

Compressed air maintenance unit, series AS3-Inch

FR+L Maintenance unit AS3-ACD, 2-in-1, 3/8 NPT - 1/2 NPT, ATEX approved



Technical Data		
Type	Filter Pressure regulator Lubricator	Filter element replaceable Diaphragm-type pressure regulator with relief opening and reverse flow capability Regulator knob lockable Standard oil-drop lubricator with automatic oil filling Fill level – sight glass with slotted screw adjustment for oil metering Can be filled with oil during operation
Supply pressure	Condensate drain	semi-automatic: 7 ... 232 psi fully automatic: 21 ... 232 psi
Secondary pressure		See table
Nominal flow Qn (CFM)		See table
Secondary pressure = 91 psi and Δp = 15 psi		
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 Cover Filter element	Polyamide, seals Buna-N(NBR) Die-cast zinc Polycarbonate or die cast zinc, with bayonet catch Polyamide (polycarbonate bowls only) ABS Polyethylene
Reservoir capacity	Filter Lubricator	49 cm³ (1.6 U.S. Fl. oz.) (semi-automatic) 80 cm³ (2.7 U.S. Fl. oz.)
Filter porosity		5 μm
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

Filter for separating solid impurities up to 5 μm from compressed air and gases

For quality classes according to DIN ISO 8573-1

- Solid impurities: class 3

- Humidity - water content: class 8

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 Qn = 35.30 CFM

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

► - semi and fully automatic condensate drain *

* either opened without pressure (NO) or closed without pressure (NC)

Note: All Series AS filter drains include a manual drain function as standard.

Part no.						
Symbol	Threaded ports	Nominal flow Qn (CFM)	Secondary pressure [psi]	Options	Weight [lbs.]	Part no. with pressure gauge (Poly./Metal)
	3/8 NPT	123	7 ... 116	Polycarbonate w/guard or metal bowl, semi-automatic, without pressure: open	2.24	R432002005/R432002216
	3/8 NPT	123	21 ... 116	Polycarbonate w/guard or metal bowl, fully automatic, without pressure: open	2.35	R432002006/R432002217
	3/8 NPT	123	0 ... 116	Polycarbonate w/guard or metal bowl, fully automatic, without pressure: closed	2.35	R432002007/R432002218
	1/2 NPT	123	7 ... 116	Polycarbonate w/guard or metal bowl, semi-automatic, without pressure: open	2.24	R432002008/R432002222
	1/2 NPT	123	21 ... 116	Polycarbonate w/guard or metal bowl, fully automatic, without pressure: open	2.35	R432002009/R432002223
	1/2 NPT	123	0 ... 116	Polycarbonate w/guard or metal bowl, fully automatic, without pressure: closed	2.35	R432002010/R432002224

Nominal flow at inlet pressure 91 psi and 15 psi drop (P₁ = 6.3 bar, ΔP = 1 bar)

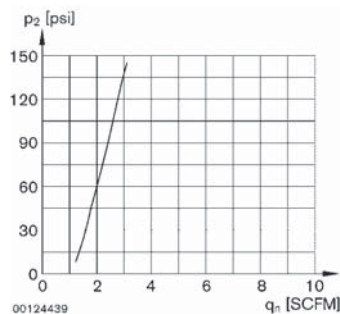
Accessories (to be ordered separately)		
	Accessory	Part no.
	Spare parts kit: see filter pressure regulator AS3-FRE and oil drop lubricator AS3-CBS Mounting plate AS3-MBR-...-W01 Mounting strap AS3-MBR-...-W03 Block assembly kit AS3-MBR-...-W04 Mounting flange kit (3/8 inch) AS3-MBR-N038...-W05 Mounting flange kit (1/2 inch) AS3-MBR-N012...-W05	R432031072 R412007370 R412007371 R432002017 R432002018

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

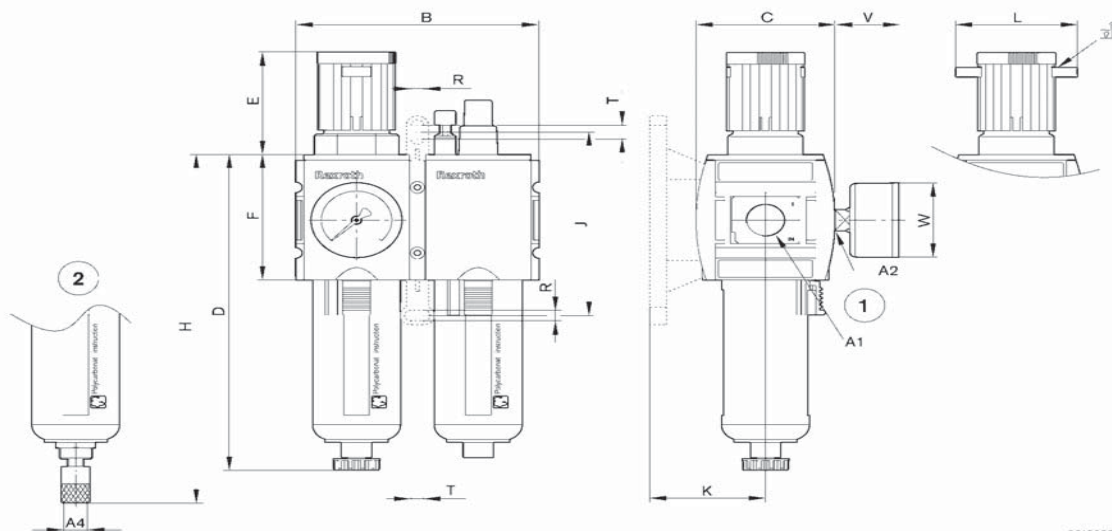
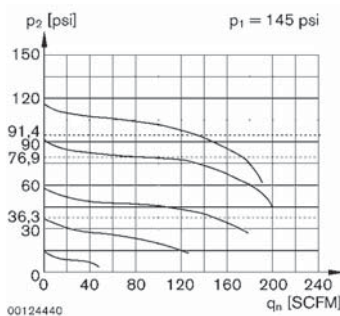
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Lubrication activation margin



p_1 = Supply pressure; p_2 = Secondary pressure; q_n = Nominal flow

Flow rate characteristic (setting range p2: 7 to 116 psi)



- 1) Semi-automatic condensate drain
- 2) Fully automatic condensate drain

A1	A2	A4	B	C	D	E	F	H	J	K	L	R	T	V	W
3/8 NPT	1/4 NPT	G 1/8	4.961	2.913	7.461	2.500	3.150	8.110	4.094	2.795	2.323	0.252	0.315	1.260	1.969
1/2 NPT	1/4 NPT	G 1/8	4.961	2.913	7.461	2.500	3.150	8.110	4.094	2.795	2.323	0.252	0.315	1.260	1.969

Dimensions in inches

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