



Production program
FILTRATION sector

MAGNETIC COOLANT SEPARATORS M SERIES

Cosema Magnetic Coolant separators are extremely effective for treating coolant containing microscopic ferrous particles and for cleaning neat cutting oils.

Used coolant from the machine tool is discharged, under gravity, into the filter, passing as it does so over highly magnetised steel disks. Due to the power of the magnets, almost all ferrous impurities are removed, forming a cake which, when removed, takes with it the majority of the non-ferrous impurities, such as wheel abrasive.

The sludge is removed from the system by a scraper connected to a chute, the slope of which is designed to ensure maximum discharge efficiency.

TECHNICAL CHARACTERISTICS

The separator consists of:

- A strong welded steel housing which is protected by special paint and fitted with a non-magnetic stainless steel base.
- A rotated drum of permanent sintered right type magnets which are fitted to a sturdy shaft supported by two flanges complete with bearings. The drum is operated at a very low speed due to the use of a three phase asynchronous motor and a reduction gear box.

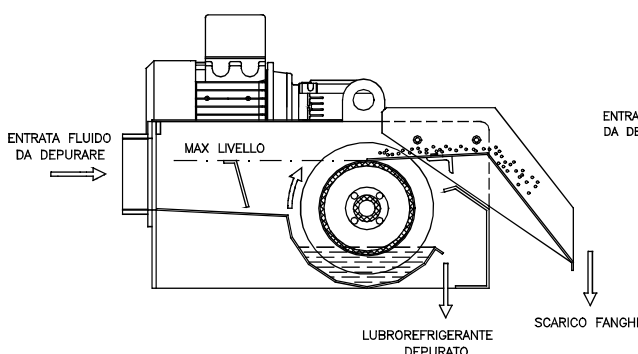
APPLICATIONS

- Rough and finish grinding
- Centers
- Forging machine
- Hardening lines

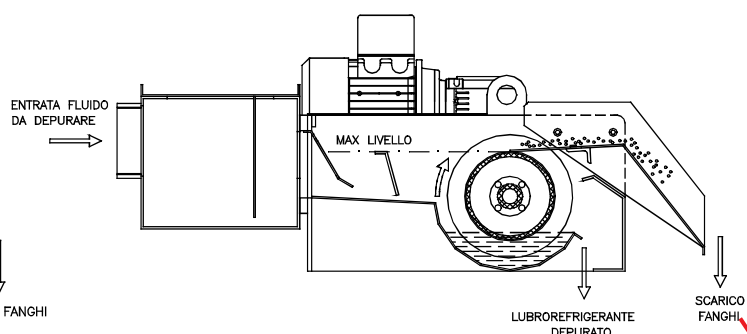
FLOW RATE from 50 to 1300 l/1'.

- Flow rates referred to water and have to be verified according to the viscosity of the liquid and machine working
- In case of high performance use we suggest the bigger size of the filtering clarifiers
- Contact our technical office which is available to customers request

In case of neat oil as lubrorefrigerant liquid, the flow rate has to be halved.



model without distributor box



model with distributor box

Dal 1952



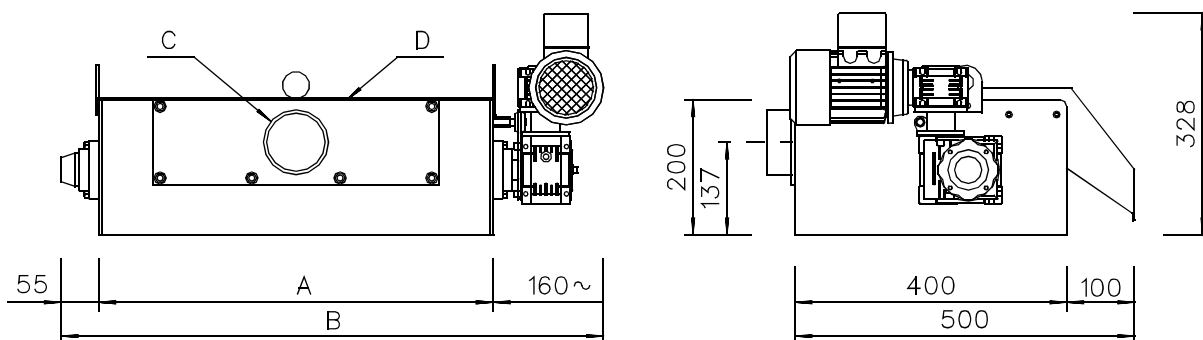
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FILTRAZIONE

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MAGNETIC COOLANT SEPARATOR M

DIMENSIONS



MODEL WITHOUT DISTRIBUTOR BOX

MOD.	FLOW RATE. L/min.	A	B	C	D	WEIGHT Kg	KW	AMP. 400 V
				INLET	FLANGE			
M50	50	137	352	2" GAS	-	35	0,18	0,58
M100	100	211	426	2"1/2 GAS	-	43	0,18	0,58
M250	250	285	500	3" GAS	-	52	0,18	0,58
M300	300	396	611	3" GAS	126x240	66	0,18	0,58
M400	400	581	796	3" GAS	126x420	89	0,18	0,58
M500	500	766	981	3" GAS	126x420	111	0,18	0,58
M700	700	951	1166	4" GAS	126x470	131	0,18	0,58
DMP 1000	1000	-	-	-	-	-	-	-
DMP 1300	1300	-	-	-	-	-	-	-

MODEL WITH DISTRIBUTOR BOX

MOD.	FLOW RATE L/min	A	B	C	D	E	WEIGHT Kg
M50	50	137	352	137	2" GAS	211	49
M100	100	211	426	137	2"1/2 GAS	211	49
M250	250	285	500	137	3" GAS	285	58
M300	300	396	611	167	3" GAS	400	78
M400	400	581	796	167	3" GAS	600	107
M500	500	766	981	167	3" GAS	600	129
M700	700	951	1166	167	3" GAS	600	149
DMP 1000	1000	-	-	-	-	-	-
DMP 1300	1300	-	-	-	-	-	-

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