

ENERGY INFRASTRUCTURE Ltd.
Eshel Terminal

FIRE LINE BASKET STRAINER
(FLBS)

(Version 1)

P ⁰	14/1/24	Preliminary	E. Kaganowski	E. Kaganowski	
REV	DATE	DESCRIPTION	BY	CKD	APPROVED

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BASKET STRAINER SPECIFICATION:

This document covers the technical requirements for manufacture supply and delivery of Fire Line Basket Strainer for water and fam application to be operated in Energy Infrastructure at Eshel Terminal.

SITE CONDITIONS:

Unit installing shall be outdoor.

Site altitude is about 200 m' above sea level.

Ambient temperature varies between 0⁰C- 48⁰C.

Relative humidity varies between 45% - 85%.

Rainfall around 550 mm' / year

Technical request:

Standards:

The strainer shall be UL Listed or FM approve.

Technical Requirements:

Filtration ratio shall be larger than **1:10** to ensure continued system performance even in the most debris –ridden firewater and low pressure drop.

The screen shall be made of stainless steel 316 with screen holes diameter of 3.2 mm' (1/8") meeting the requirement of the NFPA standards

The unit shall be in-line maintenance with easy access from the top cover for cleaning the dirt's.

Max Pressure operation: **250 psi**

Drainage: 1" for 6" unit

2" for 12" unit

The strainer shall be externally fusion bonded epoxy coated (250 micron minimum) RAL 3000 and internal coating for sea water operation.

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Materials:

Body / cover: Ductile Iron.
Yoke: Ductile Iron.
Gasket: EPDM
Screen Stainless Steel.

FLANGE (CLASS RANGE):

The unit shall have flanged ends ANSI B16.42 #150 RF.

GENERAL TERMS:

The vendor shall supply the following information:

- Strainer drawings.
- Strainer materials list.
- FM approvals.
- Maintenance instruction.
- Accessories drawings.
- List of recommended spare parts with pricing.
- Delivery date.

QUANTITY TABLE:

Item	Size	Quant.	Note
1	6"	Acc'. To BOM	6", FM strainer
2	12"	Acc'. To BOM	12", FM strainer

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