

### Characteristics

- Fine filtration without risk of pump cavitation
- Negligible pressure drop & full fluid flow even when full of contaminant
- Removes ferrous and some nonferrous particles down to submicron sizes
- Contaminant storage without 'wash off' of collected particles
- Bi-directional operation
- Compatible with a wide range of petroleum oils, synthetic fluids, water-glycols, hydraulic & lubricating fluids and gases

### Applications

- Hydraulics
- Transmissions
- Fuel
- Lubrication Oils
- Coolants

# Magnom PumpMate

## Magnetic filters of aspiration for systems liquids, gas and grease

The Magnom™ PumpMate Magnetic Filter (Magnetic Suction Strainer) is specifically designed to protect hydraulic pumps on the suction side, inside the tank (reservoir).

The patented design filters the suction side of pumps. Unlike a standard Suction Strainer which really is NOT a filter Magnom™ provides the performance of a 1 micron absolute hydraulic filter cartridge on the suction side of a pump. This is accomplished without wash-off of collected particles as seen with standard magnetic filters, suction strainers or standard hydraulic filters.



This is a generational leap in technology for the protection of critical hydraulic and lubrication pumps with virtually no pressure drop or restriction to flow, even when the PumpMate unit is 'full' of contaminant.

With negligible risk of pump cavitation, the Magnom™ PumpMate removes fine ferrous and some nonferrous materials to sub-micron levels and has a very high contaminant holding capacity, offering OEMs and Operators a true 'fit and forget' solution

## Why use a Magnom technology Magnetic Filters to eradicate microscopic ferrous particles?

Microscopic ferrous particles damage industrial fluid systems & degrade finished products. **Magnetic Filters** are the solution to ferrous contamination of industrial fluids.

Microscopic ferrous particles tend to be the hardest material found in industrial fluids, water or gas systems. In turn, they cause wear on softer materials in the system and this causes a chain reaction that results in larger non ferrous wear particles .

By eliminating the microscopic ferrous particles, the primary cause of all subsequent wear is removed and therefore system cleanliness is greatly increased.

Magnom filters can be used for various types of liquids (water, tar, oils, lubricants, coolants, cutting, fuel, hydraulic fluids and transmission), and working conditions characterized by different pressure, viscosity, temperature and flow rate.



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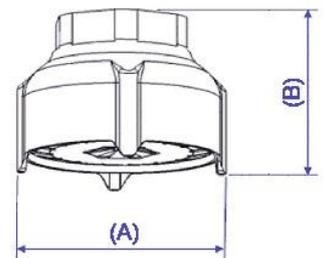
Magnom™ core elements are comprised of an annular magnet and two innovatively formed steel plates. The steel plates direct the lubricant flow and magnetic flux through channels designed to bring all the ferrous contaminants in the lubricant within the range of the magnets.

The plates also multiply the force of the magnet increasing dramatically the capturing force of the core. Finally, the plates create a “collection zone” out of the normal flow path of the lubricant, preventing re-introduction of the contaminants into the flow stream.

TECHNICAL CHARACTERISTICS	
MOUNTING METHOD	Suction-Line
FLOW DIRECTION	Bi-directional
CONSTRUCTION MATERIALS	
Housing	Acetal
Flux Plate	Chemically Blackened or Mild Steel
Magnet	C8 Ceramic Ferrite
HOUSING PRESSURE AND TEMPERATURE RATING	
Max. Operating Pressure	Not applicable (Suction Unit)
Burst Pressure	Not applicable (Suction Unit)
Max. Temperature	212° F (100°C)
FLUID COMPATIBILITY	
	Compatible with a wide range of petroleum oils, synthetic fluids, water-glycols, water emulsions, hydraulic and lubrication fluids.



Stop the Chain Reaction of Wear!



Order Information

INFORMATION ON WEIGHT AND DIMENSIONS					
PART NUMBER	UNIT	WEIGHT	(A)	(B)	CONTAMINANT CAPACITY
1525189	¾" BSPP	1 lb 5oz (600 g)	3 ⅜" (86 mm)	3 ⅛" (80 mm)	140 g
1525190	1" BSPP	1 lb 5oz (600 g)	3 ⅜" (86 mm)	3 ⅛" (80 mm)	140 g
1525191	1 ¼" BSPP	1 lb 5oz (600 g)	3 ⅜" (86 mm)	3 ⅛" (80 mm)	140 g
1525192	1 ½" BSPP	2 lb 5oz (1050 g)	4 ¾" (122 mm)	3 ¾" (95 mm)	200 g
1525193	2" BSPP	2 lb 5oz (1050 g)	4 ¾" (122 mm)	3 ¾" (95 mm)	200 g
1525194	3" BSPP	2 lb 5oz (2450 g)	7 ⅝" (186 mm)	4 ⅝" (118 mm)	400 g