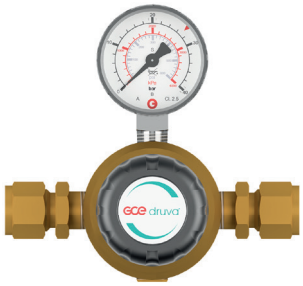
LTMH0SF | LTMHESF – DRUVA®TEC LINE REGULATOR

LINE REGULATOR | TEC LINE (BRASS) | 100 m³ SERIES | HIGH PRESSURE RANGE SINGLE STAGE | 4-PORT VERSION

PURITY 5.0 99.999%

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

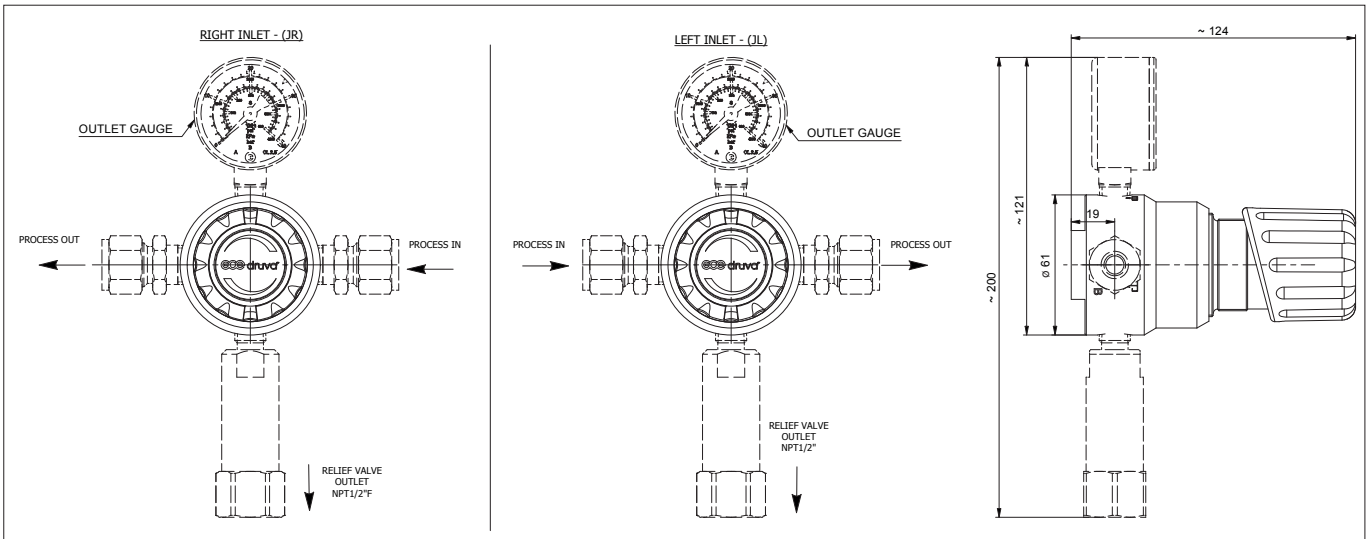
- Hastelloy diaphragm tighting system to atmosphere
- Compact design, with pre pressure compensation
- Excellent pressure adjustment, no increase in outlet pressure with decreasing inlet pressure
- Relief valve in delivery pressure side available

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 m³/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:	**LTMH0SJ**: FKM **LTMHESJ**: EPDM
Regulator poppet:	Brass
Relief valve seat:	**LTMH0SJ**: FKM **LTMHESJ**: EPDM
Pressure rates line regulator:	
Max. inlet pressure	60 I 200 I 300 bar
Delivery pressure	10 I 20 I 40 I 100 bar
Pressure gauges rates (pressure rates):	18 (10) I 40 (20) I 65 (40) I 160 (100) bar
Contact gauges available – please contact us	
Cracking pressure relief valves:	15 (10) I 30 (20) I 60 (40) I 140 (100) bar
For detailed information on tests and approvals during development and production of our TEC/PUR series see **DATA-SpecGeneral-EN.**	
For flow curves see **DATA-FlowCurves-EN.**	

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WWW.GASCONTROLEQUIPMENT.CO.UK - Tel: 01455 360180 - Email: SALES@CK-GCE.CO.UK

TECHNICAL DRAWING:



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

LTMH0SF 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**	**Oulet 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			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	possible connection if safety device RV is choosen
			F2 100 bar		I2 Inductive contact gauge I2	possible connections	possible connections		
					R2 Reed contact gauge R2				
					I1 Inductive contact gauge I1	see technical drawing	see technical drawing		see technical drawing
					R5 Reed contact gauge R5				

Order code (as described above) without special characters or spaces! Complete Order Code LTMH0SFRGXF200BTN38FN38F000001

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Link to online product configurator