

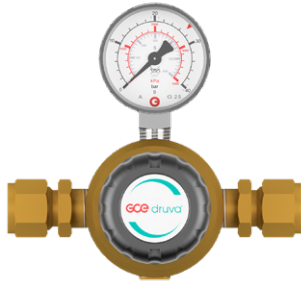
LTMH0SF | LTMHESF – DRUVA®TEC LINE REGULATOR

LINE REGULATOR | TEC LINE (BRASS) | 100 m³ SERIES | HIGH PRESSURE RANGE

SINGLE STAGE | 4-PORT VERSION



Line regulators of this type are suitable to reduce a high supply pressure through different pressure stages. They can be used in supply systems of inert, flammable and oxidising gases with a purity of max. 5.0. Their use for acetylene, corrosive or toxic gases is not possible.



SPECIAL FEATURES

- > Hastelloy diaphragm tightening system to atmosphere
- > Compact design, with pre pressure compensation
- > Excellent pressure adjustment, no increase in outlet pressure with decreasing inlet pressure
- > Relief valve in delivery pressure side available

TECHNICAL DATA	
Working temperature:	-40 °C to +60 °C
Inlet / outlet ports:	See table in technical drawing
Leakage rate seat:	max. 5 x 10 ⁻⁶ mbar l/s (Helium)
Leakage rate outside:	max. 5 x 10 ⁻⁶ mbar l/s (Helium)
Filter:	1x for inlet
Weight:	1,81 kg
Flow nominal:	100 m ³ /h (N ₂) according to ISO 7291 at 20 bar outlet pressure and 41 bar inlet pressure
Material gas wetted parts:	
Regulator body:	Brass
Regulator diaphragm:	Hastelloy
Regulator seal:	PVDF
Regulator seat:	PCTFE
Regulator balance seal:	LTMHOSJ: FKM LTMHESJ: EPDM
Regulator poppet:	Brass
Relief valve seat:	LTMHOSJ: FKM LTMHESJ: EPDM
Pressure rates line regulator:	
Max. inlet pressure	60 200 300 bar
Delivery pressure	10 20 40 100 bar
Pressure gauges rates (pressure rates):	18 (10) 40 (20) 65 (40) 160 (100) bar
Contact gauges available – please contact us	
Cracking pressure relief valves:	15 (10) 30 (20) 60 (40) 140 (100) bar

TECHNICAL DRAWING:

RIGHT INLET - (JR)

LEFT INLET - (JL)

RELIEF VALVE OUTLET NPT1/2"

Connections (Process Inlet/Outlet)

- N38F - NPT3/8" Female
- M06B - Compression Fitting ø 6 MM Brass
- M08B - Compression Fitting ø 8 MM Brass
- M10B - Compression Fitting ø 10 MM Brass
- M12B - Compression Fitting ø 12 MM Brass
- M06S - Compression Fitting ø 6 MM Stainless Steel
- M08S - Compression Fitting ø 8 MM Stainless Steel
- M10S - Compression Fitting ø 10 MM Stainless Steel
- M12S - Compression Fitting ø 12 MM Stainless Steel
- IX4B - Compression Fitting ø 1/4" Brass
- IX6B - Compression Fitting ø 3/8" Brass
- IX8B - Compression Fitting ø 1/2" Brass
- IX4S - Compression Fitting ø 1/4" Stainless Steel
- IX6S - Compression Fitting ø 3/8" Stainless Steel
- IX8S - Compression Fitting ø 1/2" Stainless Steel

Connections (Relief Valve)

- N12F - NPT1/2" Female
- M12B - Compression Fitting ø 12 MM Brass
- M15B - Compression Fitting ø 15 MM Brass
- M18B - Compression Fitting ø 18 MM Brass
- M12B - Compression Fitting ø 12 MM Brass
- M12S - Compression Fitting ø 12 MM Stainless Steel
- M15S - Compression Fitting ø 15 MM Stainless Steel
- M18S - Compression Fitting ø 18 MM Stainless Steel
- M12S - Compression Fitting ø 12 MM Stainless Steel
- IX8B - Compression Fitting ø 1/2" Brass
- IX10B - Compression Fitting ø 5/8" Brass
- IX8S - Compression Fitting ø 1/2" Stainless Steel
- IX10S - Compression Fitting ø 5/8" Stainless Steel

Availability of brass fittings depending on pressure and size. Pay attention to the maximum approved pressure of your pipework.

ORDER CODE:

Example Line Regulator | TEC Line | Brass | Mid Flow | High Pressure | Single Stage | 4-Port Version

LTMHOSF LTMHESF	R	GX	F2	00	BT	N38F (3/8" NPT female)	N38F (3/8" NPT female)	00	0001
	Porting	Inlet pressure	Outlet pressure	Inlet gauge	Outlet gauge	Inlet connection	Outlet connection	Safety device	Relief valve connection
	R Inlet right	F4 60 bar	D2 10 bar	00 Without 1/4" NPT female	00 Without 1/4" NPT female	possible connections see technical drawing	possible connections see technical drawing	00 Without 1/2" NPT female	0001 – if no safety device is choosen
	L Inlet left	FX 200 bar	EZ 20 bar		01 Without (plugged)			01 Without (plugged)	
		GX 300 bar	E1 40 bar		BT Bourdon Tube gauge			RV Relief valve	
			F2 100 bar		I2 Inductive contact gauge I2				
					R2 Reed contact gauge R2				
					I1 Inductive contact gauge I1			see technical drawing	
					R5 Reed contact gauge R5				

Order code (as described above) without special characters or spaces! Complete Order Code **LTMHOSFRGXF200BTN38FN38F000001**

