

TORNADO

TL / TLS and RT / RTS



CYLINDER PRESSURE REGULATORS HAND CUTTING TORCHES MACHINE CUTTING TORCHES NOZZLES ACCESSORIES

**PISTON DESIGNED CYLINDER PRESSURE REGULATORS WITH
OUTLET PRESSURE ADJUSTABLE TO 50 BAR**

TORNADO Piston type Regulators

Heavy duty single stage piston regulators with pressure-gauge

The **TORNADO** single stage, spring-loaded piston type 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 flowrates.

TORNADO piston type regulators is a visibly strong, no nonsense, durable construction that sets the standard for pressure regulators used extensively for pressure vessel testing and testing instruments. The **TORNADO** uses the most up-to-date production and testing facilities to ensure a reliable, versatile, affordable, high performance regulator.

Type TL / RT	Type TLS / RTS	Standard	Gas Type	Inlet Pressure	Outlet Pressure	Art-No. L	Art-No. LS
TL/E-O 50	TLS/E-O 50	DIN	O ₂ Oxygen	230 bar/3335 psi	50 bar/725 psi	770.21214	770.21215
TL/B-O 50	TLS/B-O 50	BSP				770.21226	770.21227
RT/U-O 50	RTS/U-O 50	CGA				770.21377	770.21378
TL/F-O 50	TLS/F-O 50	NFE				770.21379	770.21380
TL/AS-O 50	TLS/AS-O 50	AS		23000 Kpa/3335 psi	5000/725 psi	770.21381	770.21382
TL/E-H 50	TLS/E-H 50	DIN	H ₂ Oxygen	230 bar/3335 psi	50 bar/725 psi	770.21238	770.21239
TL/B-H 50	TLS/B-H 50	BSP				770.21250	770.21251
RT/U-H 50	RTS/U-H 50	CGA				770.21383	770.21384
TL/F-H 50	TLS/F-H 50	NFE				770.21385	770.21386
TL/AS-H 50	TLS/AS-H 50	AS		23000 Kpa/3335 psi	5000/725 psi	770.21387	770.21388
TL/E-Ar 50	TLS/E-Ar 50	DIN	Ar Argon	230 bar/3335 psi	50 bar/725 psi	770.21262	770.21263
TL/B-Ar 50	TLS/B-Ar 50	BSP				770.21274	770.21275
RT/U-Ar 50	RTS/U-Ar 50	CGA				770.21389	770.21390
TL/F-Ar 50	TLS/F-Ar 50	NFE				770.21391	770.21392
TL/AS-Ar 50	TLS/AS-Ar 50	AS		23000 Kpa/3335 psi	5000/725 psi	770.21393	770.21394
TL/E-N 50	TLS/E-N 50	DIN	N ₂ Nitrogen	230 bar/3335 psi	50 bar/725 psi	770.21294	770.21295
TL/B-N 50	TLS/B-N 50	BSP				770.21306	770.21307
RT/U-N 50	RTS/U-N 50	CGA				770.21395	770.21396
TL/F-N 50	TLS/F-N 50	NFE				770.21397	770.21398
TL/AS-N 50	TLS/AS-N 50	AS		23000 Kpa/3335 psi	5000/725 psi	770.21399	770.21400



Left-side inlet connection
TORNADO series TL / TLS

Right-side inlet connection
TORNADO series RL / RTS

MESSER 
Cutting Systems

- 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.
- Ergonomically designed, colour coded pressure adjusting hand knob for comfortable operation.
- Unique Central Sintered filter
- Soft valve seat to ensure leak tightness and increase life span.
- Inlet and outlet pressure gauge with dual scale.
- Fire-retardant valve seat material.
- Outlet pressure relief valve ensures operator safety.
- Internal limit lock to prevent over pressurising of regulator.
- Unique, integrated, resettable design to limit outlet pressure.
- Large internal engineering to achieve comparatively high gas flow

Edition 10/12

Subject to change without notice COM

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