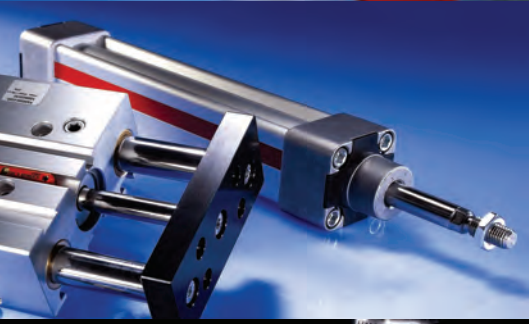




# Intelligent Automation

TUVQIPÁ ÁŮ^~{ ææææ äÄŮ^&dæÄŮiæ^ÁŮ•cŮ •

simply the first



Rodless Cylinders  
@bYUf; i JXys  
9YWFJW5Vh Uhcfs  
A chcfğžGearheads  
Air Cylinders  
DbYi a UhjWJ Uj Yg  
: F@žFittingsžHi VY  
Vacuum Equipment



# 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

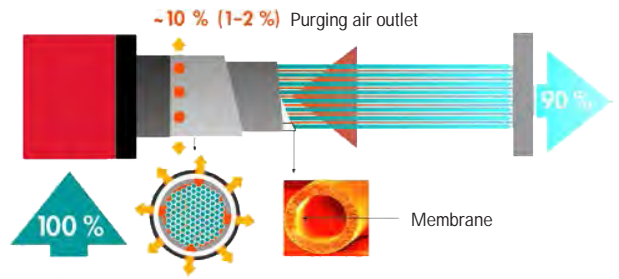


**airfit airfit A50 G2 (G11/2)**  
Main line devices for pressurised lifting gear in the offshore region, blow moulding machines, etc.




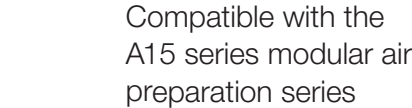



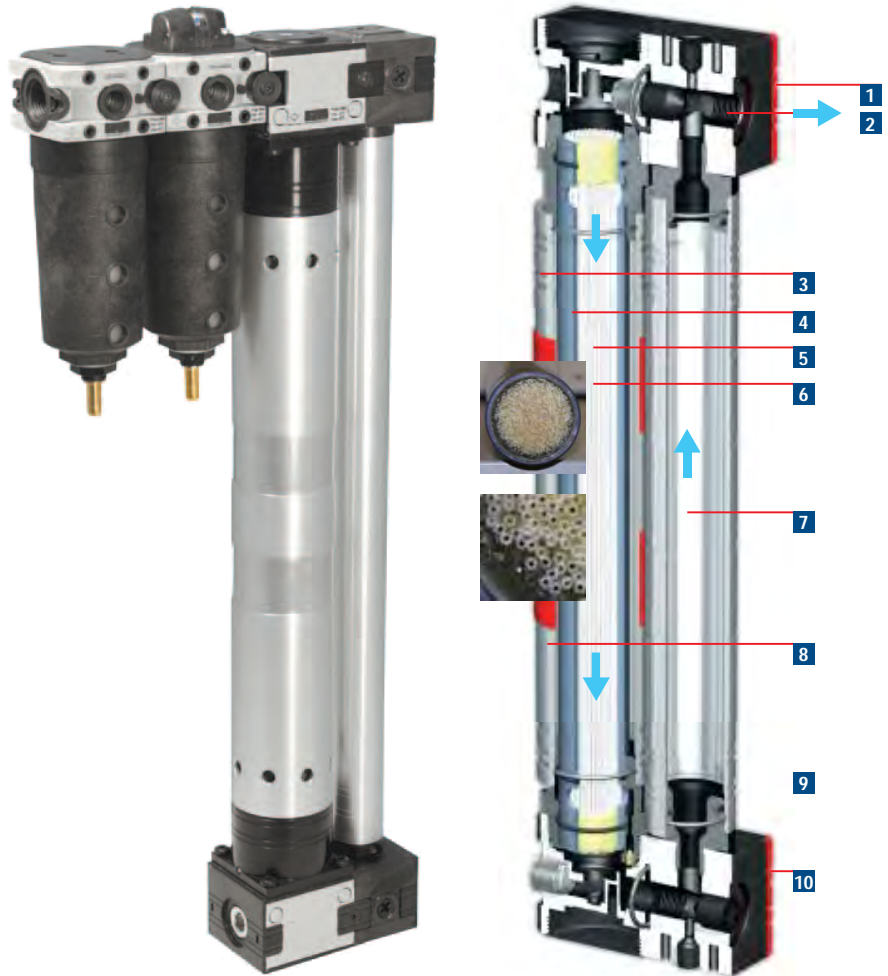
# airfit Dry

## G1/2, G3/4

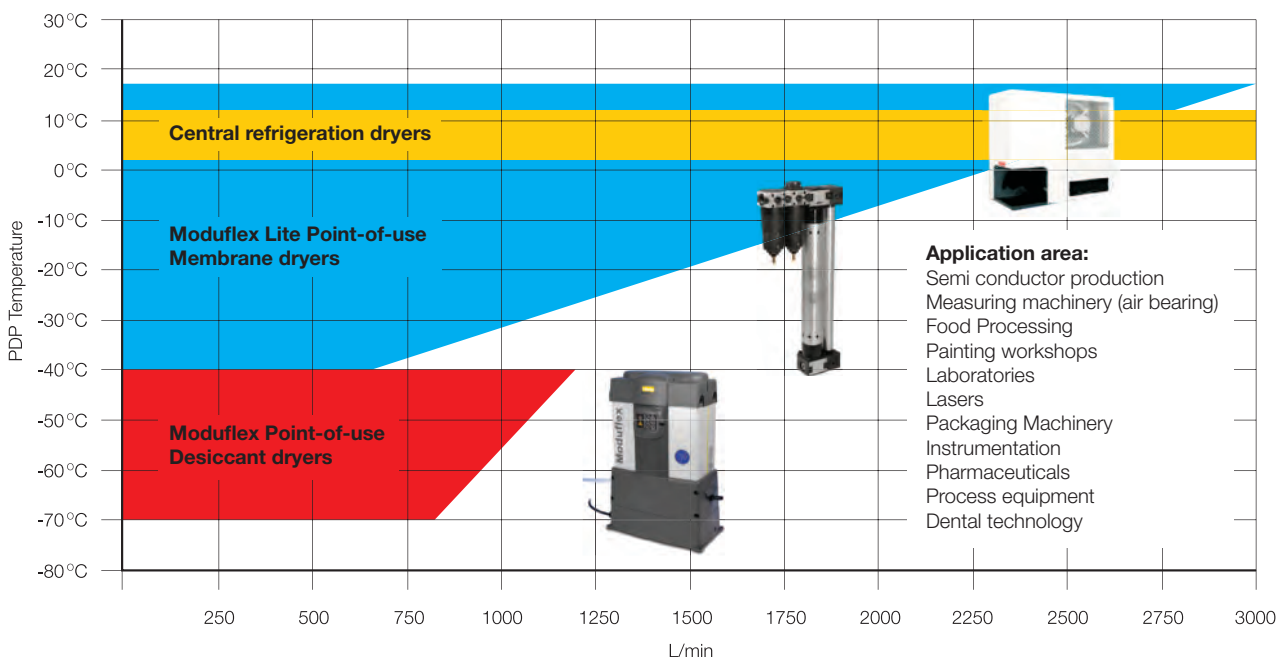


### Advantages of the A15 Membrane Dryers

-  Dried compressed air is immediate
-  No electrical connection necessary
-  Suitable for hazardous areas
-  No CFC's/FC's
-  Compatible with the A15 series modular air preparation series
-  Low pressure drop
- No moving parts
- No drying medium required
- Low purge air usage
- Low operating costs

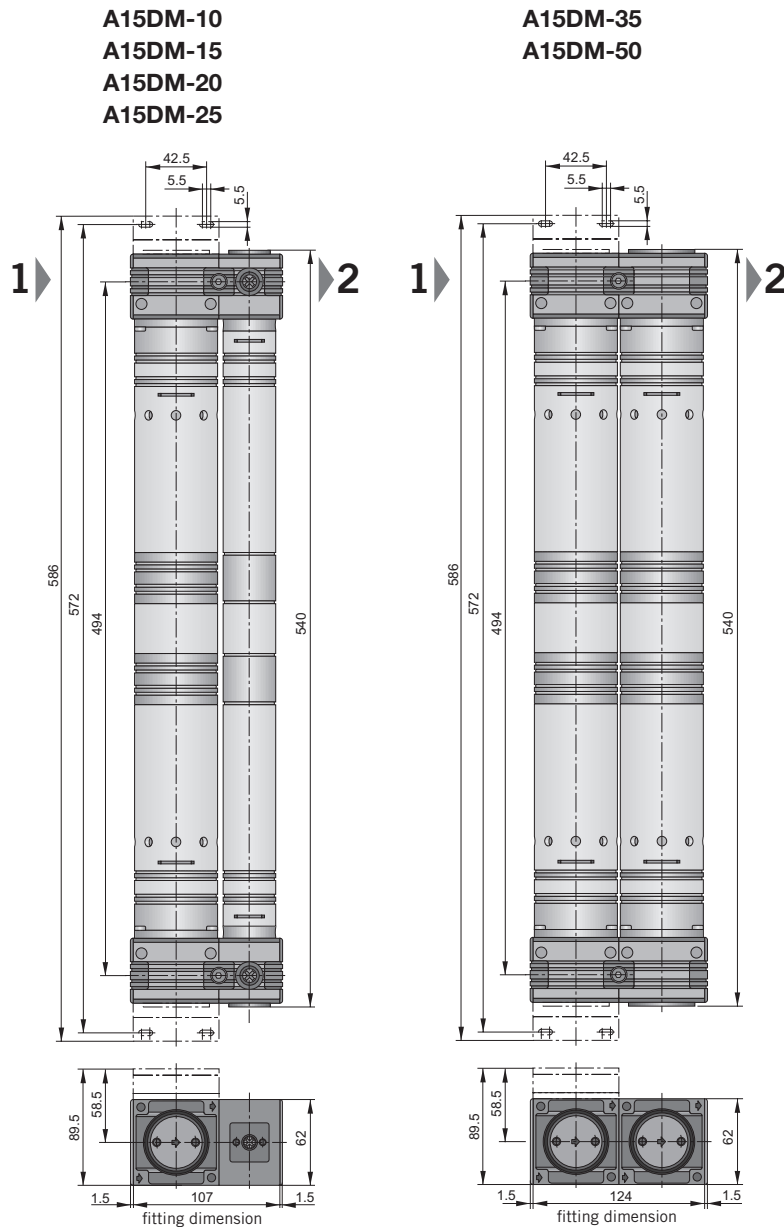


### Dryer types with PDP reduction & flow values



## Technical Information

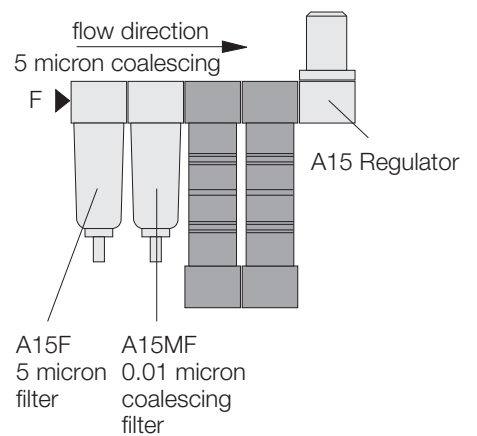
			Size 10	Size 15	Size 20	Size 25	Size 35	Size 50
Port size			G1/2	G1/2	G1/2	G1/2	G1/2	G1/2
Medium and Ambient temperature	$\vartheta_{\min}$	°C	+2	+2	+2	+2	+2	+2
	$\vartheta_{\min}$	°C	+60	+60	+60	+60	+60	+60
Weight (kg)			3.3	3.3	3.3	3.3	4.2	4.2
Operating pressure range	$P_{\min}$	bar	5	5	5	5	5	5
Input	$P_{\max}$	bar	16	16	16	16	16	16
Maximum flow	$Q_{\max}$	l/min	560	840	1120	1400	1960	2800
		m <sup>3</sup> /h	33.6	50.4	67.2	84	117.5	168
Nominal flow	$Q_{\max}$	l/min	167	250	333	417	583	833
		m <sup>3</sup> /h	10	15	20	25	35	50
Purging air requirement		%	ca. 10	ca. 10	ca. 10	ca. 10	ca. 10	ca. 10
Pressured drop	$\Delta p$	bar	0.02-0.05	0.02-0.05	0.02-0.05	0.02-0.05	0.06	0.12



- Compact
- Immediate dry air delivery
- No electric power supply required
- Minimal purge air consumption
- Low pressure drop
- No change in air composition

### Mounting Instructions

Recommended mounting sequence



Dimensions in mm