

TORNADO 300

Series RT and RST



**HIGH-FLOW REGULATORS WITH OUTLET PRESSURE
UP TO 20 BAR**

TORNADO 300 RT and RST

HIGH-FLOW SINGLE STAGE REGULATORS WITH OUTLET PRESSURE-GAUGE

The **TORNADO 300** spring-loaded high-flow pressure regulator 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 comparatively high flow rates.

TORNADO 300 regulator series RT and RST is a visibly strong, no nonsense, durable construction that sets the standard for pressure regulators used throughout heavy duty welding, brazing, heating, cutting, gouging applications. The **TORNADO 300** uses the most up-to-date production and testing facilities to ensure a reliable, versatile, affordable, high performance regulator.



TORNADO 300 RT



TORNADO 300 RST

- 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.
- Outlet pressure up to 20 bar/290 psi.
- Flow rate up to 250 m³/h
- Stainless Steel Diaphragm.
- Soft valve seat to ensure leak tightness and increase life span.
- Fire-retardant valve seat material.
- Extremely accurate gas pressure regulation. The internal components are carefully related to both pressure and flow, saving unnecessary and expensive spare capacities.

- Heavy duty, durable construction.
- Large internal engineering to achieve comparatively high gas flow characteristics and pressure stability.
- Internal design reduces gas velocity to prevents high pressure oxygen heat spots.
- Forged brass body and housing cap.
- Inlet and outlet pressure gauge with dual scale.
- Outlet pressure relief valve ensures operator safety.
- Limit lock arrangement to prevent over pressuring of regulator.
- Reduced maintenance and downtime due to maintenance-free technology.
- German engineered for optimum performance and long life.

TORNADO 300 Type	Standard	Gas Type	Inlet Pressure	Working Pressure	Article No.		
RT/E-O	DIN	O ₂ Oxygen	200 bar 2900 psi	20 bar 290 psi	770.53092		
RST/E-O					770.53093		
RT/B-O	BSP				770.53036		
RST/B-O					770.53037		
RT/U-O	CGA				770.53094		
RST/U-O					770.53095		
RT/F-O	NFE				770.53096		
RST/F-O					770.53097		
RT/AS-O	AS				20000 KPa	2000 KPa	770.53098
RST/AS-O					2900 psi	290 psi	770.53099
RT/E-Ar	DIN	Ar Argon	200 bar 2900 psi	20 bar 290 psi	770.53100		
RST/E-Ar					770.53101		
RT/B-Ar	BSP				770.53102		
RST/B-Ar					770.53103		
RT/U-Ar	CGA				770.53104		
RST/U-Ar					770.53105		
RT/F-Ar	NFE				770.53200		
RST/F-Ar					770.53201		
RT/AS-Ar	AS				20000 KPa	2000 KPa	770.53202
RST/AS-Ar					2900 psi	290 psi	770.53203

TORNADO 300 Type	Standard	Gas Type	Inlet Pressure	Working Pressure	Article No.		
RT/E-C	DIN	CO ₂ Carbon Dioxide	200 bar 2900 psi	20 bar 290 psi	770.53204		
RST/E-C					770.53205		
RT/B-C	BSP				770.53206		
RST/B-C					770.53207		
RT/U-C	CGA				770.53208		
RST/U-C					770.53209		
RT/F-C	NFE				770.53210		
RST/F-C					770.53211		
RT/AS-C	AS				20000 KPa	2000 KPa	770.53212
RST/AS-C					2900 psi	290 psi	770.53213
RT/E-N	DIN	N Nitrogen	200 bar 2900 psi	20 bar 290 psi	770.53214		
RST/E-N					770.53215		
RT/B-N	BSP				770.53216		
RST/B-N					770.53217		
RT/U-N	CGA				770.53218		
RST/U-N					770.53219		
RT/F-N	NFE				770.53220		
RST/F-N					770.53221		
RT/AS-N	AS				20000 KPa	2000 KPa	770.53222
RST/AS-N					2900 psi	290 psi	770.53223



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