

# Compressed air maintenance unit, series AS3-Inch

Lubricator, oil-drop AS3-LBS, with semi-automatic oil filling, 3/8 NPT - 1/2 NPT, ATEX approved

**AVENTICS**®



## Technical Data

Type	Inspection glass with slotted screw for oil metering Can be filled with oil during operation See table	
Supply pressure	See table	
Temperature range	-10° to +50 °C (14 °F ... 122 °F) *	
Medium	Compressed air	
Weight	See table	
Installation position	vertical	
Materials	Body Thread insert Reservoir Bowl guard Seal	Polyamide, seals Buna-N(NBR) Die-cast zinc Polycarbonate or die cast zinc, with bayonet catch Polyamide (polycarbonate bowls only) ABS
Reservoir capacity	80 cm³ (2.7 US Fl oz)	
ATEX	In zone 1 (gas-ex, category 2G) In zone 21 (dust-ex, category 2D) In zone 2 (gas-ex, category 3G) In zone 22 (dust-ex, category 3D)	

\* with dried air

Oil type: HL 68 (DIN 51 524 - ISO VG 68)

Standard values for oil metering: 1-2 drops / min at a nominal flow rate of  $Q_n = 35.30$  CFM

Plastic containers may only be cleaned with water, soap suds, and other similar, neutral agents.

The unit is equipped with a semi-automatic oil filling mechanism (standard). A threaded connector located in the lower section of the container can be used to connect a hose to the oil tank.

Pressing the top button opens a Venturi nozzle that provides a vacuum in the upper section of the container. This draws the oil into the container.



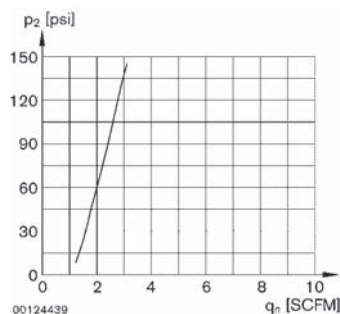
## Part no.

Symbol	Threaded ports	Nominal flow $Q_n$ [CFM]	Supply pressure [psi]	Options	Weight [lbs.]	Part no. (Poly./Metal)
	3/8 NPT	282	7 ... 232	Polycarbonate w/guard or metal bowl **Ready for level sensor (non ATEX)	0.756	R432002000 / R432002147 R432002001 / R432002148
	1/2 NPT	282	7 ... 232	Polycarbonate w/guard or metal bowl **Ready for level sensor (non ATEX)	0.756	R432002002 / R432002152 R432002149 / R432002153

Nominal flow at inlet pressure 91 psi and 15 psi drop ( $P_1 = 6.3$  bar,  $\Delta P = 1$  bar)

Accessories (to be ordered separately)	Accessory	Part no.
	Lubricator reservoir AS3-CBS, metal (w/sight glass)	R412007358
	Lubricator reservoir AS3-CBS (polymer)	R412007352
	Lubricator metering set, polycarbonate	R961400032
	Mounting plate AS3-MBR-...-W01	R432031072
	Mounting strap AS3-MBR-...-W03	R412007370
	Block assembly kit AS3-MBR-...-W04	R412007371
	Mounting flange kit (3/8 inch) AS3-MBR-N038...-W05	R432002017
	Mounting flange kit (1/2 inch) AS3-MBR-N012...-W05	R432002018
** For low oil level sensor options, see Accessories Section		

## Lubrication activation margin



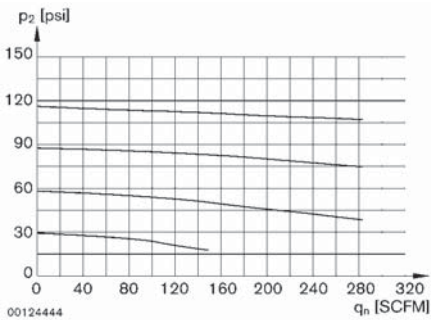
$p_2$  = Secondary pressure;  $q_{n, min.}$  = Min. nominal flow

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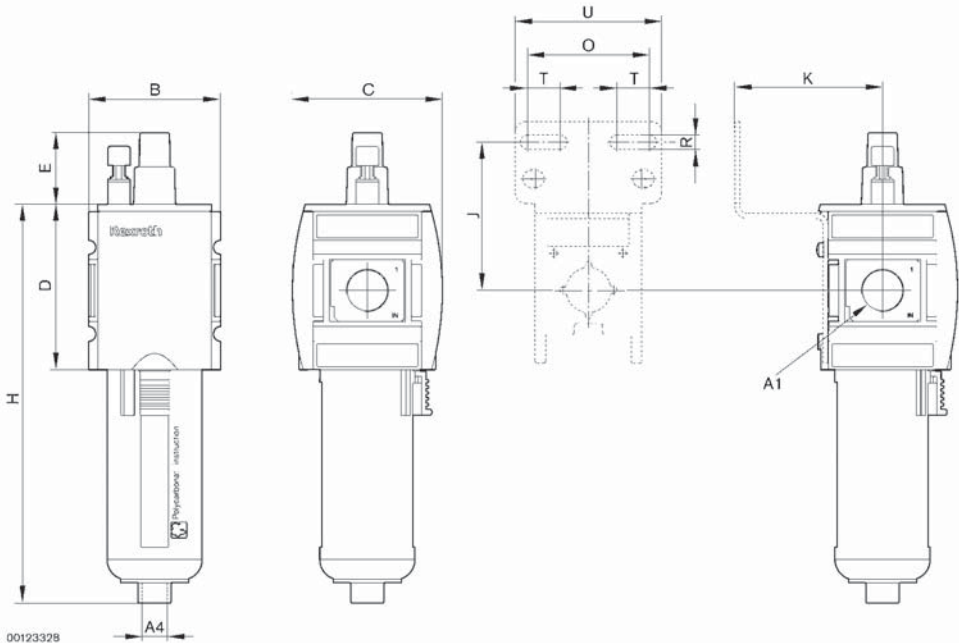
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## Flow rate characteristic



p<sub>1</sub> = Supply pressure; p<sub>2</sub> = Secondary pressure; q<sub>n</sub> = Nominal flow



A1	A4	B	C	D	E	H	J	K	O	R	T	U
3/8 NPT	G 1/8	2.480	2.913	3.150	1.024	7.205	2.854	2.795	2.362	0.276	0.630	2.835
1/2 NPT	G 1/8	2.480	2.913	3.150	1.024	7.205	2.854	2.795	2.362	0.276	0.630	2.835

Dimensions in inches

Pneutrol International Limited  
UK Office  
5 Caulside Drive, Antrim, BT41 2DU  
United Kingdom  
TEL: +44 (0) 289448 1808  
www.valves-direct.com

sales@pneutrol.com  
European Office  
Unit 6, Saint Anthony's Business Park, Ballymount Road, D22 VW95  
Ireland  
TEL: +353 (0) 1 4373653  
www.valves-direct.com