

LUBRICATOR

- Provides consistent reliable lubrication to the system
- Uses venturi type technology to distribute the lubrication into the compressed air line
- Low flow is required to start lubrication
- Optional electronic liquid level indicator provides condition monitoring
- Allows fill while under pressure from fill port or bowl by removing the fill plug
- Polycarbonate and Aluminum bowls with a selection of sight gauge materials that meet industry and application requirements
- Recommended oil type: Non-detergent type and without aggressive additives (VG32 - ISO 3448)
- Threaded ports allow for individual or modular mounting



Performance Data				
Series		651	652	653
Port sizes		1/8, 1/4	1/4, 3/8, 1/2	3/4, 1
Thread type		G (NPTF in option)		
Nominal flow - ISO 6358 P1 = 6.3 bar ΔP = 0.8 bar		l/min (ANR)		
	1/8	900	-	-
	1/4	1940	2780	-
	3/8	-	5000	-
	1/2	-	5100	-
	3/4	-	-	13000
	1	-	-	13000
Maximum pressure (bar)	Polycarbonate bowl	10		
	Aluminium bowl	10		16
Minimum flow for lubrication - (l/min)		4.5	20	240
Ambient temperature range (°C)		+5 to +50		
Fluid temperature range (°C)		+5 to +50		
Fluid		air or inert gas		
Bowl Capacity (cm³)		42	72	200
Fill Level Volume (ml)		45	90	200
Weight (kg)	w/Polycarbonate bowl	0.240	0.526	0.930
	w/Aluminium bowl	0.334	0.667	1.157

Materials in contact with fluid	
Body	Aluminium
Seals	NBR/FPM
Dome cover	Polycarbonate
Adjusting screw	Brass
Bowl	Polycarbonate or aluminium

SERIES
651/652/653

How to Order - Lubricator

Thread connection
G = ISO 228/1-G ⁽¹⁾
8 = NPTF


Product series
651
652
653


Revision letter
A

Product type
L = Lubricator


Bowl Type
K = Metal Bowl without Sight Gauge
L = Metal bowl with sight gauge (glass)
M = Metal bowl with sight gauge (Polyamide)
P = Polycarbonate bowl with bowl guard

K/L/M P



Options ⁽²⁾
A00 = No option
101 = Side Mounting Brackets
108 = Liquid Level Indicator - Electronic
109 = FPM seals
117 = ATEX zones 1-21 
124 = CUTR Certification (EAC)
125 = CUTR Ex

101 108



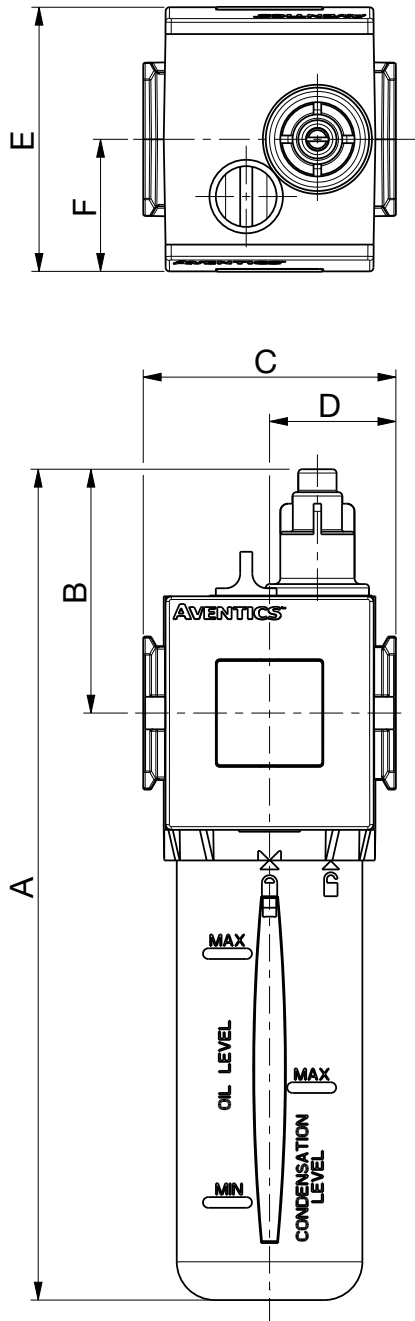
Port size
1 = 1/8 (Series 651)
2 = 1/4 (Series 651 or 652)
3 = 3/8 (Series 652)
4 = 1/2 (Series 652)
5 = 3/4 (Series 653)
6 = 1 (Series 653)

⁽¹⁾ Conforms to ISO standards 1179-1.
⁽²⁾ If multiple options are required, please use the on-line CAD configurator on the website to generate the part number (www.emerson.com).

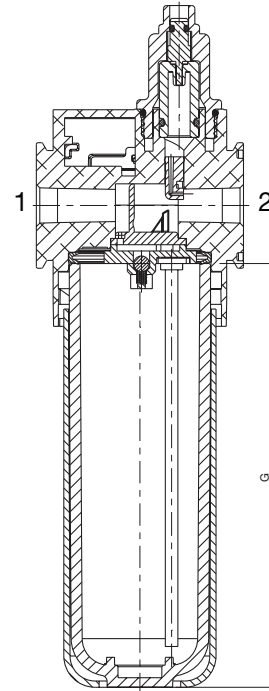
Configurator - CAD Files

Dimensions : mm - Series 651/652/653 Lubricator

Configurator - CAD Files



Cross Section - Series 651/652/653 Lubricator



To remove bowl allow:
Series 651 - 20 mm
652/653 Series - 25 mm
from the bottom of the bowl

	A	B	C	D	E	F	G
651	198	58	50	25	58	29	116
652	217	64	66	33	69	30.5	135
653	266	75	90	45	93	46.5	155