

LUBRICATOR



- Provides consistent reliable lubrication to the system
- Uses venturi type technology to distribute the lubrication into the compressed air line
- 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 - ISO3448)
- 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	1/2, 3/4, 1
Thread Type		NPTF, G & Rc		
Nominal Flow - Per ISO 6358 P1 = 91.4 PSI (6.3 bar) ΔP = 11.6 PSI (0.8 bar)		SCFM (L/min ANR)		
	1/8	31.8 (900)	-	-
	1/4	68.5 (1940)	97.3 (2780)	-
	3/8	-	175.0 (5000)	-
	1/2	-	178.5 (5100)	328.4 (9300)
	3/4	-	-	459.1 (13000)
Maximum Pressure PSIG (bar)	Polycarbonate Bowl	145 (10)		
	Aluminum Bowl	145 (10)		232 (16)
Minimum Flow for Lubrication - SCFM (L/min)		0.16 (4.5)	0.71 (20)	8.83 (250)
Ambient Temperature Range °F (°C)		41 to 122 (5 to 50)		
Fluid Temperature Range °F (°C)		41 to 122 (5 to 50)		
Fluid		Air or Inert Gas		
Bowl Capacity - mL (fluid oz.)		45 (1.52)	90 (3.04)	200 (6.76)
Weight lbs. (kg)	Polycarbonate Bowl	0.53 (0.240)	1.16 (0.526)	2.05 (0.930)
	Aluminum Bowl	0.74 (0.334)	1.47 (0.667)	2.55 (1.157)

Materials in Contact with Fluid	
Body	Aluminum
Seals	NBR/FKM

How to Order - Lubricator

8 651 A L 0 P 2 0 A00 0 0

Port Type

8 = NPTF
¹G = ISO 228/1-G
 J = ISO 7/1 Rc

Product Series

651
 652
 653

Revision

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)
 N = Polycarbonate Bowl without Bowl Guard (651 only)
 P = Polycarbonate Bowl with Bowl Guard

K/L/M N P



Options

A00 = No Options
 101 = Side Mounting Brackets
 108 = Liquid Level Indicator - Electronic
 109 = FKM Seals
 117 = ATEX Zones 1-21 

101 108



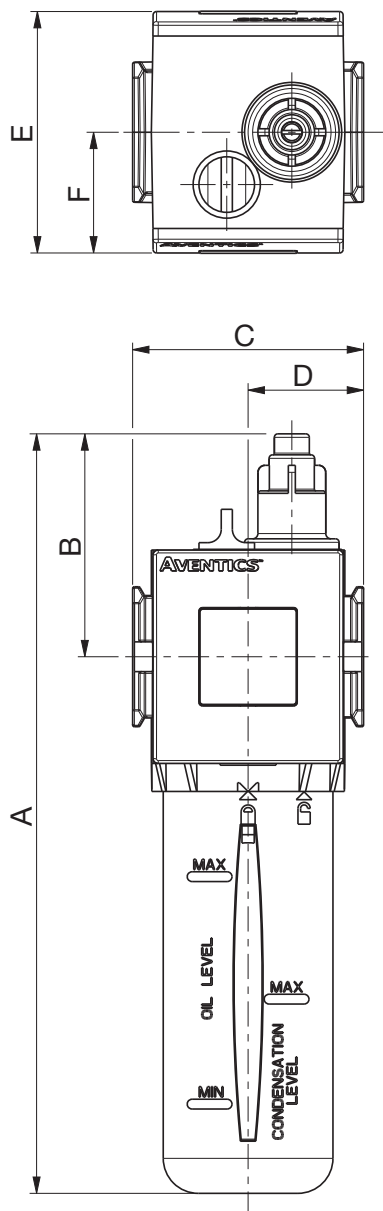
Port Size

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

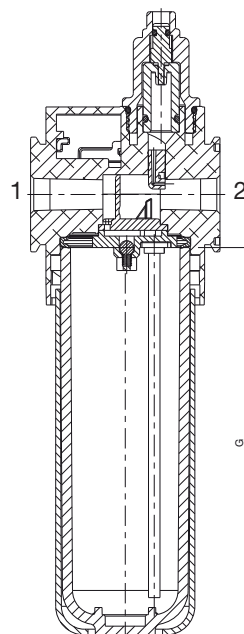
¹ Conforms to ISO standards 1179-1

² If multiple options are required, please use the online CAD configurator on the website to generate the part number (www.emerson.com), or consult factory

Dimensions: mm (inches) Series 651/652/653 Lubricator



Cross Section - Series 651/652/653
Lubricator



To remove bowl allow:
Series 651 - 20mm (0.8in)
Series 652/653 - 25mm (1.0in)
from the bottom of the bowl

	A	B	C	D	E	F	G
651	198 (7.80)	58 (2.28)	50 (1.97)	25 (0.98)	58 (2.28)	29 (1.14)	116 (4.57)
652	217 (8.54)	64 (2.52)	66 (2.60)	33 (1.30)	69 (2.72)	30.5 (1.20)	135 (5.31)
653	266 (10.47)	75 (2.95)	90 (3.54)	45 (1.77)	93 (3.66)	46.5 (1.83)	155 (6.10)