



Air filters



Liquid filters



Engineering

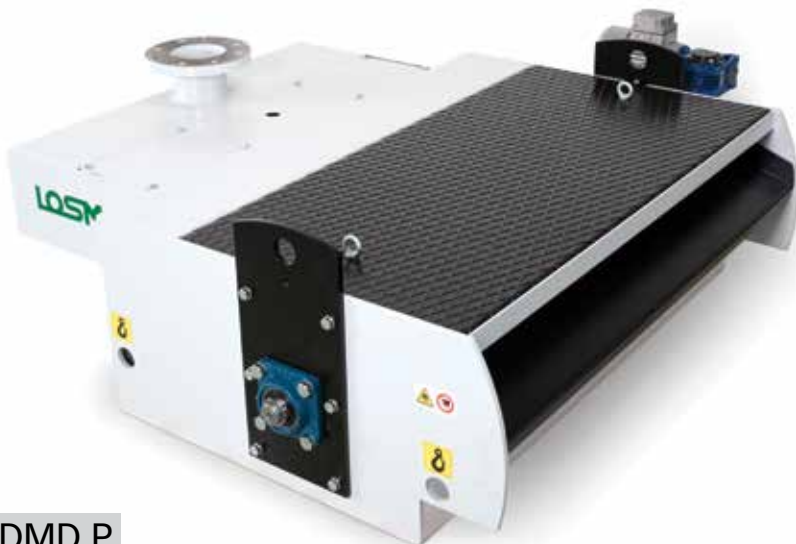
Losma / Liquid filters
DMD + DMD P

Rotating discs magnetic separators

ENG



DMD



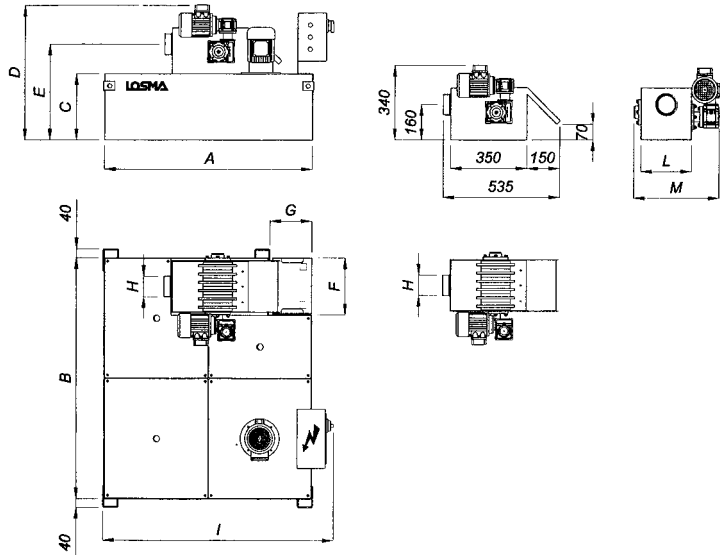
DMD P

DMD and DMD P are rotating discs magnetic separators for coolants used during industrial machining contaminated by magnetic particles. DMD series is available in 7 standard models for flowrates ranging from 50 to 400 l/min of emulsion and from 25 to 200 l/min of neat oil. DMD P is designed for high flowrates, available in 5 models, able to filter from 600 to 1800 l/min of emulsion and from 300 to 900 l/min of neat oil. The robust structure of DMD-P is suitable for big machine tools, centralized applications, machining centers, grinding, deep drilling and hard machining.



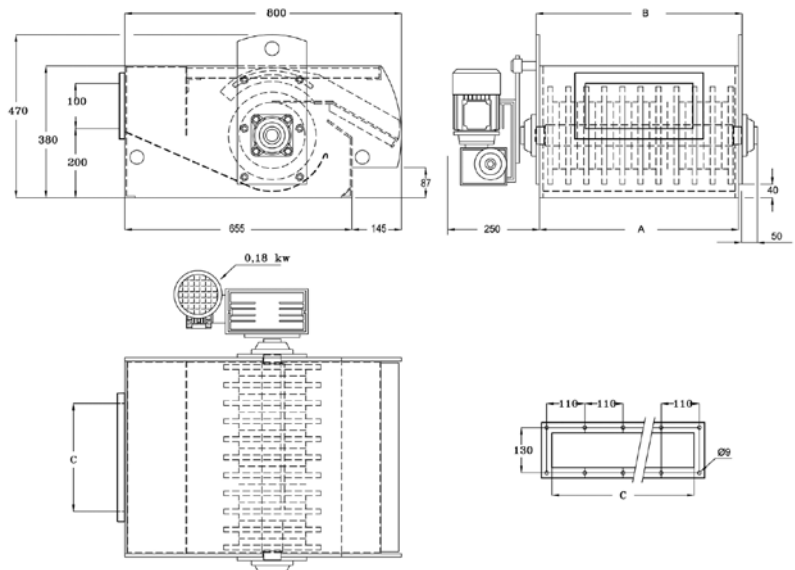
Losma grants that every single system is tested through strict control procedures. Every unit is provided with a Quality and Functional Test Certificate.

Technical Data



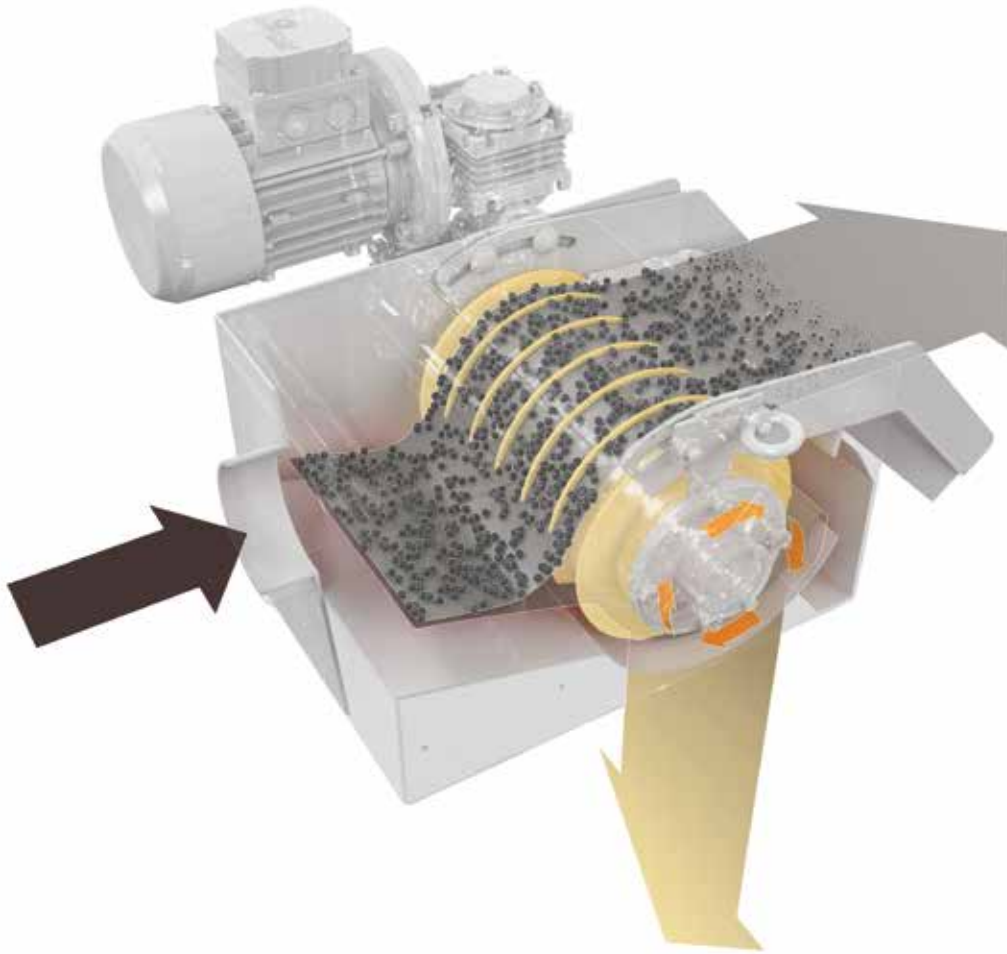
| DMD | | | | | | | | | | | |
|--------|------------|------|-----|-----|-----|------|-----|--------|------|------|------|
| Models | Dimensions | | | | | | | | | | |
| | A | B | C | D | E | F | G | H | I | L | M |
| 50 | 800 | 700 | 300 | 610 | 460 | 200 | 200 | 1" 1/2 | 840 | 160 | 360 |
| 100 | 950 | 1100 | 300 | 610 | 460 | 260 | 200 | 1" 1/2 | 990 | 240 | 440 |
| 150 | 1050 | 1300 | 350 | 645 | 495 | 360 | 250 | 1" 1/2 | 1090 | 350 | 550 |
| 200 | 1150 | 1600 | 350 | 645 | 495 | 440 | 250 | 2" | 1190 | 420 | 620 |
| 250 | 1400 | 1800 | 350 | 645 | 495 | 520 | 250 | 2" 1/2 | 1440 | 505 | 705 |
| 300 | 1600 | 1900 | 350 | 645 | 495 | 670 | 250 | 3" | 1640 | 650 | 850 |
| 400 | 1800 | 2000 | 350 | 645 | 495 | 860 | 250 | 3" | 1840 | 840 | 1040 |
| 500 | 2000 | 2000 | 350 | 645 | 495 | 1050 | 250 | 3" | 2050 | 1032 | 1210 |

| DMD | | | | | | | |
|--------|---------------|-----------------------------|-----------------------------|-----------|-------|-----------------------------------|-----------------------------------|
| Models | Tank capacity | Max filtering cap. Emulsion | Max filtering cap. neat oil | Pump head | Power | Input tension 230V/50Hz 260V/60Hz | Input tension 400V/50Hz 460V/60Hz |
| | l | l/min | l/min | bar | kW | A | A |
| 50 | 170 | 50 | 25 | 0,2 | 0,28 | 1,9 | 1,13 |
| 100 | 300 | 100 | 50 | 0,2 | 0,42 | 2 | 1,16 |
| 150 | 460 | 150 | 75 | 0,2 | 0,52 | 2,6 | 1,48 |
| 200 | 570 | 200 | 100 | 0,2 | 0,65 | 3,7 | 2,18 |
| 250 | 700 | 250 | 125 | 0,2 | 0,9 | 4,3 | 2,48 |
| 300 | 820 | 300 | 150 | 0,2 | 1,27 | 4,3 | 2,48 |
| 400 | 1080 | 400 | 200 | 0,2 | 1,59 | 5,8 | 3,38 |
| 500 | 1200 | 500 | 250 | 0,2 | 1,59 | 5,8 | 3,38 |



| DMD P | | | | |
|--------|-------|-----------------|------|------|
| Models | l/min | Dimensions [mm] | | |
| | | A | B | C |
| 600 | 600 | 574 | 594 | 410 |
| 900 | 900 | 849 | 869 | 520 |
| 1200 | 1200 | 1124 | 1144 | 740 |
| 1500 | 1500 | 1398 | 1418 | 960 |
| 1800 | 1800 | 1674 | 1694 | 1180 |

Working Principles



Contaminated coolant passes through the group of rotating magnetic discs, where particles are captured. A scraping blade removes the metallic particles from the rotating group, conveying them to the sludge chute which collects the waste into a tank. Clean oil is collected into a tank and pumped back to the machine tool thanks to a dedicated pump, or is collected for a further process of fine filtration.

Plus

Modularity:

DMD and DMD P can be paired with any other filter of Losma's product range, in order to guarantee the most accurate filtration.

Permanent filtering materials:

DMD and DMD P do not use any consumable material





Health



Savings



Efficiency



Environment



Safety

F005.125.00  GreyLab.it

LOSMA[®]

WORKING CLEAN, BREATHING HEALTHY

Losma S.p.A.
Via E. Fermi 16 24035 Curno (BG)
CAP. SOC. I.V. € 500.000,00
Reg. Imp. e P.I e C.F. 012345901962
R.E.A. 185685

ISO 9001
TÜV SÜD
Certified Company

ISO 14001
TÜV SÜD
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