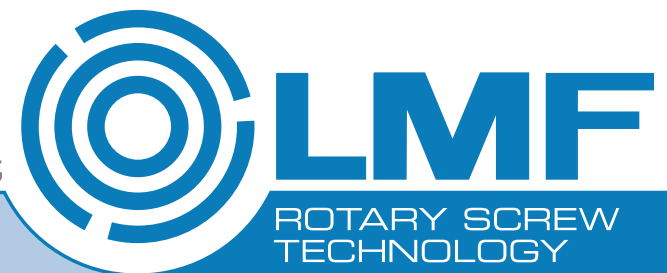


# LMF Full Capability Pipe System



[www.lmf.at](http://www.lmf.at)



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# Company Profile

## COMPANY PROFILE

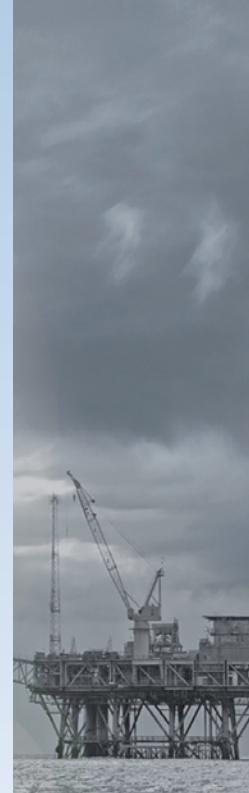
LMF is an Austrian manufacturer of reciprocating and rotary screw air and gas compressors for industrial and oil and gas industry application. The LMF pipe offers energy saving, superior reliability and easy modular installation full capability pipe system.

LMF has been producing compressors for over 65 years and offers its customers the benefits of the latest developments in design engineering, proven manufacturing methods, full load testing prior to shipment, and superior after sales services.

## COMPANY LOCATION

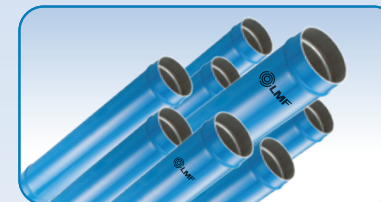
LMF Headquarters in Leobersdorf, Austria.

Leobersdorf is located approx. 30 km south of the capital of Austria, Vienna, and has direct access to the freeways, both to the city of Vienna and to the Vienna International Airport.



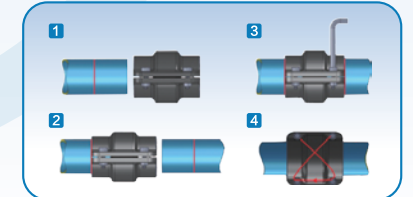
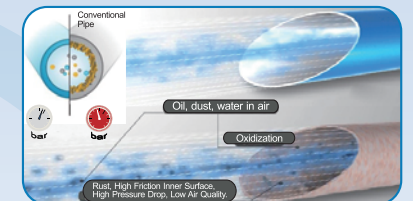
## Superior Reliability & Longevity

- Highly durable materials resistant to corrosion, vibration, thermal variation, and outdoor weather conditions.
- Metal clamshell connectors for all diameters are stronger and more durable versus polymer fittings.
- Unique grab ring design (20-50mm) and lugged ring (63-200mm) allows for zero risk of disconnection.
- Patented active concentric seals provide leak free performance, even in high vibration applications. Seal lifespan is double that of industry competitors.



## Energy & Cost Savings

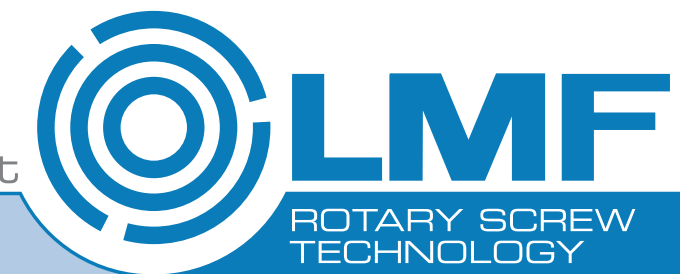
- The smooth interior design and high-flow connectors ensures a constant supply of clean air at a reduced pressure drop, resulting in significant energy savings.
- Guaranteed leak-free performance and superior longevity versus traditional pipe systems.



## Quick & Easy Modular Installation

- Complete range of pipe, fittings and accessories works easily for new projects renovations & extensions.
- Requires no special tooling, welding, gluing, brazing, soldering, or thread cutting.
- Reusable, lightweight, and modular design allows for easy modifications.
- Quick drops can be added at any time to create new points of use.

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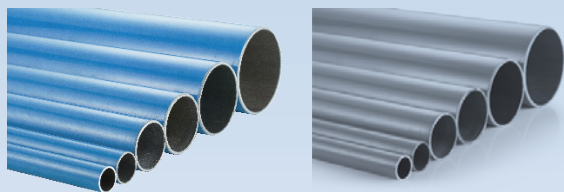


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# Product Range & Features

## Rigid Aluminum Pipe



- Up to max.200mm diameter - 200m3/min flow single line.
- High-quality powder coating available in blue and gray. Additional colors can also be supplied.
- Designed for compressed air, vacuum, and inert gases.
- Light-weight & corrosion-free.

## Quick Drop Fittings



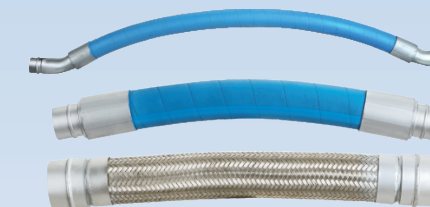
- Quick installation to main ring.
- Can be used vertically or horizontally.
- Design does not allow water to enter downstream points of use.
- Configurations allow for multiple drop connection types, e.g., hose reels.

## Ball & Butterfly Valves



- Quick connection.
- Available for BSP/NPT thread, flange, plug-in connection type.
- High-flow design ensures optimal performance

## Flexible Hose

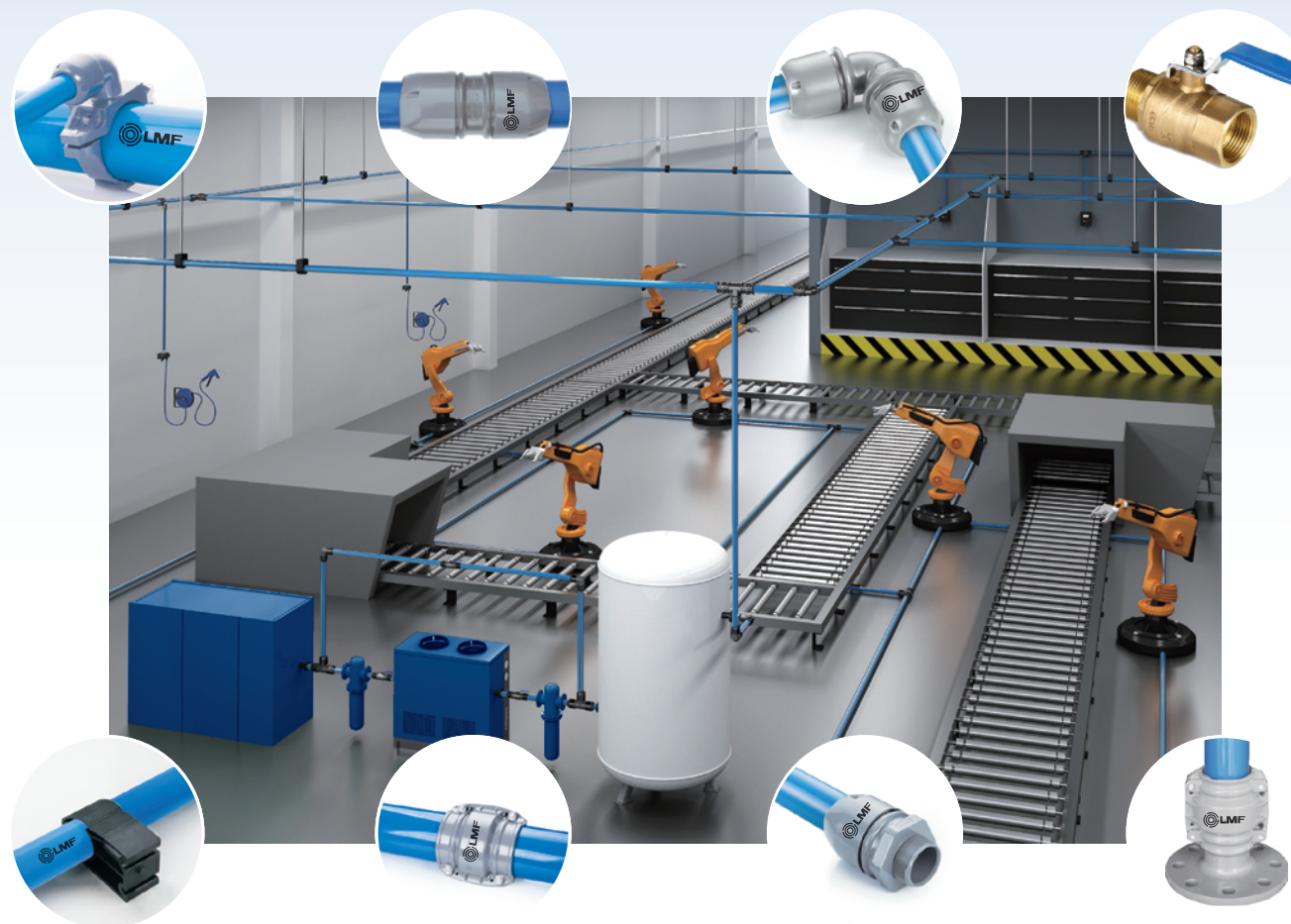


- Suitable for compressor & equipment outlets to absorb vibration.
- Allows for expansion and contraction of the pipe system.
- Bypass obstacles for pipe distribution.
- Resistant to mineral or synthetic lubricated oils.

## Pipe Connectors



- Quick-connect design.
- Superior reliability & longevity.
- Largest fitting configurations available.
- Modular & reusable.
- 100% recyclable & non-flammable materials.

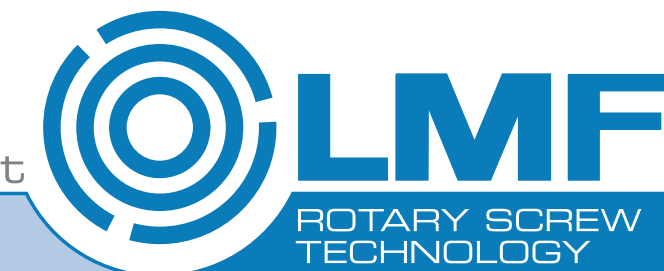


## Tools & Accessories



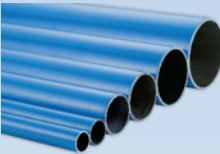
- Suitable for various pipe systems.
- Used for a variety of installation methods, e.g., wall, beam, roof, channel, rod, etc.
- Designed to work best with AIRpipe products.

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# Product Matrix & Quick Sizing



LMF PIPE	Φ20mm	Φ25mm	Φ40mm	Φ50mm	Φ63mm	Φ80mm	Φ100mm	Φ150mm	Φ200mm
	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"
Blue Aluminum pipe (3m/6m)	●	●	●	●	●	●	●	●	●
S Bend	●	●							
Pipe Clip and Gasket	●	●	●	●	●	●	●	●	●



LMF CONNECTOR	Φ20mm	Φ25mm	Φ40mm	Φ50mm	Φ63mm	Φ80mm	Φ100mm	Φ150mm	Φ200mm
	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"
Equal Aluminum Socket (Male Thread)	●	●	●	●	●	●			
Reducing Aluminum Socket (Male Thread)	●	●	●	●	●	●			
Equal Aluminum Socket (Female Thread)	●	●	●	●	●				
Equal Aluminum Socket with Flange					●	●	●	●	●
Reducing Aluminum Socket with Flange					●	●	●	●	●



LMF CONNECTOR	Φ20mm	Φ25mm	Φ40mm	Φ50mm	Φ63mm	Φ80mm	Φ100mm	Φ150mm	Φ200mm
	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"
Equal Socket	●	●	●	●	●	●	●	●	●
Reducing Socket		●	●	●	●	●	●	●	●
90° Elbow	●	●	●	●	●	●	●	●	●
Equal Tee		●	●	●	●	●	●	●	●
Reducing Tee		●	●	●	●	●	●	●	●
Quick Drop		●	●	●	●	●	●	●	●
Thread Quick Drop		●	●	●	●	●			
Valve	●	●	●	●	●	●	●	●	●



The following table is based on a closed-loop pipe system.  
Working pressure is 8bar and pressure drop is 0.4bar, flow speed not taken into account.

Flow N m³/h	Length									
	50M	100M	150M	300M	500M	750M	1000M	1300M	1600M	2000M
10	20	20	20	20	20	20	20	25	25	25
30	20	20	20	25	25	25	25	25	25	40
50	20	25	25	25	25	25	40	40	40	40
70	25	25	25	25	40	40	40	40	40	40
100	25	25	25	40	40	40	40	40	40	50
150	25	40	40	40	40	40	40	50	50	50
250	40	40	40	40	50	50	50	50	50	50
350	40	40	40	50	50	50	63	63	63	63
500	40	40	50	50	63	63	63	63	63	63
750	40	50	50	50	63	63	63	80	80	80
1000	50	50	63	63	63	80	80	100	100	100
1250	50	50	63	63	63	100	100	100	100	100
1500	50	63	63	80	80	100	100	100	100	100
1750	63	63	80	80	80	100	100	100	100	150
2000	63	80	80	80	100	100	100	100	150	150
2500	63	80	80	80	100	100	100	150	150	150
3000	80	80	80	100	100	150	150	150	150	150
3500	80	80	100	100	150	150	150	150	150	150
4000	80	100	100	100	150	150	150	150	150	150
4500	80	100	100	150	150	150	150	150	150	150
5000	80	100	100	150	150	150	150	150	150	150
5500	100	100	150	150	150	150	150	150	150	150
6000	100	100	150	150	150	150	150	150	150	150
6500	150	150	150	150	150	150	150	150	150	200
7200	150	150	150	150	150	150	150	200	200	200
8000	200	200	200	200	200	200	200	200	200	200
8500	200	200	200	200	200	200	200	200	200	200
10000	200	200	200	200	200	200	200	200	200	200
12000	200	200	200	200	200	200	200	200*	200*	200*

## Technical Specifications

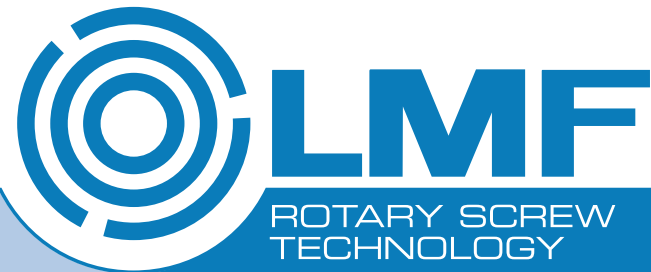
- Max. working pressure: 15bar (-20°C-+80°C), 16bar (-20°C-+45°C)  
Vacuum: 0.13bar (absolute pressure)
  - Working temperature: -20°C to +80°C.
  - Suitable fluids: compressed air, oil-free or lubricated, wet, vacuum, inert gases.
  - Fireproof. and suitable for outdoor applications.
- \*Max. working pressure for DN200 is 13bar.

## Qualification & Standards

97/23/EC, ASME B31.1, TUV, GB/T4437.1-2000, EN755-8, TS



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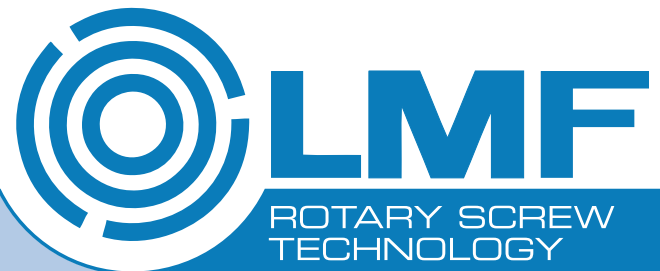
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