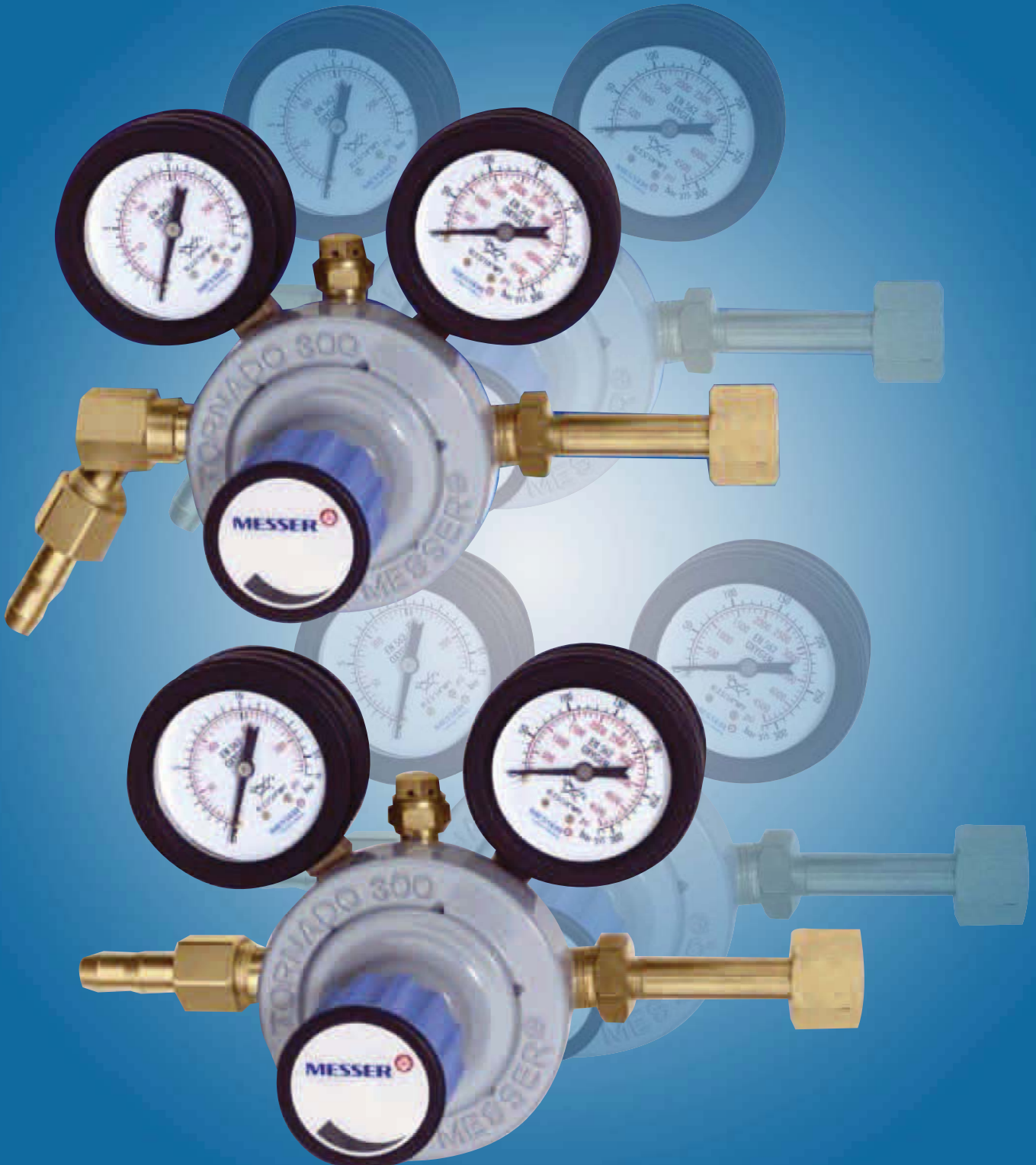


TORNADO 300

Series RH and RSH



**HIGH-FLOW REGULATORS WITH OUTLET PRESSURE
UP TO 10 BAR**

TORNADO 300 RH and RSH

HIGH-FLOW SINGLE STAGE REGULATORS WITH OUTLET PRESSURE-GAUGE

The **TORNADO 300** single stage, 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 flowrates.

TORNADO 300 regulator series RH and RSH 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 RH



TORNADO 300 RSH

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 prevent 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.	
RH/E-O	DIN	O ₂ Oxygen	200 bar 2900 psi	10 bar 145 psi	770.53038	
RSH/E-O					770.53039	
RH/B-O	BSP				770.53030	
RSH/B-O					770.53031	
RH/U-O	CGA				770.53032	
RSH/U-O					770.53033	
RH/F-O	NFE		770.53040			
RSH/F-O			770.53041			
RH/AS-O	AS		20000 KPa	1000 KPa	770.53042	
RSH/AS-O			2900 psi	145 psi	770.53043	
RH/E-A	DIN		C ₂ H ₂ Acetylene	25 bar 360 psi	1,5 bar 22 psi	770.53044
RSH/E-A						770.53045
RH/B-A	BSP	770.53046				
RSH/B-A		770.53047				
RH/U-A	CGA	1,0 bar				770.53048
RSH/U-A		14,5 psi				770.53049
RH/F-A	NFE	1,5 bar		770.53050		
RSH/F-A		22 psi		770.53051		
RH/AS-A	AS	2500 KPa		150 KPa	770.53052	
RSH/AS-A		360 psi		22 psi	770.53053	
RH/E-P	DIN	C ₃ H ₈ Propane		25 bar 360 psi	2,5 bar 36 psi	770.53054
RSH/E-P						770.53055
RH/B-P	BSP		770.53056			
RSH/B-P			770.53057			
RH/U-P	CGA		770.53034			
RSH/U-P			770.53035			
RH/F-P	NFE		2500 KPa	250 KPa	770.53058	
RSH/F-P			360 psi	36 psi	770.53059	
RH/AS-P	AS		25 bar	2,5 bar	770.53060	
RSH/AS-P			360 psi	36 psi	770.53061	

TORNADO 300 Type	Standard	Gas Type	Inlet Pressure	Working Pressure	Article No.	
RH/E-Ar	DIN	Ar Argon	200 bar 2900 psi	10 bar 145 psi	770.53062	
RSH/E-Ar					770.53063	
RH/B-Ar	BSP				770.53064	
RSH/B-Ar					770.53065	
RH/U-Ar	CGA				770.53066	
RSH/U-Ar					770.53067	
RH/F-Ar	NFE		770.53068			
RSH/F-Ar			770.53069			
RH/AS-Ar	AS		20000 KPa	1000 KPa	770.53070	
RSH/AS-Ar			2900 psi	145 psi	770.53071	
RH/E-C	DIN		CO ₂ Carbon Dioxide	100 bar 2900 psi	10 bar 145 psi	770.53072
RSH/E-C						770.53073
RH/B-C	BSP	770.53074				
RSH/B-C		770.53075				
RH/U-C	CGA	770.53076				
RSH/U-C		770.53077				
RH/F-C	NFE	770.53078				
RSH/F-C		770.53079				
RH/AS-C	AS	10000 KPa		1000 KPa	770.53080	
RSH/AS-C		2900 psi		145 psi	770.53081	
RH/E-N	DIN	N Nitrogen		200 bar 2900 psi	10 bar 145 psi	770.53082
RSH/E-N						770.53083
RH/B-N	BSP		770.53084			
RSH/B-N			770.53085			
RH/U-N	CGA		770.53086			
RSH/U-N			770.53087			
RH/F-N	NFE		770.53088			
RSH/F-N			770.53089			
RH/AS-N	AS		20000 KPa	1000 KPa	770.53090	
RSH/AS-N			2900 psi	145 psi	770.53091	



Edition 01/11

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