# Optimicron® Power Series
## Optimized Elements in Power Stations



## Description

Optimicron Power elements have been developed to both meet the heavy demands of power plant applications and comply with API-614 specifications. The elements are designed to meet stringent requirements of applications such as turbine lubrication, hydraulic turbine lift systems, and rotary compressors. Key considerations for this type of filtration are low resistance to flow (low differential pressures through the elements) and safety with regard to electrostatic discharge. This element incorporates Stat-Free® technology which safeguards and inhibits the dangerous generation of static electricity (ESD) which can cause fires and destroy sensitive electronic components and sensors.

As a complete element package, the innovative characteristics of this new technology provide low energy losses, and the compact nature of the element assures better conditioning of the flow. This homogenous flow results in better access to the contaminates and more efficient usage of the surface areas to better filter the contamination.
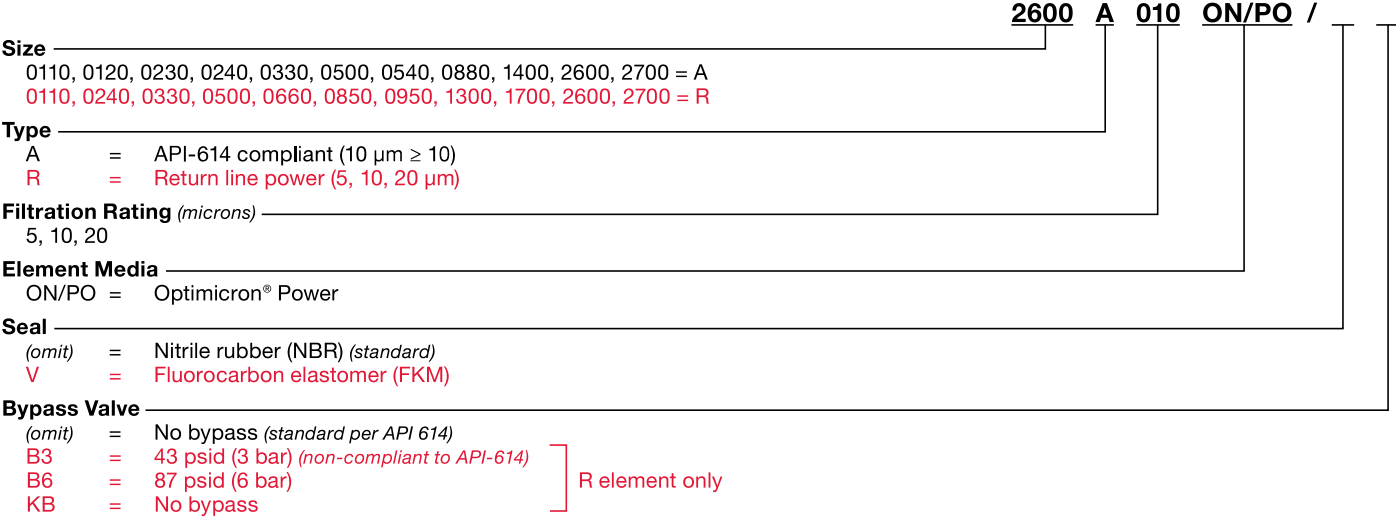
## Features

- API 614 compliant
- Glass fiber media, single-layer with support
- Innovative outer wrap with increased strength & better diffuser effect = homogenous flow
- Integrated Stat-Free® technology
- Low collapse only - 145 psid (10 bar)

## Technical Specifications

| | |
|---|---|
| **Collapse Rating** | 145 psi (10 bar) |
| **Temperature range** | -22°F to 212°F (-30°C to 100°C) |
| **Flow direction** | outside to inside |
| **Filtration Rating** | 5, 10, 20 μm |
| **Category** | Disposable - single use |
| **Compatibility with hydraulic fluids** Mineral oils: Test criteria to ISO 2943 Lubricating oils: Test criteria to ISO 2943 | |
| **Bypass Cracking Pressure** No bypass *(standard per API 614)* 43 psid (3 bar) *(optional)* - Others available for non-API applications | |

## Model Code

2600  A  010  ON/PO  /

**Size**
0110, 0120, 0230, 0240, 0330, 0500, 0540, 0880, 1400, 2600, 2700 = A
0110, 0240, 0330, 0500, 0660, 0850, 0950, 1300, 1700, 2600, 2700 = R

**Type**
A = API-614 compliant (10 µm ≥ 10)
R = Return line power (5, 10, 20 µm)

**Filtration Rating** *(microns)*
5, 10, 20

**Element Media**
ON/PO = Optimicron® Power

**Seal**
*(omit)* = Nitrile rubber (NBR) *(standard)*
V = Fluorocarbon elastomer (FKM)

**Bypass Valve**
*(omit)* = No bypass *(standard per API 614)*
B3 = 43 psid (3 bar) *(non-compliant to API-614)*
B6 = 87 psid (6 bar)          } R element only
KB = No bypass

**Supplementary Details**
Optimicron® Power was developed including integrated Stat-Free® technology. It will replace all elements labeled with G/HC/-SFREE.
This change also applies to filter housings currently using G/HC/-SFREE elements.

*Model Codes Containing Red are non-stock items — Minimum quantities may apply – Contact HYDAC for information and availability*