



ECUATEPI S.A.

DATASHEET

**FIRE
ENGINEERING**

EXTINGUISHERS

TECHNICAL DATA

HANDLINE EDUCTOR

1. DESCRIPTION

Features

- Corrosion Resistant Brass Construction
- 1-1/2" swivel inlet X 1-1/2" male outlet
- Eductor rated for optimum flow at 200 PSI (14 Bar)
- Furnished with 30" (762 mm) pick up tube
- Variable metering valve
- Removable metering valve
- A large, easy to read metering dial
- Ball check valve prevents back flow into foam concentrate

2. LISTINGS AND APPROVALS

Refer to Table 1

3. TECHNICAL DATA

Specifications:

Pressure Loss: Approximately 35% of the inlet pressure

See Table 1

Material Standards:

See Table 1

Ordering Information:

See Table 1

Accessories:

Pick Up Tube - F14980

Metering Valve for 60 gpm (227 lpm) Eductor - F14981

Metering Valve for 95 gpm (360 lpm) Eductor - F14982



4. INSTALLATION

The Handline Eductor is suitable for use with water, AFFF, AR-AFFF, Fluoroprotein and Class "A" foam concentrates.

5. OPERATION

- Must be used with a nozzle of equivalent flow rate
- Maximum hose lay between eductor and nozzle on level ground using 1 1/2" (3.8 cm) hose is 150 ft. (46m)
- Maximum hose lay between eductor and nozzle on level ground using 2" (5 cm) hose is 300 ft. (91m)
- Normal inlet operating pressure at eductor is 200 psi; however, the eductor can be used at lower inlet pressures with a corresponding reduction in flow rates

6. INSPECTIONS, TESTS AND MAINTENANCE

NOTICE: The owner is responsible for maintaining the fire protection system and devices in proper operating condition. For minimum maintenance and inspection requirements, refer to recognized standards such as those produced by NFPA, LPC, and VdS which describe care and maintenance of sprinkler systems. In addition, the "Authority Having Jurisdiction" may have additional maintenance, testing and inspection requirements which must be followed.

WARNING: Any system maintenance or testing which involves placing a control valve or detection system out of service may eliminate the Fire Protection of that system. Prior to proceeding, notify all Authorities Having Jurisdiction. Consideration should be given to employment of a Fire Patrol in the affected area.

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Table 1: Handline Eductors							
Part No.	Flow:	Inlet:	Proportioning Metering Valve	Weight	Material	Listings & Approvals	Specifically listed with Foam
F09349	60 GPM (227 LPM)	1.5" NPSH	Fixed 3%	10 lbs. (4.5 kg)	Brass	UL / FM	-
F09350	60 GPM (227 LPM)	1.5" NPSH	Fixed 6%	10 lbs. (4.5 kg)	Brass	UL / FM	-
F09510	60 GPM (227 LPM)	1.5" NPSH	Fixed 1%	10 lbs. (4.5 kg)	Brass	UL / FM	-
F09181	98 GPM (371 LPM)	1.5" NPSH	Fixed 3%	10 lbs. (4.5 kg)	Brass	UL / FM	C301 MS, C302, C33 LT, C333
F09184	98 GPM (371 LPM)	1.5" NPSH	Fixed 6%	10 lbs. (4.5 kg)	Brass	UL / FM	C361
F09511	98 GPM (371 LPM)	1.5" NPSH	Fixed 1%	10 lbs. (4.5 kg)	Brass	UL / FM	CUG
F14976	95 GPM (360 LPM)	1.5" NST	Adjustable - .5%, 1%, 3%, 6%	10 lbs. (4.5 kg)	Brass	None	-
F14977	95 GPM (360 LPM)	1.5" NPSH	Adjustable - .5%, 1%, 3%, 6%	10 lbs. (4.5 kg)	Brass	None	-
F14978	60 GPM (227 LPM)	1.5" NST	Adjustable - .5%, 1%, 3%, 6%	10 lbs. (4.5 kg))	Brass	None	-
F14979	60 GPM (227 LPM)	1.5" NPSH	Adjustable - .5%, 1%, 3%, 6%	10 lbs. (4.5 kg)	Brass	None	-

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