

# LOW EXPANSION FOAM BRANCHPIPES (PORTABLE)

## Special Features :

- Designed to aspirate and mix air into the foam solution stream to generate foam
- Produce stable foam at a low inlet foam-water solution pressure
- Improved mobility and fire fighting capability of one man on one hose line
- Compact design and quick changeover from straight stream to spray stream foam on the model IFP-LX-450L( J&S) B.I.
- Long throw
- Light in weight for easy portability
- Corrosion resistant
- Minimal maintenance



## Applications :

These are most useful in a long range of fire and hazardous situations involving combustible solids, flammable liquids and toxic liquid spills etc. Its long throw and rapid coverage with foam, make the unit suitable for outdoor fire situations as well as for areas used for storage of hazardous materials and also for cooling of tank shell with water spray only. The important applications are

- To control fires, involving paint and solvent, toxic liquid spills etc.
- To control fires, involving Liquefied Natural Gas (LNG) and Liquefied Petroleum Gas (LPG) and AMMONIA Spills etc.

Higher capacity low expansion foam branchpipe is also available on request.

## Materials of Construction :

|                           |              |                                                                                                                         |
|---------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------|
| Model                     |              | IFP-LX-225L/IFP-FB 5X, IFP-LX-400L/IFP-FB 10X, IFP-LX-450L, IFP-LX-225L(B.I.) IFP-LX-400L (B.I.) IFP-LX-450L (J&S) B.I. |
| Body/mixing tube/nozzle   |              | Al. Alloy as per IS 733 / IS 738                                                                                        |
| Deflector swing arm       |              | SS as per IS 3444, Grade - I                                                                                            |
| Coupling / discharge tube |              | Al. Alloy as per IS 617                                                                                                 |
| B.I. Model                | Pick up tube | Flexible RF polythene 1 m. Long                                                                                         |
|                           | Piercer      | SS, 500 mm long                                                                                                         |

**SS:** Stainless Steel, **GM:** Gun Metal, **Al:** Aluminium, **CRP:** Chrome Plated, **EP:** Engineering Plastics

**Specification :**

**TECHNICAL DATA ( ± 5%)**

| MODEL                                            | IFP-LX-225L                                | IFP-FB 5X/<br>IFP-LX-225L(B.I) | IFP-LX-400L | IFP-LX-400L<br>(B.I) | IFP-FB 10X   | IFP-LX-450L<br>(J&S)B.I. |
|--------------------------------------------------|--------------------------------------------|--------------------------------|-------------|----------------------|--------------|--------------------------|
| Part Number                                      | 401010                                     | 401011<br>401012               | 401020      | 401021               | 401030       | 401031                   |
| Minimum inlet foam water solution Pressure (bar) | 7.0                                        | 7.0                            | 7.0         | 7.0                  | 7.0          | 7.0                      |
| Foam water solution flow, Nominal(LPM)           | 225                                        | 225                            | 400         | 400                  | 450 /<br>500 | 450 /<br>500             |
| Throw (in metre)                                 | 16                                         | 16                             | 20          | 20                   | 20           | JET -20<br>SPRAY -14     |
| Expansion ratio(typical)*                        | 1 : 7 (minimum)                            |                                |             |                      |              |                          |
| Std. Inlet water connection                      | 63 mm instantaneous male coupling (IS std) |                                |             |                      |              |                          |

\* will depend on ambient temperature and quality of foam concentrate. Values are based on IFP UNILIGHT AFFF at 27°C  
If the flow rating of Branchpipe is greater than that of the inductor, throw of Branchpipe will be reduced. If the flow rating of Branchpipe is less than that of the inductor, foam concentrate induction may cease.

**Dimensions (approx) :**

| MODEL                 | IFP-LX-225L | IFP-FB 5X/<br>IFP-LX-225L(B.I) | IFP-LX-400L | IFP-LX-400L<br>(B.I) | IFP-FB 10X | IFP-LX-450L<br>(J&S)B.I. |
|-----------------------|-------------|--------------------------------|-------------|----------------------|------------|--------------------------|
| Length (mm)           | 500         | 500                            | 650         | 650                  | 700        | 700                      |
| Inlet Size (2.5 inch) | 2.5 inch    | 2.5 inch                       | 2.5 inch    | 2.5 inch             | 2.5 inch   | 2.5 inch                 |

**Ordering Information**

| Part Number | Model                    |
|-------------|--------------------------|
| 401010      | IFP-LX-225L              |
| 401011      | IFP-FB 5X                |
| 401012      | IFP-LX-225L(B.I.)        |
| 401020      | IFP-LX-400L              |
| 401021      | IFP-LX-400L (B.I.)       |
| 401030      | IFP-FB 10X               |
| 401031      | IFP-LX-450L (J&S) (B.I.) |

Due to continuous R&D Work, effects of product improvements are incorporated in the specifications as and when required.

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