

# LTMH0SJ | LTMHESJ – DRUVA®TEC LINE REGULATOR

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

### SINGLE STAGE | 6-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.

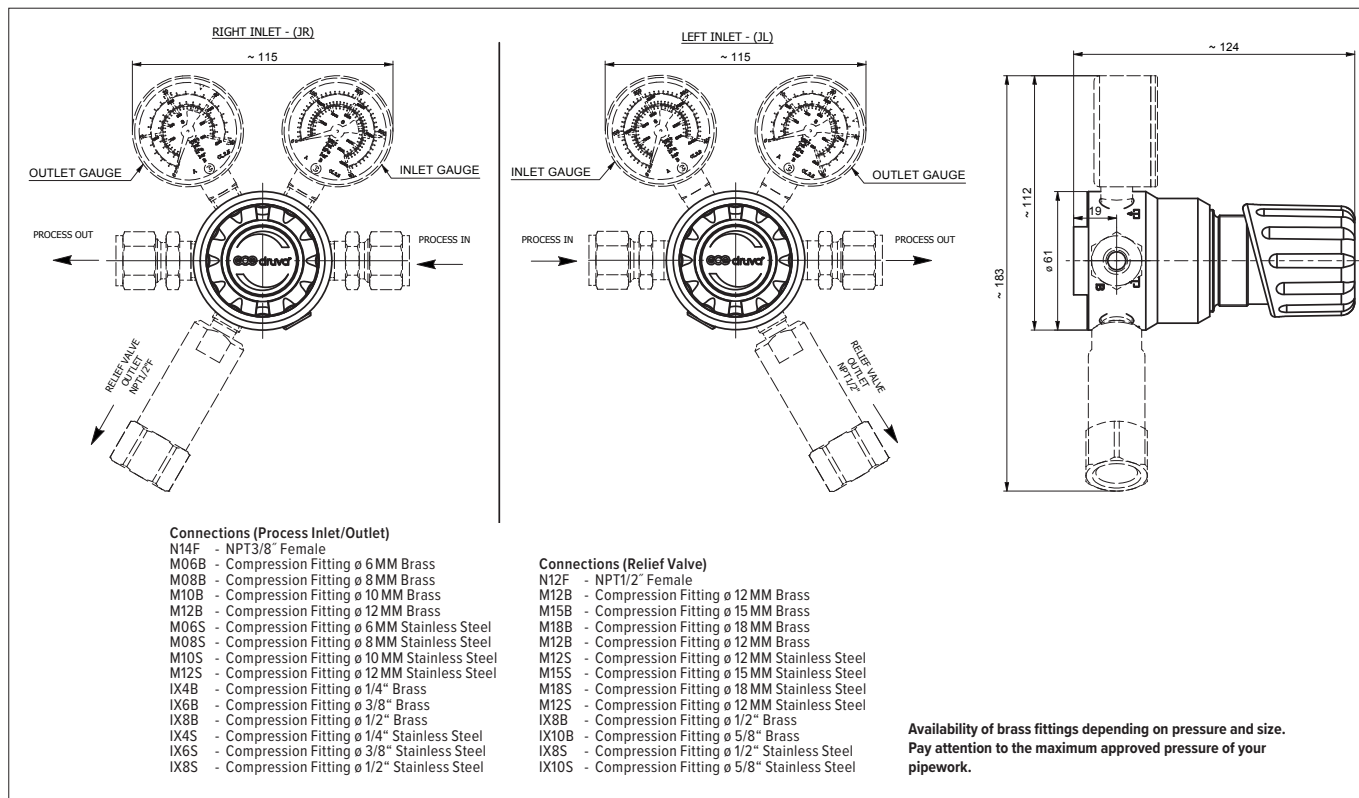


### SPECIAL FEATURES

- > 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	
<b>Working temperature:</b>	-40 °C to +60 °C
<b>Inlet / outlet ports:</b>	See technical drawing
<b>Leakage rate seat:</b>	max. 5 x 10 <sup>-6</sup> mbar l/s (Helium)
<b>Leakage rate outside:</b>	max. 5 x 10 <sup>-6</sup> mbar l/s (Helium)
<b>Filter:</b>	1x for inlet 1x for each outlet
<b>Weight:</b>	1,9 kg
<b>Flow nominal:</b>	100 m³/h (N₂) according to ISO 7291 at 20 bar outlet pressure and 41 bar inlet pressure
<b>Material gas wetted parts:</b>	
<b>Regulator body:</b>	Brass
<b>Regulator diaphragm:</b>	Hastelloy
<b>Regulator seal:</b>	PVDF
<b>Regulator seat:</b>	PCTFE
<b>Regulator balance seal:</b>	<b>LTMH0SJ:</b> FKM <b>LTMHESJ:</b> EPDM
<b>Regulator poppet:</b>	Brass
<b>Relief valve seat:</b>	<b>LTMH0SJ:</b> FKM <b>LTMHESJ:</b> EPDM
<b>Pressure rates line regulator:</b>	
<b>Max. inlet pressure</b>	60   200   300 bar
<b>Delivery pressure</b>	10   20   40   100 bar
<b>Pressure gauges rates (pressure rates):</b>	18 (10)   40 (20)   65 (40)   80 (60)   160 (100)   315 (200) 400 (300) bar
<b>Contact gauges available – please contact us</b>	
<b>Cracking pressure relief valves:</b>	15 (10)   30 (20)   60 (40)   140 (100) bar
For detailed information on tests and approvals during development and production of our TEC/PUR series see <b>DATA-SpecGeneral-EN.</b>	
For flow curves see <b>DATA-FlowCurves-EN.</b>	

## TECHNICAL DRAWING:



## ORDER CODE:

Example Line Regulator | TEC Line | Brass | Mid Flow | High Pressure | Single Stage | 6-Port Version

LTMH0SJ LTMHESJ	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	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)			01 Without (plugged)	
		GX 300 bar	E1 40 bar	BT Bourdon Tube gauge	BT Bourdon Tube gauge			RV Relief valve	
			F2 100 bar	I1 Inductive contact gauge I1	I2 Inductive contact gauge I2				possible connection if safety device RV is choosen
				R5 Reed contact gauge R5	R2 Reed contact gauge R2				
					I1 Inductive contact gauge I1				
					R5 Reed contact gauge R5				

Order code (as described above) without special characters or spaces! Complete Order Code **LTMHOSJRGXF200BTN38FN38F000001**