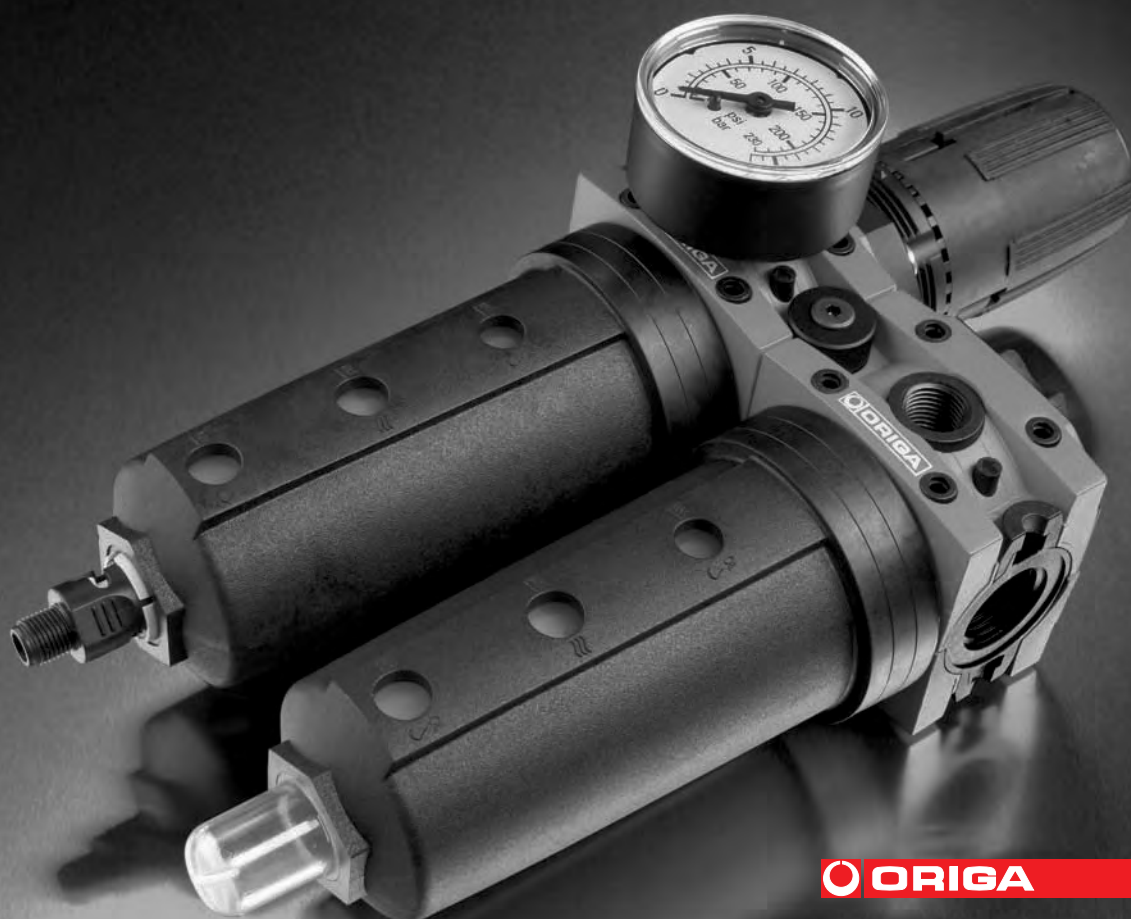


The New Dimension of Compressed Air Management

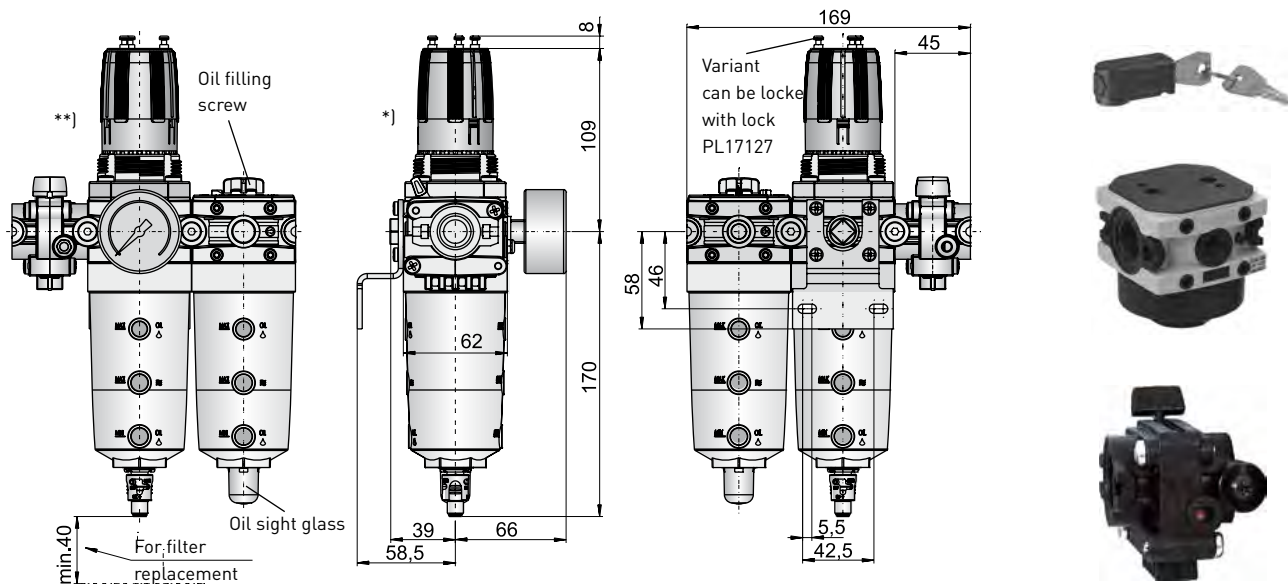
*The innovative A15 series.
For port sizes G1/2 and G3/4.*



airfit A15

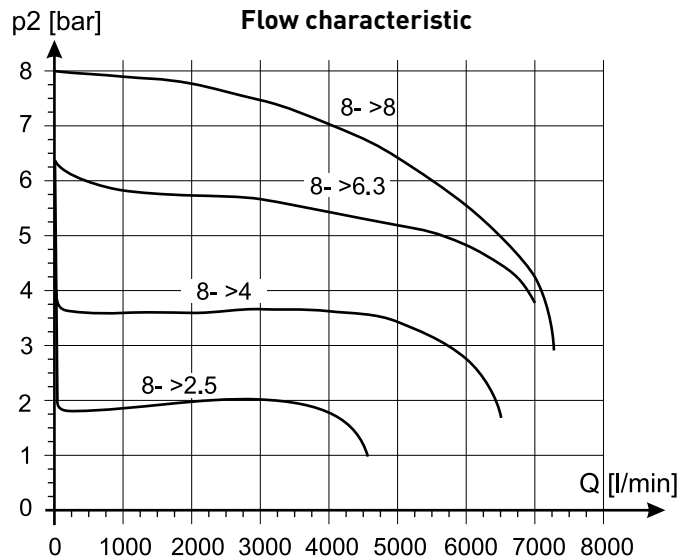
G1/2, G3/4

Air preparation unit, 2-piece with shut-off valve — model A15DVKL-1/2, -3/4

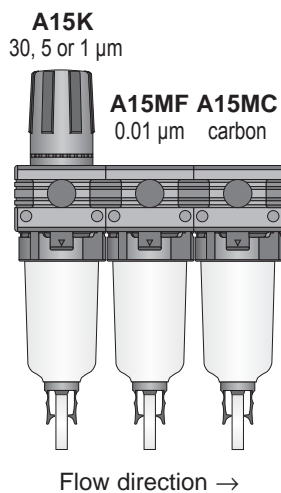
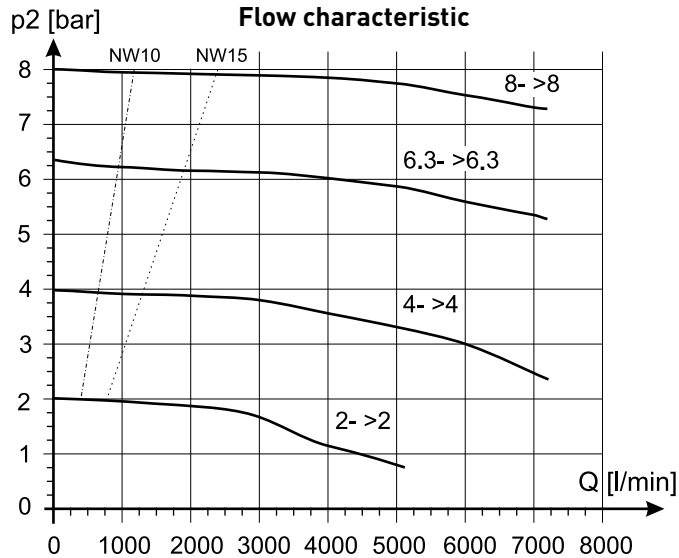


- *] Locking screw is delivered unfitted
- **] Double-sided pressure gauge connection G1/4

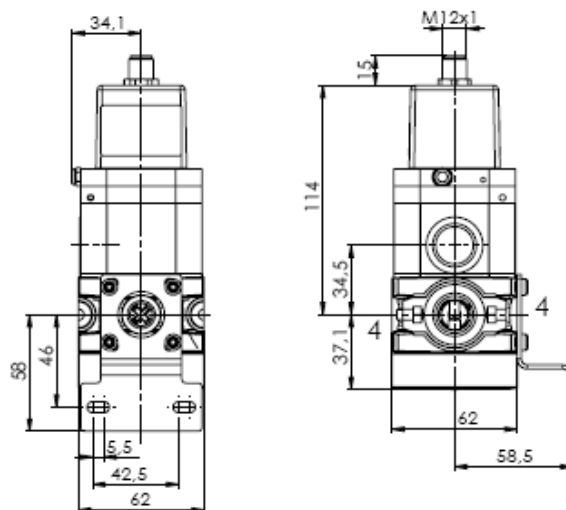
Combination device (filter regulator) — model A15K-1/2



Nano oil mist lubricator — model A15L-1/2



Electronic Pressure Regulator — model A15RE-1/2



Specification	Symbol	Unit	Maintenance unit, 2-piece with shut-off valve	Maintenance unit, 2-piece	Combination device (filter regulator)	Filter water separator	Pressure regulator	Nano oil mist lubricator	
Type			Comprising shut-off valve, filter regulator and nano oil mist lubricator, pressure gauge and mounting bracket	Comprising filter regulator and nano oil mist lubricator, pressure gauge and mounting bracket	With centrifugal system and filter insert, combined with membrane pressure regulator (spring tension controlled), with secondary ventilation, primary pressure compensation and quantity compensation, locking hand wheel	With centrifugal system and filter insert	Membrane pressure regulator (spring tension controlled) with secondary ventilation, primary pressure compensation and quantity compensation, locking hand wheel	Nano oil mist lubricator with constant mixture ratio	
Type			A15DVKL-1/2 A15DVKL-3/4	A15KL-1/2 A15KL-3/4	A15K-1/2 A15K-3/4	A15F-1/2 A15F-3/4	A15R-1/2 A15R-3/4	A15L-1/2 A15L-3/4	
Materials									
- Housing			High-tech polymer						
- Plastic container			High-tech polymer with polypropylene insert						
- Membrane			NBR	NBR	NBR	-	NBR	NBR	
- Standard seals			NBR						
Connection size (Variant NPTF)			G1/2, G3/4 (NPT 1/2)						
Max. condensate volume		cm ³	60	60	60	60	-	-	
Pore size of filter insert		µm	40 or 5	40 or 5	40 or 5	40 or 5	-	-	
Condensate draining			Manual, semi-automatic (with pressure release) or automatic (level-dependent)				-	-	
Mixture ratio		mg/m ³	5 or 25 - 50	5 or 25 - 50	-	-	-	5 or 25 - 50	
Max. oil fill level		cm ³	90	90	-	-	-	90	
Oil top-up			Manual, also possible during operation		-	-	-	Manual, also possible during operation	
Installation position			Vertical, container downwards				Any	Vertical, container downwards	
Medium and ambient temperature		T _{min}	°C 0 (to -40 on request)						
		T _{max}	°C 60						
Weight (mass)		kg	1.3	1.0	0.5	0.35	0.35	0.35	
Pneumatic specifications									
Operating pressure range Input		p1 _{min} p1 _{max}	bar 0 16						
Operating pressure range Output		p2 _{min/max}	bar 0.3 to 8 (0.3 to 16 on request) ³⁾		-	0.3 to 8 (0.3 to 16 on request) ³⁾		-	
Max. flow rate		Q _{max}	l/min m ³ /h	3300 ¹⁾ 198	3300 ¹⁾ 198	5400 ¹⁾ 324	7000 ⁴⁾ 420	5800 ¹⁾ 348	7200 ⁴⁾ 432
Most favorable operating range for lubricator ²⁾		Q _n	l/min m ³ /h	1850 111	1850 111	-	-	-	1850 111

¹⁾ at p₁ = 8 bar and p₂ = 6.3 bar and Δp = 1 bar

²⁾ at 6 bar and 25 m³/s flow rate

³⁾ by using special control springs, the pressure in the specified p₂ range can be adjusted accurately

⁴⁾ at p₁ = 8 bar and Δp = 1 bar



Air Preparation Units

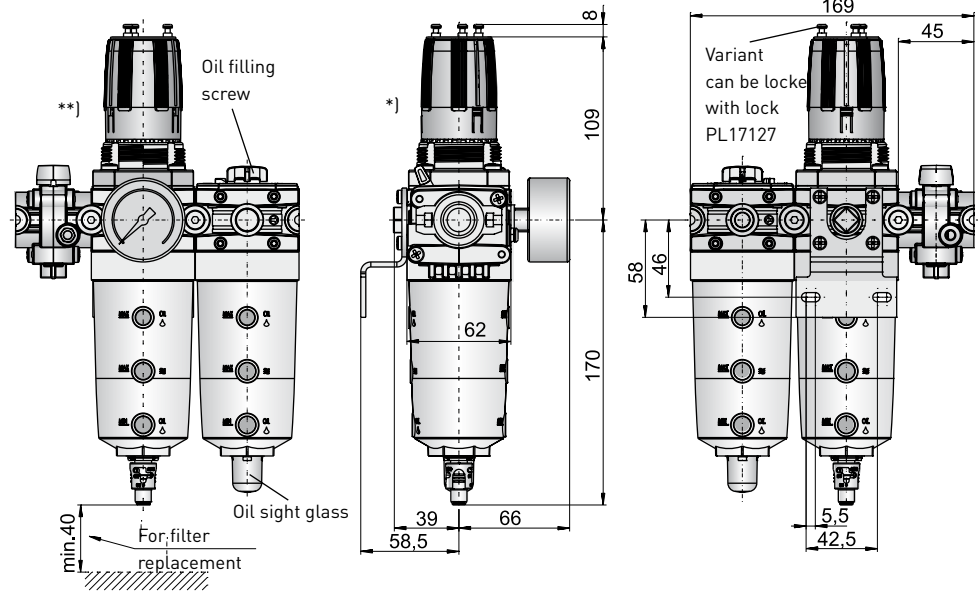
Air preparation unit, 2-piece with shut-off valve — model A15DVKL-1/2, -3/4

airfit A15 series
G1/2, G3/4

Dimensions

Features

- Bracket can be mounted immediately
- Modern design



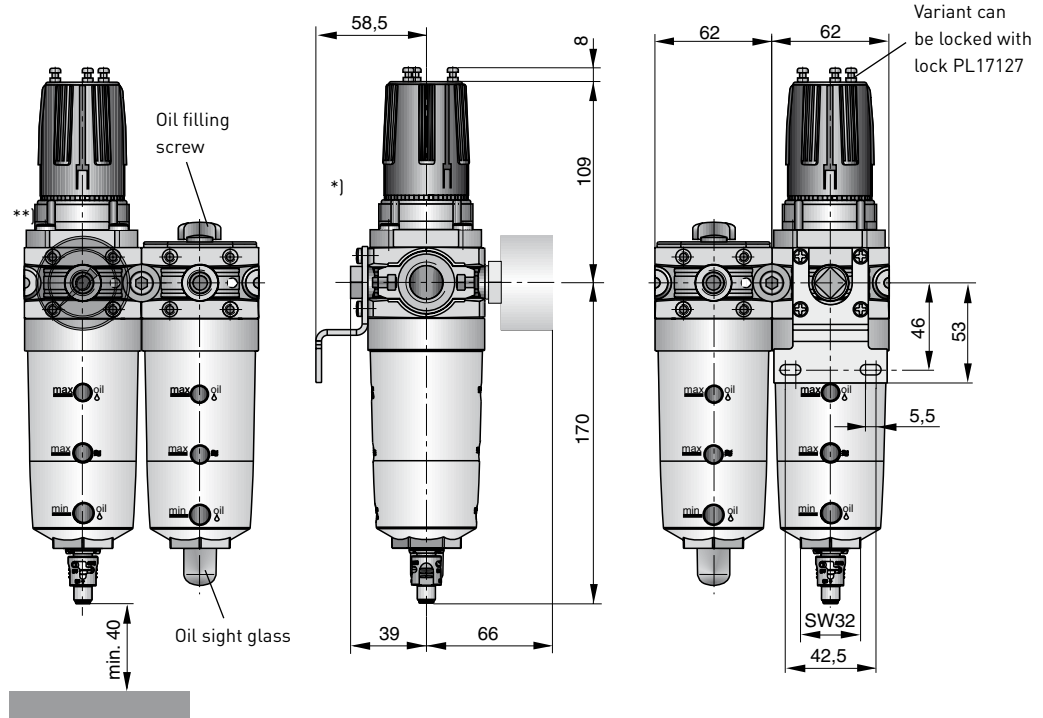
Scope of delivery:

Maintenance unit, 2-piece:
Combination device (filter regulator)
Nano oil mist lubricator
Pressure gauge
Mounting bracket (Optional shut-off valve)

Combination device (filter regulator):
No pressure gauge
No mounting bracket

- *] Locking screw is delivered unfitted
- **] Double-sided pressure gauge connection G1/4

Air preparation unit, 2-piece — model A15KL-1/2, -3/4



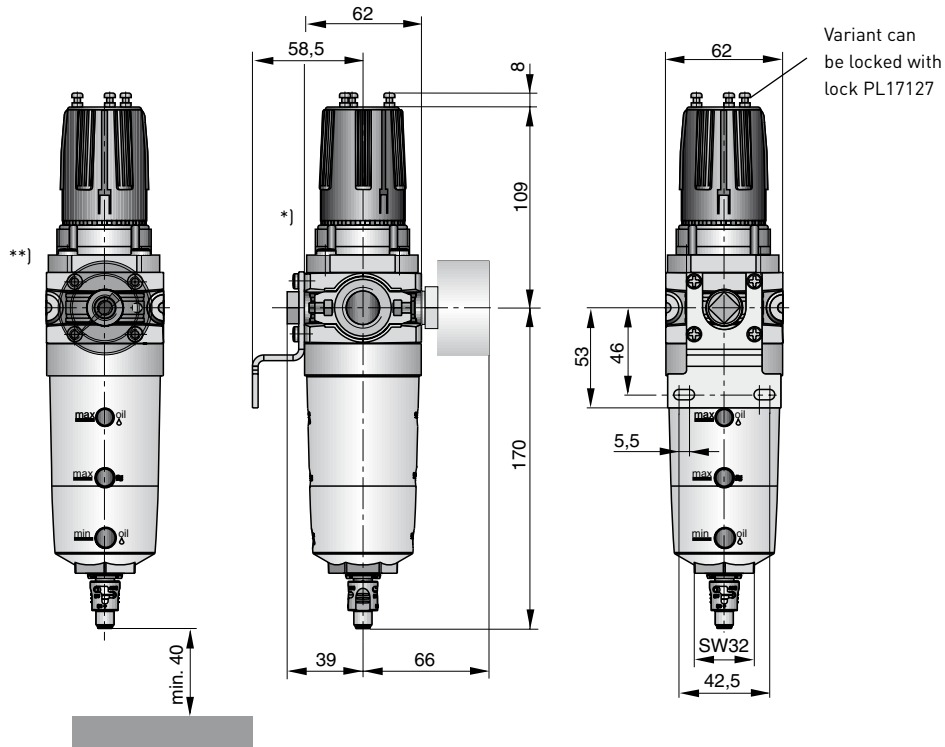
- *] Locking screw is delivered unfitted
- **] Double-sided pressure gauge connection G1/4



Air Preparation Units

airfit A15 series
G1/2, G3/4

Combination device (filter regulator) — model A15K-1/2, -3/4



- *] Locking screw is delivered unfitted
- **] Double-sided pressure gauge connection G1/4



See page 42 for Specifications

Dimensions in mm

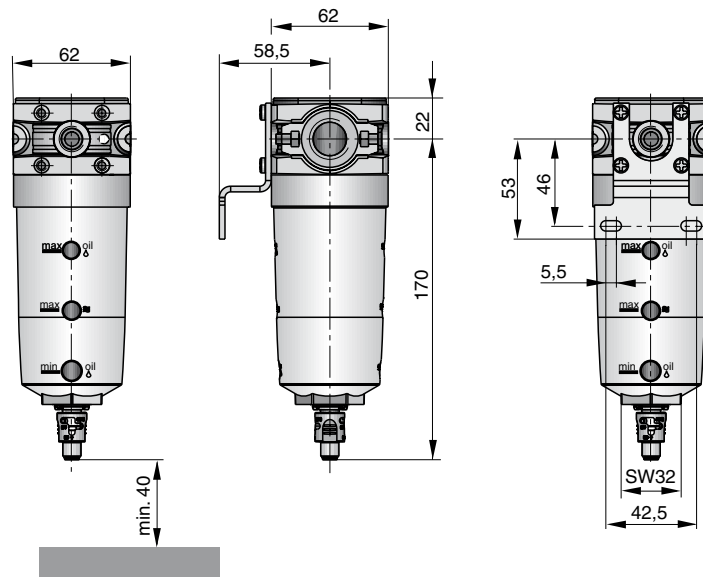


Air Preparation Units

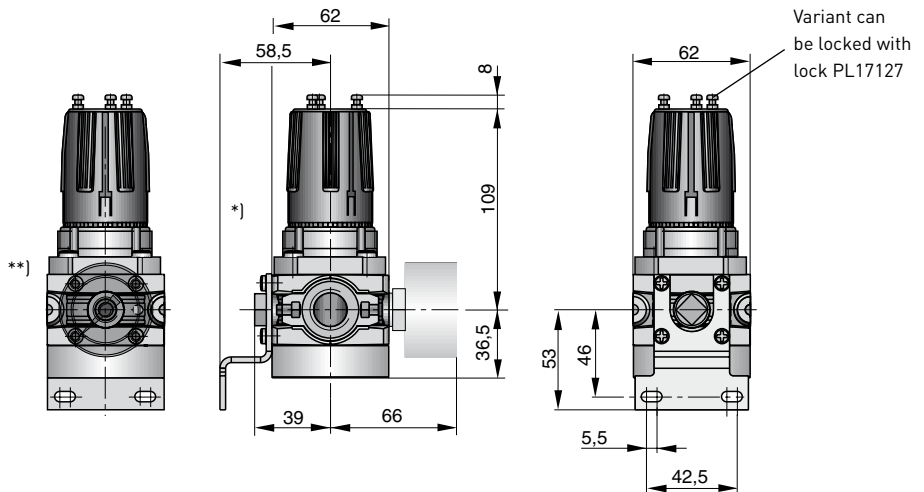
Filter water separator — model A15F-1/2, -3/4

airfit A15 series
G1/2, G3/4

Dimensions



Pressure regulator — model A15R-1/2, -3/4



- *) Locking screw is delivered unfitted
- ***) Double-sided pressure gauge connection G1/4

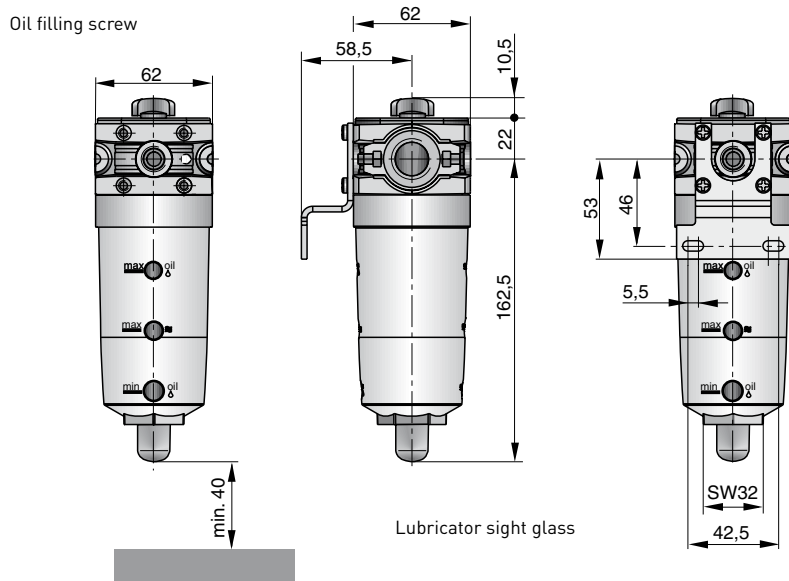


See page 42 for Specifications

Dimensions in mm



Nano oil mist lubricator — model A15L-1/2, -3/4



Air Preparation Units

*airfit A15 series
G1/2, G3/4*

Dimensions

Shut-off valve

Description	Symbol	Connect.	Type	Order no.
3/2-way shut-off valve 4 locks possible		G1/2	A15DV-1/2	A15DV449-000
		G3/4	A15DV-3/4	A15DV649-000

Order details

Accessories

Description	Symbol	Connect.	Type	Order no.
Pressure gauge Ø 50, 0-10 bar, G1/4		G1/4		KG8012
Mounting kit				PL19805
Coupling kit				PL19807
Lock for CR-./.-X				PL17127
Compressed air oil VG12 for nano oil mist lubricator				KG6140
Porting kit A15 incl. mounting material G1/2, 2xG1/4		G1/2		PL19899
Porting kit compatible with airfit comfort incl. mounting material G1/2, 2xG1/4, G1/8		G1/2		PL19902



See page 42 for Specifications

Dimensions in mm



Nano Mist

Simple. Convincing in the Details.

New Drain Valve. Manual and Semi-Automatic.

As a combination device, the A15 drain valve combines the functions of a manual condensate drain with those of a semi-automatic condensate drain. This gives greater flexibility during installation, reduces storage costs and also ensures increased operational reliability.

New Lubricator Concept. Self-Adjusting.

With conventional lubricators, only the oil volume per time unit can be adjusted. If the demand changes, the quantity dispensed still remains constant. The A15 lubricator concept sets new benchmarks here. For the first time, the oil volume is automatically adjusted to the flow rate. This ensures that there is neither too little nor too much oil in the system, which leads to clear economic and ecological advantages. In addition, with conventional systems, the distance between the lubricator and the equipment has to be less than 8 meters. With larger distances, the dispensed oil is deposited as a wall flow. The new lubricator principle of the A15, on the other hand, allows for distances of up to 40 meters. This opens up new scope for the design of even more efficient production systems.

