

CJC® Filter Inserts, type MS

Specially designed for efficient water removal and maintaining low water levels

CJC® MS FILTER INSERTS

CJC® MS Filter Inserts adsorb all states of water - dissolved, emulsified and free water from both mineral and synthetic oils. CJC® MS Filter Inserts contain Molecular Sieve, a super adsorption media designed to efficiently remove water from oil. It is the preferred solution used to obtain and maintain very low water level in mineral transformer oils. It can also be used to remove dissolved water from synthetic oils, glycol and ester based oils.

The MS Filter Inserts must be used in combination with CJC® cellulose Filter Inserts as post filters, either in the last stage of a CJC® HDU multi stay Filter or in a CJC® HDU single stay Filter using hybrid Filter Inserts.

Applicable in the following oils:

- Mineral oil
- Hydraulic fire resistant fluids (HFD)
- Glycol oil - Polyalkylene glycols (PAG)
- Ester oil - Polyolester oil (POE), Phosphate Ester Oil, Environmentally acceptable Lubricants (EAL) and biodegradable oils

Used in the following applications:

- Transformer insulation
- Gear and bearing lubrication
- Hydraulic systems
- Compressor lubrication
- Electro-Hydraulic control (EHC) of Steam Turbines
- Turbine lubrication
- Engine lubrication

The CJC® MS Filter Inserts are available in three different versions:

- MS 15/25 (100% Molecular Sieve)
- MS 27/27 (100% Molecular Sieve)
- A Hybrid version consisting of MS Molecular Sieve and a CJC® cellulose 15/25 Filter Insert.

COMPONENTS & PACKAGING

CJC® MS Filter Inserts consist of polyester needle felt bags filled with water adsorbing molecular sieve.

The MS Filter Inserts are supplied in vacuum sealed bags to keep them dry and protected. They must only be unpacked immediately before installation and use.

IDENTIFICATION & WEIGHT

To order the CJC® MS Filter Inserts, please use:

Article No.:

- 1 x MS 15/25: PD5600618 (3 kg / 6.6 lb)
- 1 x MS 27/27: PD5600611 (7,5 kg / 16 lb)
- 1 x MSAK 27/25: PD5600622 (6,5 kg/ 14 lb)
- 1 x MSBK 27/25: PD5600617 (6,5 kg/ 14 lb)
- 1 x MSGFiK 27/25: PD5600626 (7,2 kg/ 15 lb)



MS 15/25

MS 27/27

MSAK / MSBK / MSGFiK

USER BENEFITS

▶ Removing water

The CJC® MS Filter Insert has very high water adsorption and holding capacity independent from oil temperature, base oil type and additives. It will adsorb and remove water from mineral and synthetic, glycol and ester based oils, no matter what state the water is in; dissolved, emulsified or free water.

▶ Prolonging the oil life time and avoiding oil change

Water is an oxidation catalyst and primary cause of hydrolysis in ester oil leading to accelerated oil degradation. Removing water from the oil and keeping it dry result in extended oil life time.

▶ Preventing failures and mitigating risk of downtime

Water causes friction, wear and corrosion. Keeping the oil dry ensures extended component lifetime and lower O&M costs.

USER RECOMMENDATIONS

▶ Oil filtration - post filter

CJC® MS Filter Inserts must always be used in conjunction with CJC® cellulose Filter Inserts as post filter to ensure removal of solid contaminants from the fluid, and to avoid MS beads entering the oil system by mistake. The MS hybrid Filter Insert can be installed and used directly in a single stay HDU 27/- housing.

▶ Installation

CJC® MS Filter Inserts must be installed according to the filter replacement instruction guides using the original filter spring guides and filter plates.

▶ Service and Replacement

CJC® MS Filter Inserts are consumables, they cannot be cleaned and must be changed regularly. They must not be operated longer than 12 months. To ensure optimal efficiency and best results, it is recommended to replace MS Filter Inserts every 3- 6 month. Pressure drop across the MS Filter Insert will not necessarily increase over time when saturating with water and gradually losing its capacity.