MESSER
Cutting & Welding

TORNADO

LFM

HEAVY DUTY SINGLE STAGE CYLINDER PRESSURE REGULATORS WITH OUTLET FLOW-METER

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TORNADO SERIES LFM

HEAVY DUTY SINGLE STAGE REGULATORS WITH FLOW-METER

The ***TORNADO*** single stage, spring-loaded regulator with flow meter is a time and industry proven design that has evolved from more than 100 years of Messer German engineering experience and technology to ensure the accurate control of industrial gases with minimum outlet pressure fluctuations and stable flow rates.
TORNADO regulators series LFM is a visibly strong, no nonsense, durable construction that sets the standard for pressure regulators used throughout heavy duty welding, brazing, soldering, and gas shielding applications.
The ***TORNADO*** uses the most up-to-date production and testing facilities to ensure a reliable, versatile, affordable, high performance regulator.

TORNADO Type LFM

- Designed in accordance to internationally recognized standards EN ISO, BSP, CGA, NFE and AS.
- Manufactured under the quality management of EN ISO 9001.
- 100% Quality Assurance Testing.
- Heavy duty, durable construction.
- Forged brass body and housing cap.
- Heavy duty flow meter with shatter proof Polymer lens.
- Pressure relief valve & Burst Disc on flow meter to ensure maximum safety.
- Unique Central Sintered filter protects valve seat from foreign particles and contaminants.
- Internal design reduces gas velocity to prevent fluctuation of valve seat.
- Soft valve seat to ensure leak tightness and increase life span.
- Inlet pressure gauge and outlet flow-meter with dual scale.
- Fire-retardant valve seat material.
- Outlet pressure relief valve on regulator body ensures operator safety.
- Internal limit lock to maintain stable and constant pressure to flow meter to ensure accurate and stable gas flow.
- Large internal engineering to achieve comparatively high gas flow characteristics and pressure stability
- Reduced maintenance and downtime due to maintenance-free technology.
- German engineered for optimum performance and long life.

TORNADO Type	Standard	Gas Type	Inlet Pressure	Flow Rate	Article No.
LFM/E-Ar	DIN	Ar Argon	200 bar 2900 psi	16l/min/34scfh	770.52095
				30l/min/64scfh	770.52096
LFM/B-Ar	BSP			16l/min/34scfh	770.52097
				30l/min/64scfh	770.52098
LFM/F-Ar	NFE			16l/min/34scfh	770.52099
				30l/min/64scfh	770.52100
LFM/AS-Ar	AS		20000 KPa 2900 psi	16l/min/34scfh	770.52101
				30l/min/64scfh	770.52102
LFM/E-C	DIN	CO_2 Carbon Dioxide	100 bar 1450 psi	16l/min/34scfh	770.52103
				30l/min/64scfh	770.52104
LFM/B-C	BSP			16l/min/34scfh	770.52105
				30l/min/64scfh	770.52106
LFM/F-C	NFE			16l/min/34scfh	770.52107
				30l/min/64scfh	770.52108
LFM/AS-C	AS		10000 KPa 1450 psi	16l/min/34scfh	770.52109
				30l/min/64scfh	770.52110

TORNADO Type	Standard	Gas Type	Inlet Pressure	Flow Rate	Article No.
LFM/E-N	DIN	N_2 Nitrogen	200 bar 2900 psi	16l/min/34scfh	770.52111
				30l/min/64scfh	770.52112
LFM/B-N	BSP			16l/min/34scfh	770.52113
				30l/min/64scfh	770.52114
LFM/F-N	NFE			16l/min/34scfh	770.52115
				30l/min/64scfh	770.52116
LFM/AS-N	AS		20000 KPa 2900 psi	16l/min/34scfh	770.52117
				30l/min/64scfh	770.52118
LFM/E-H	DIN	H_2 Hydrogen	200 bar 2900 psi	16l/min/34scfh	770.52119
				30l/min/64scfh	770.52120
LFM/B-H	BSP			16l/min/34scfh	770.52121
				30l/min/64scfh	770.52122
LFM/F-H	NFE			16l/min/34scfh	770.52123
				30l/min/64scfh	770.52124
LFM/AS-H	AS		20000 KPa 2900 psi	16l/min/34scfh	770.52125
				30l/min/64scfh	770.52126

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