



# MASUDA SEISAKUSHO: DECODING FILTER ELEMENT CODES

Understanding the Structure and Format of Filter Element Identification

## Filter Element Code Structure

The filter element code structure is a standardized format used to specify the characteristics and applications of filter elements. This guide explains the components of the code and what each part represents.

### Filter Element Code Format

The format for the filter element code is:

For example, a filter element code might be: **F08-010P-W**

### Breakdown of the Code

#### Nominal Diameter

The first part of the code denotes the nominal diameter of the filter element. Each diameter size is represented by a specific code:

- 20A -> **06**
- 25A -> **08**
- 32A -> **10**
- 40A -> **12**
- 50A -> **16**
- 65A -> **20**
- 80A -> **24**
- 100A -> **32**
- 125A -> **40**
- 150A -> **46**

#### Element Precision / Material

The second and third parts of the code specify the element's precision and material. These are combined into a two-character code:

- **60-400u** -> **S** (Stainless Steel Mesh)
- **10, 20, 40u** -> **P** (Paper)
- **60-250u** -> **AN** (Anodized Wire Mesh)

### Fluid Type or Structure

The fourth part of the code indicates the fluid type or structural characteristics of the filter element. It is often a single letter or left blank for standard types:

- **(Blank)** -> General Mineral Oil (Standard)
- **W** -> Water-Glycol Type
- **S** -> Internal/External Pressure Reinforced Type
- **B** -> Different Inlet/Outlet Diameter Element
- **(Blank)** -> For Bypass Pressure 0.2MPa
- **QE** -> Fatty Acid Ester Type

By understanding these components, one can easily decipher the specifications and intended applications of a filter element by its code. This structured approach ensures clarity and consistency in the identification and use of filter elements.