



simply the first



# The complete world of modern compressed air management

Modern automation technology would not be possible without efficient compressed air treatment. With the comprehensive **airfit** series HOERBIGER-ORIGA is an established leader for compressed air management systems.



**airfit** covers all requirements between G1/8 and G2. All market requirements are available including standard components, special solutions and fully integrated compressed air management systems.

**airfit** components are completely modular, enabling highly specialised system solutions for specific applications to be produced, even in the smallest of quantities.

- Stop valves
- Pressure control valves
- Filter water separators
- Oil mist lubricators
- Start/stop valves
- Microfilters
- Activated carbon filters
- Central lubricators
- Injection lubricators
- Prop. pressure regulators
- Comprehensive accessories ... in all connection sizes and with many options

**airfit** control electric regulators





**airfit also available as ATEX version**

- with special functions
- with special pressure ranges (up to 45 bar and more)
- with special temperature ranges (-40 to +120° C)
- for special media e.g. oxygen, nitrogen, etc.



**Membrane dryer**

**airfit dry**

The innovative membrane technology and especially the patented purge air control makes the membrane dryer **airfit dry**, one of the leading devices of its kind. As an ideal end-of-line solution, it is particularly suited for highly sensitive areas like medical technology, electronics, as well as

mobile pneumatic applications and industrial automation. Exceptional performance is guaranteed, even in the most arduous environmental conditions

- **No electrical connection**
- **No additional sensors or control elements**
- **No wear and tear due to the absence of mechanically moving parts**
- **Practically silent**
- **No alteration of the air composition**
- **Flexible depending on drying purpose**
- **Fast response**
- **Up to 16 bar**



**Microfilter MF** - filtration efficiency 99.999%. Active carbon filter MC - residual oil content 0.003 ppm



**Special devices upon customer request:**  
valve maintenance combination unit

**airfit light G1/8, G1/4**  
small, lightweight,  
with an intelligent interior



**airfit swing G1/8, G1/4, G3/8**  
the technically and economically  
convincing solution



**airfit A15 G1/2, G3/4**  
– for highest operating comfort  
– with many individual components



**airfit A25 G1 (G3/4)**  
a full one inch unit for the  
harshest environments



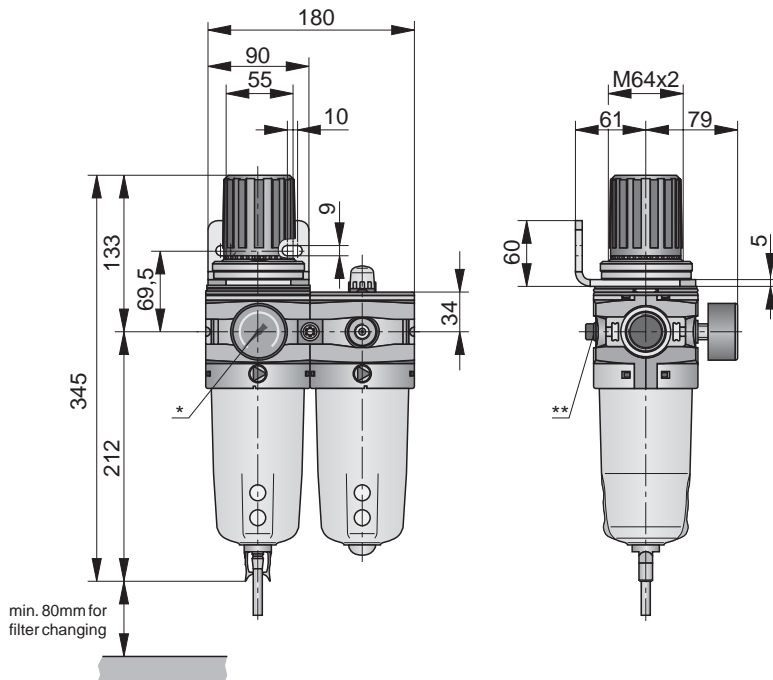
**airfit airfit A50 G2 (G11/2)**  
Main line devices for pressurised  
lifting gear in the offshore region,  
blow moulding machines, etc.



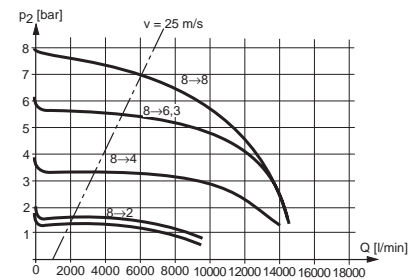
# airfit A25

G3/4, G1"

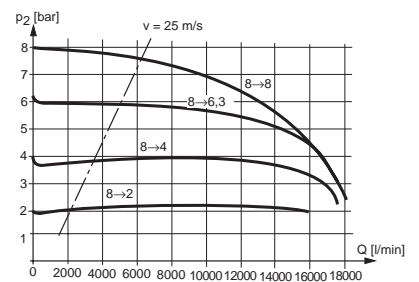
Type: A25KL-3/4-EMW  
A25KL-1-EMW



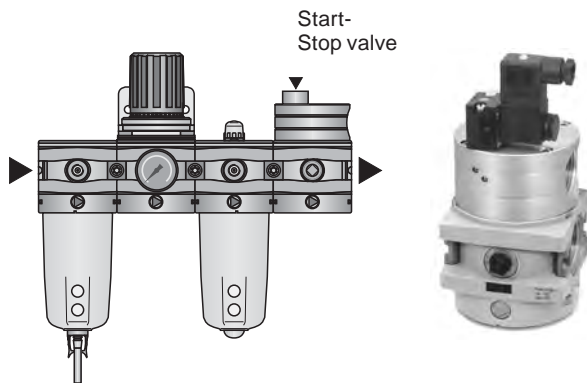
Type: A25FRL-1-EMW



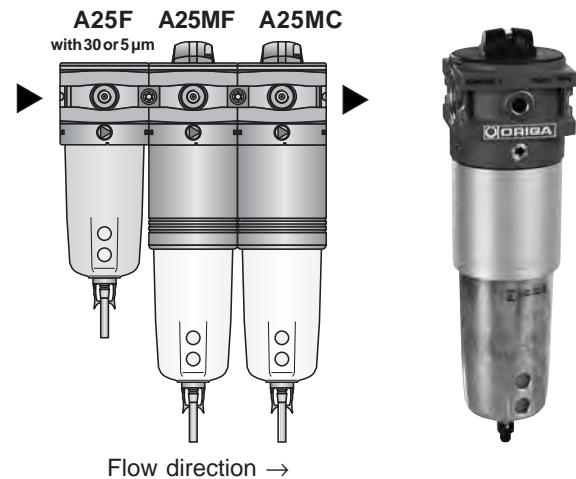
Type: A25K-1-E



Type: A25DS start/stop valve



Type: A25MF coalescing filter 0.01µm  
Type: A25MC activated carbon filter



Type: A25RV proportional pressure regulator  
Type: A25RE electronic pressure regulator



## Characteristics Common to All airfit A25 Units

Port sizes		G3/4, 1 and NPTF
Operating pressure	$P_{1\ min}$ bar	0
range, inlet	$p_{1\ max}$ bar	17.5
Medium and ambient	$T_{min}$ °C	- 10
temperature range	$T_{max}$ °C	+ 50 (+60°C at 12.5 bar)

## Air Preparation Unit A25FRL

comprising Filter-Water-Separator, Pressure Regulator and Oil Mist Lubricator

Type		A25FRL-3/4-EMW	A25FRL-1-EMW
Port size		G3/4	G1
Weight (Mass)	kg	3.3	3.3
Maximum	$Q_{max}$ l/min	7900	12580
flow rate	m³/h	474	775

## Air Preparation Unit A25KL

comprising Filter-Regulator and Oil Mist Lubricator

Type		A25KL-3/4-EMW	A25KL-1-EMW
Port size		G3/4	G1
Weight (Mass)	kg	2.8	2.8
Maximum	$Q_{max}$ l/min	8600	14650
flow rate	m³/h	528	879

## Filter-Regulator A25K

Pressure Regulator with Filter-Water-Separator

Type		A25K-3/4-E	A25K-1-E
Port size		G3/4	G1
Pore size of filter element	µm	30 or 5	30 or 5
Condensate drainage		manual, semiautomatic (with pressure relief) or fully automatic	
Weight (Mass)	kg	1.5	1.5
Operating pressure	$p_{2\ min}$ bar	0.5	0.5
range, outlet	$p_{2\ max}$ bar	12 (17.5)	12 (17.5)
Maximum	$Q_{max}$ l/min	13200	19000
flow rate	m³/h	792	1140

## Filter-Water-Separator, Dust Filter A25F, A25FD

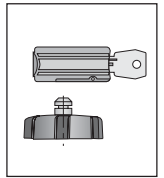
Type A25F Filter-water-separator with centrifugal system and filter element  
Type A25FD Dust filter with larger filter surface area for long service intervals, specially designed for use with dryers.

Type		A25F-3/4-E	A25F-1-E	A25FD-3/4-E	A25FD-1-E
Port size		G3/4	G1	G3/4	G1
Pore size of filter element	µm	30 or 5	30 or 5	1	1
Condensate drainage		manual, semiautomatic (with pressure relief) or fully automatic			
Weight (Mass)	kg	0.9	0.9	0.9	0.9
Maximum	$Q_{max}$ l/min	10400	11400		
flow rate	m³/h	624	684		

## Pressure Regulator A25R, A25RV

Spring-loaded or pilot operated diaphragm pressure regulator with secondary venting

Type		A25R-3/4	A25R-1
Port size		G3/4	G1
Weight (Mass)	kg	1.2	1.2
Operating pressure	$p_{2\ min}$ bar	0.5	0.5
range, outlet	$p_{2\ max}$ bar	12 (17.5)	12 (17.5)
Maximum	$Q_{max}$ l/min	14600	>20000
flow rate	m³/h	876	>1200



## Oil Mist Lubricator A25L

Oil Mist Lubricator with flow rate compensation

Type		A25L-3/4-E	A25L-1-E
Port size		G3/4	G1
Weight (Mass)	kg	0.8	0.8
Maximum oil capacity	cm³	500	500
Maximum	$Q_{max}$ l/min	16000	17700
flow rate	m³/h	960	1062



## Start- / Stop Valve A25DS

Start-/Stop Valve with pneumatic or electrical actuation

Type		A25DS-3/4	A25DS-1
Port size		G3/4	G-1
Weight (Mass)	kg	1.4	1.4
Operating pressure	$p_{2\ min}$ bar	2	2
range, outlet	$p_{2\ max}$ bar	17.5 (16)	17.5 (16)
Maximum	$Q_{max}$ l/min	10500	12000
flow rate	m³/h	630	720

## 3/2 Way Shut-Off Valve A25DV

3/2 Way Shut-Off Valve

Type		A25DV-3/4	A25DV-1
Port size		G3/4	G1
Weight (Mass)	kg	1.2	1.2
Maximum	$Q_{max}$ l/min	>20000	>20000
flow rate	m³/h	>1200	>1200



## Condensate Drainvalve

