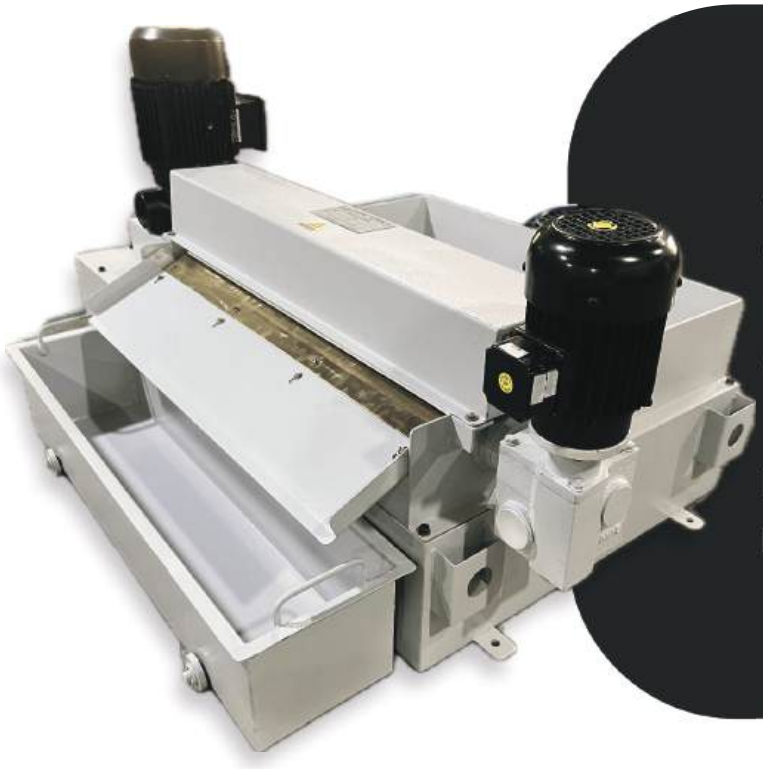
# Our **Products**

## MAGNETIC COOLANT FILTER



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A magnetic coolant filter is an essential component in grinding applications, particularly in industries where precision and cleanliness are critical.

Here’s a brief overview of its **purpose** and **benefits:**

### PURPOSE

**Contaminant Removal:** Eliminates ferrous particles to maintain clean coolant.

**Coolant Longevity:** Extends coolant life and reduces replacement frequency.

**Machine Protection:** Minimizes wear and prolongs machine lifespan.

### BENEFITS

**Improved Surface Finish:** Ensures higher precision in grinding results.

**Cost Efficiency:** Lowers maintenance and coolant-related expenses.

**Environmental Advantage:** Reduces waste by extending coolant usage.

## MODEL A.T.P

The magnetic material will not loose its strength even after number of years of use. These filters are available in 30 to 600 liter per minute filtering capacity in a single construction.

## GEAR BOX

double worm reduction gearbox is a type of mechanical device used to reduce the speed and increase the torque of an input shaft through a series of worm gears.

## WORKING PRINCIPLES

The contaminated coolant from the machine is fed into the inlet of magnetic filter / Magnetic coolant separator. As it passes through the gap between the drum and the body, the dust particles are arrested by the magnetic drum. A synthetic rubber roller mounted on springs, squeezes the dust & allows only dry power, which is further scraped out from the drum by scraper and is collected in the dust collecting tray. The filtration level achieved will be almost 95% for ferrous particles.

## FEATURES

**Automotive Industry :** Used in the manufacturing of engine components and other precision parts.
**Aerospace Industry :** Essential for producing high-precision parts with stringent quality requirements.
**Tool and Die Making :** Ensures the production of high-quality tools and dies with excellent surface finishes.

## DIMENSIONAL DETAILS FOR MAGNETIC COOLANT FILTER/ MAGNETIC SEPARATOR ( MODEL T.A.P )

| CAPACITY | A | B | C | MOTOR HP | DRUM RPM | DRUM SIZE |
|---|---|---|---|---|---|---|
| 100 LPM | 400 | 200 | 205 | 0.25 HP | 2.3 RPM | D180X 185L |
| 150 LPM | 400 | 200 | 280 | 0.25 HP | 2.3 RPM | D180X260L |
| 200 LPM | 400 | 200 | 380 | 0.25 HP | 2.3 RPM | D180X360L |
| 300 LPM | 500 | 200 | 480 | 0.5 HP | 2.3 RPM | D180X460L |
| 400 LPM | 600 | 200 | 580 | 0.5 HP | 2.3 RPM | D180X560L |
| 500 LPM | 600 | 200 | 680 | 0.5 HP | 2.3 RPM | D180X660L |
| 600 LPM | 800 | 200 | 780 | 0.5 HP | 2.3 RPM | D180X760L |
| 700 LPM | 800 | 200 | 880 | 0.5 HP | 2.3 RPM | D180X860L |
| 800 LPM | 800 | 200 | 980 | 1 HP | 2.3 RPM | D180X960L |
| 900 LPM | 800 | 200 | 1080 | 1 HP | 2.3 RPM | D180X1060L |
| 1000 LPM | 800 | 200 | 1180 | 1 HP | 2.3 RPM | D180X1160L |
| 1100 LPM | 800 | 200 | 1280 | 1 HP | 2.3 RPM | D180X1260L |

## DIMENSIONAL DETAILS OF SLOTTED TYPE MAGNETIC COOLANT FILTER

| CAPACITY | A | B | C | MOTOR HP | DRUM RPM | DRUM SIZE |
|---|---|---|---|---|---|---|
| 30 LPM | 350 | 150 | 150 | 0.25 HP | 2.3 RPM | D150X130L |
| 50 LPM | 400 | 150 | 205 | 0.25 HP | 2.3 RPM | D150X185L |
| 65 LPM | 400 | 150 | 280 | 0.25 HP | 2.3 RPM | D150X260L |
| 100 LPM | 400 | 150 | 380 | 0.25 HP | 2.3 RPM | D150X360L |
| 150 LPM | 700 | 150 | 480 | 0.25 HP | 2.3 RPM | D150X460L |
| 200 LPM | 700 | 150 | 580 | 0.5 HP | 2.3 RPM | D150X560L |
| 300 LPM | 700 | 200 | 680 | 0.5 HP | 2.3 RPM | D150X660L |
| 400 LPM | 700 | 200 | 780 | 0.5 HP | 2.3 RPM | D150X760L |
| 500 LPM | 800 | 200 | 880 | 0.5 HP | 2.3 RPM | D150X860L |
| 600 LPM | 800 | 200 | 980 | 1 HP | 2.3 RPM | D150X960L |