

# A Breath of Fresh Air for the Diving Market

Product Refinements Achieve Big Performance Gains On Diving Regulators.

One of the major advantages of an experienced design team is that even long established products are constantly reviewed to ensure they continue to meet the needs of the market for which they are intended.

Some of our regulators are utilised across multiple markets, and it's here we can make the biggest improvements. We look to see if even small modifications can be made to suit specific applications.

Our MF101D and MF301D, for example, are popular for diving applications. In such environments, the role of the sensor assembly is critical to ensuring the outlet pressure quickly returns to the set pressure to ensure the diver continues to breathe comfortably during use.

Following a scheduled product review of our MF101D and MF301D, the Pressure Tech design team implemented some key updates:

- **Baffle Plate:** Added to reduce turbulence underneath the sensor (*MF301D only*)
- **Sensor Holder:** Dimensional changes to the holder.
- **O-Ring/Back-Up O-Ring:** Fine compression adjustments to reduce friction.

Feedback from customers has been excellent. Sensitivity levels have increased dramatically, meaning even less deviation from the set point during usage. This ensures our pressure regulators are able to offer a very comfortable and assured experience when used on breathing equipment for deep sea dives.

For more information please call our sales team on +44 (0)1457 899 307 or email [sales@pressure-tech.com](mailto:sales@pressure-tech.com).



UPDATED DESIGN

**MF301D**  
 With new baffle plate and updated sensor assembly.  
 Max In: 300 bar (4,350 psi)  
 Max Out: 300 bar (4,350 psi)  
 Port Size: 1/2" & 3/4" NPT  
 Flow: 2.0  
 Non- or self-venting  
 Cleaned and degreased to ASTM G93 Level C



UPDATED DESIGN

**MF101D**  
 With updated sensor assembly.  
 Max In: 300 bar (4,350 psi)  
 Max Out: 40 bar (580 psi)  
 Port Size: 1/4" NPT  
 Flow: 0.5  
 Non- or self-venting  
 Cleaned and degreased to ASTM G93 Level C

SEE ALSO...



	LF310	LF540	BIBS100	MF300T
Max In	414 bar (6,000 psi)	690 bar (10,000 psi)	50 bar (725 psi)	300 bar (4,350 psi)
Max Out	35 bar (510 psi)	414 bar (6,000 psi)	30 bar (435 psi)	25 bar (360 psi)
Port	1/4" NPT	1/4" NPT	1/2" & 3/4" NPT	1/2" NPT
Flow	0.06	0.1	2.0	2.0
Venting	Non	Non or self	Non	Self

Unit 24, Graphite Way, Hadfield, Glossop, Derbyshire, UK, SK13 1QH  
 T +44 (0)1457 899 307  
 E [sales@pressure-tech.com](mailto:sales@pressure-tech.com)  
 W [www.pressure-tech.com](http://www.pressure-tech.com)