



**DIPLOMATIC  
HYDRAULICS**

95 100/198 ED



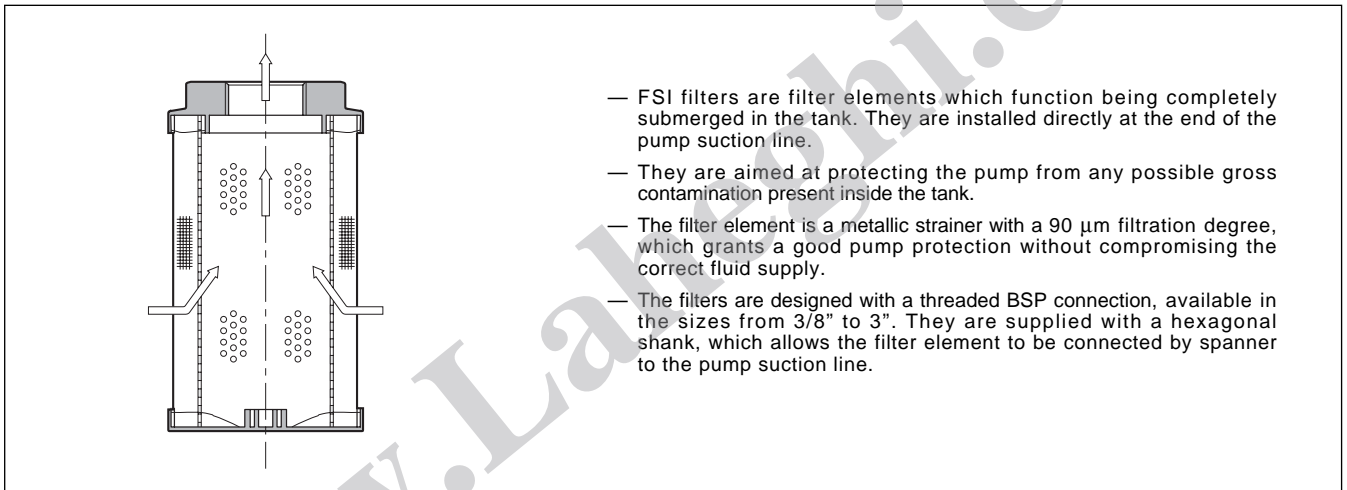
# FSI

## SUCTION FILTER FOR SUBMERGED MOUNTING

### SERIES 10

Q max (see performance ratings table)

#### OPERATING PRINCIPLE



#### TECHNICAL SPECIFICATIONS

Filter code	BSP port dimensions	Rated flow [l/min] (note 1)	Rated filtration degree [µm]
FSI-TB038	3/8"	9	90
FSI-TB012	1/2"	14	
FSI-TB034	3/4"	25	
FSI-TB100	1"	45	
FSI-TB114	1 1/4"	75	
FSI-TB112	1 1/2"	100	
FSI-TB200	2 "	160	
FSI-TB212	2 1/2"	250	
FSI-TB300	3"	350	

Note 1: The flow rates stated in the table correspond to a 0.02 bar pressure drop measured with mineral oil of viscosity 36 cSt at 50°C

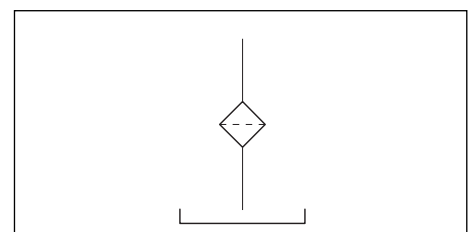
As for fluids whose viscosity degree at a specific operating pressure is different from 36 cSt, the real pressure drop has to be changed according to the following ratio:

$$\text{real } \Delta p \text{ value} = 0.02 \cdot \frac{\text{real } Q}{\text{table } Q} \cdot \frac{\text{real viscosity degree (cSt)}}{36}$$

The filter size has to be selected so that with the nominal flow rate the pressure drop is lower than 0.02 bar.

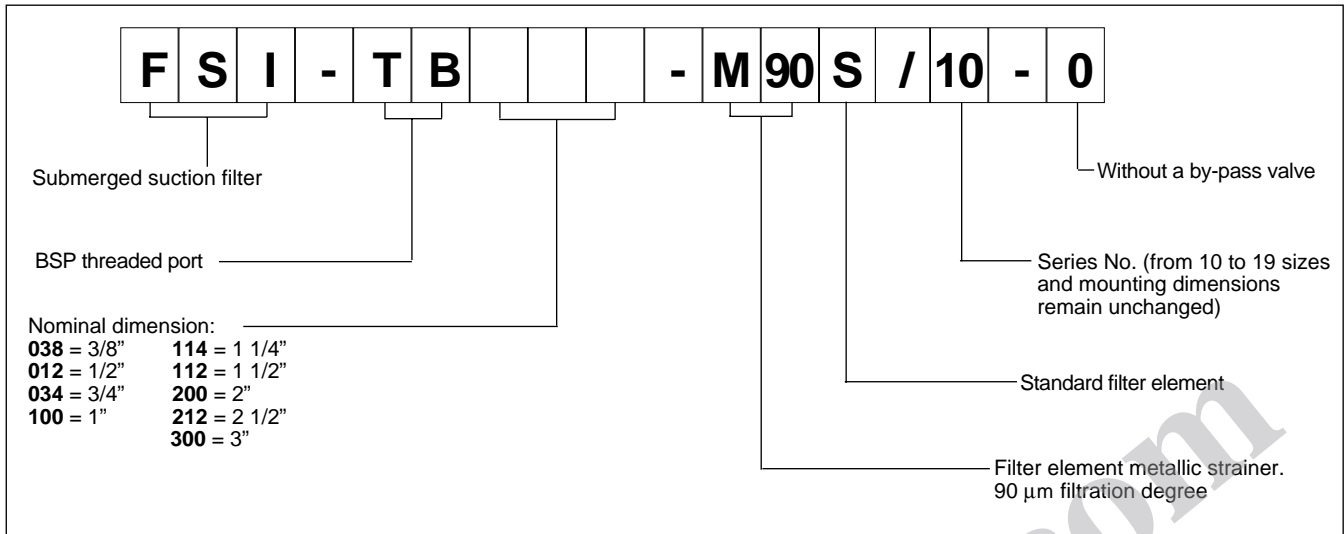
Collapsing differential pressure of the filter element	bar	1.0
Ambient temperature range	°C	-25 ÷ +50
Fluid temperature range	°C	-25 ÷ +110
Fluid viscosity range	cSt	2.8 ÷ 380

#### HYDRAULIC SYMBOL





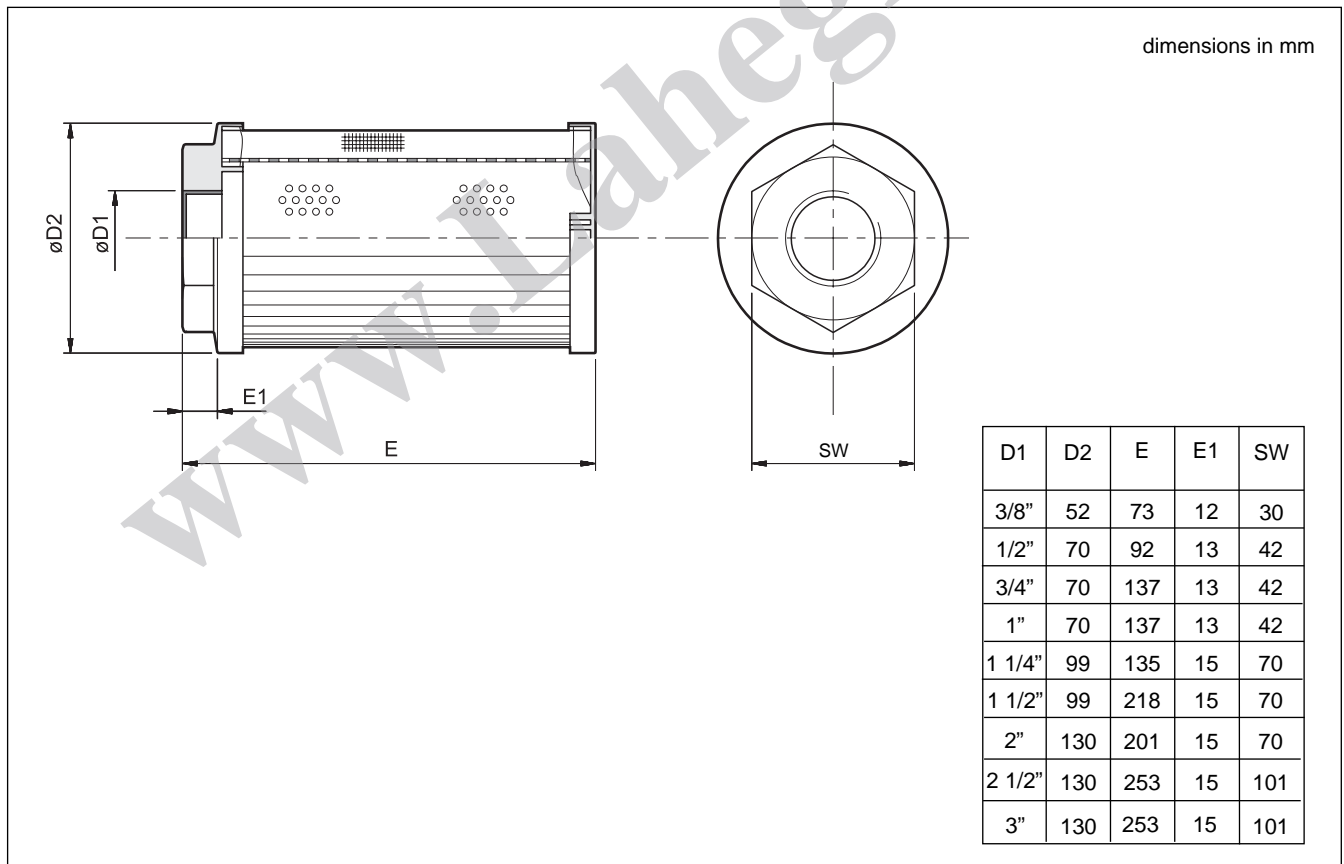
## 1 - IDENTIFICATION CODE



## 2 - HYDRAULIC FLUIDS

Use mineral oil-based hydraulic fluids type HL and HLP according to ISO 6743/4.  
For use with other types of fluids such as HFA, HFB, HFC, HFD, please consult our technical department.

## 3 - OVERALL AND MOUNTING DIMENSIONS



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