

NORTH AMERICAN FRL CATALOG > Release 8.2

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## Lubricators Series MC

Port 1/4", 3/8", 1/2" NPTF  
Modular with metal bowl guard and  
bayonet-type mounting

The Series MC lubricators are available with port 1/4",  
3/8", 1/2" NPTF.

The bowls of these lubricators are made of metal and are  
equipped with a transparent viewer. The oil flow can be  
monitored via the small transparent cap and regulated by  
means of the special adjusting screw.



MODULAR FRL SERIES MC

### TECHNICAL SPECIFICATIONS

Construction	modular compact		
Materials	Body - Aluminum alloy, Bowl - Grilamid TR 55 (Nylon compound), Seals - Buna-N		
Port	NPTF:	1/4"	3/8" 1/2"
Oil capacity	oz	1.25	5.75 5.75
Weight	lbs	.75	1.65 1.49
Mounting	vertical in-line or wall-mounting		
Operating temperature	-5° C - 50° C, (23° F - 122° F), with Dew Point of air at least 2° C (4° F) below the min working temperature		
Oil refilling	without pressure only in 1/4" Size : While pressurized for 3/8" & 1/2"		
Oil for lubrication	from 3° - 10° E (ask our engineers for types) (approx. 32 centistrokes)		
Oil consumption	recommendation 2 - 5 drops every 1000 NI of air consumed (35 SCFM)		
Droplet size	> 2µm (10 drops = 1cm <sup>3</sup> )		
Finish	enameled		

### PNEUMATIC DATA

Operating pressure	0 — 16 bar (0 - 232 psi)	
Nominal flow	see graphs	
Min. air consumption for lubr. (NI/min)	1/4", 3/8", 1/2" NPTF	
	at 1 bar (14.5 psi)	8 (.28 SCFM)
	at 6 bar (87 psi)	15 (.53 SCFM)

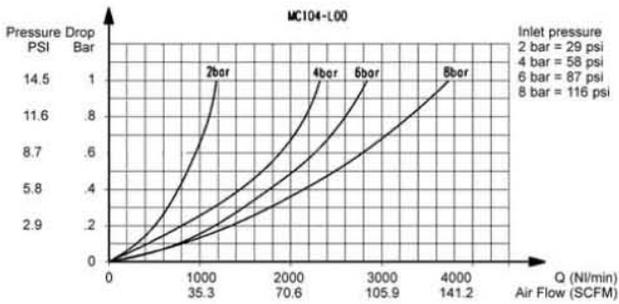
**CODING EXAMPLE**

MC	1	04	-	L	00	TF
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<b>MC</b>	SERIES
<b>1</b>	SIZE 1 = 1/4" 2 = 3/8" or 1/2"
<b>04</b>	PORTS: 04 = 1/4" NPTF 38 = 3/8" NPTF 02 = 1/2" NPTF
<b>L</b>	LUBRICATOR
<b>00</b>	DESIGN TYPE 00 = atomized oil, ( approx. 2 microns )
<b>TF</b>	PORT TF = NPTF Blank = BSPP thread ports

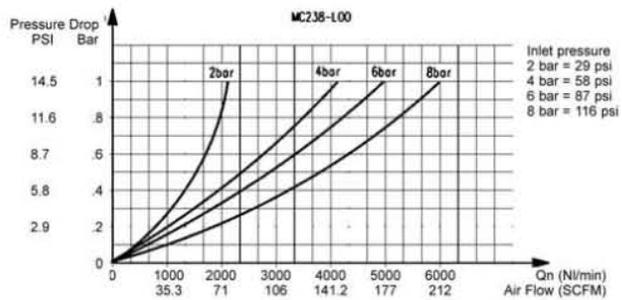
**FLOW DIAGRAMS**

**MC104-L00TF**



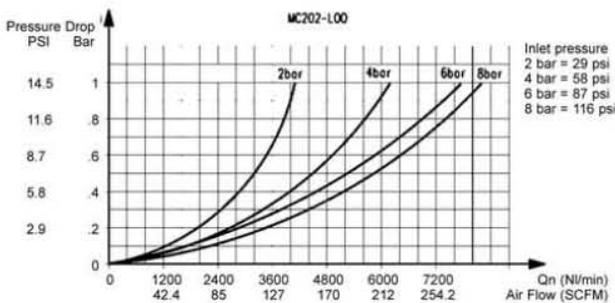
Pa = Inlet pressure  
ΔP = Pressure Drop  
Qn = Flow

**MC238-L00TF**



Pa = Inlet pressure  
ΔP = Pressure Drop  
Qn = Flow

**MC202-L00TF**

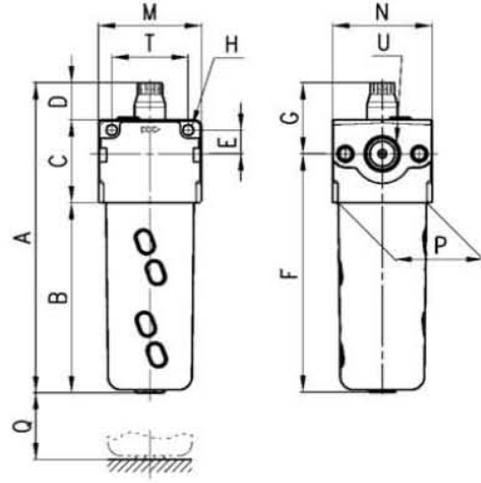
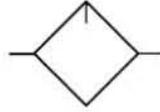


Pa = Inlet pressure  
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Lubricators Series MC



DIMENSIONS (in inches)

Mod.	A	B	C	E	F	G	H	M	N	O	P	Q	T	NPTF	
														U	
MC104-L00TF	5.827	3.268	1.575	.984	.433	4.213	1.614	.157	1.772	1.772	1.457	3.307	1.378		1/4
MC238-L00TF	7.362	4.528	1.969	.866	.551	5.670	1.693	.197	2.441	2.362	2.087	4.606	1.811		3/8
MC202-L00TF	7.362	4.528	1.969	.866	.551	5.670	1.693	.197	2.441	2.362	2.087	4.606	1.811		1/2

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