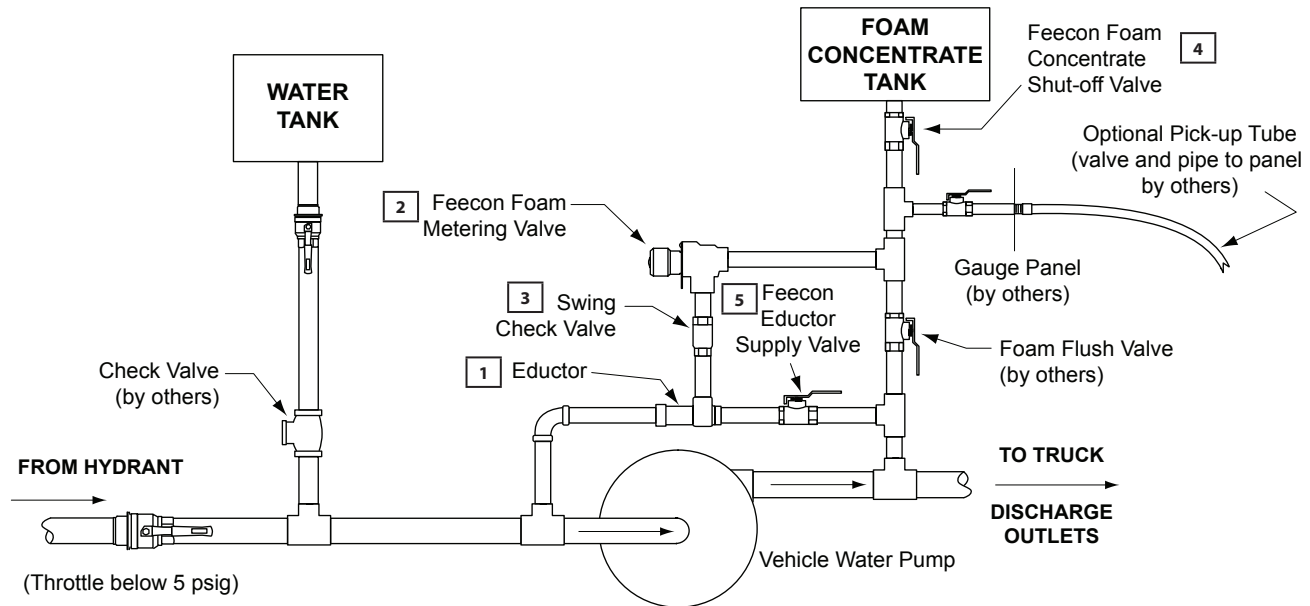
- Eductor
- Metering Valve - Either manual (mounted on the pump panel) or automatic style
- Swing Check Valve - To be mounted between the eductor and metering valve
- Ball Type Shut-off Valves - One valve is installed in the system as the foam concentrate tank shut-off, and the other, piped in before the eductor, is installed as the eductor supply valve. These valves can be customer supplied or supplied in Feecon AP Kits.

Optional Pick-up Tube

Normally the AP kit is used with a built-in foam tank. The optional pick-up tube allows the operator to use foam from an alternate source as well as the tank. The normal installation of this option is with an additional shut-off valve behind the panel and a 1½" male inlet through the panel. This inlet requires a 1½" NH thread. The pick-up tube is threaded onto this inlet when required.

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1	Eductor
2	Freecon Foam Metering Valve
3	Swing Check Valve
4	Freecon Foam Concentrate Shut-off Valve
5	Freecon Eductor Supply Valve

ORDERING INFORMATION

APH 1.5 - CLASS B FOAMS	PART NUMBER
Kit with Ball Valves	3217-7039-4
Kit without Ball Valves	3217-7001-3
APH 1.5-1% - Class A Foams	
Kit with Ball Valves	3217-7039-3
Kit without Ball Valves	3217-7001-8
Retrofit Kit (Converts Old Style Metering Valve to New Style)	
APH 1.5	3217-7001-2
APH 1.5-1%	3217-7001-1

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