

**LSLAVSF | LSLAESF – DRUVA® PUR LINE REGULATOR**

LINE REGULATOR | PURE LINE (STAINLESS STEEL) | 20 m³ SERIES | ABSOLUTE PRESSURE RANGE  
SINGLE STAGE | 4-PORT VERSION



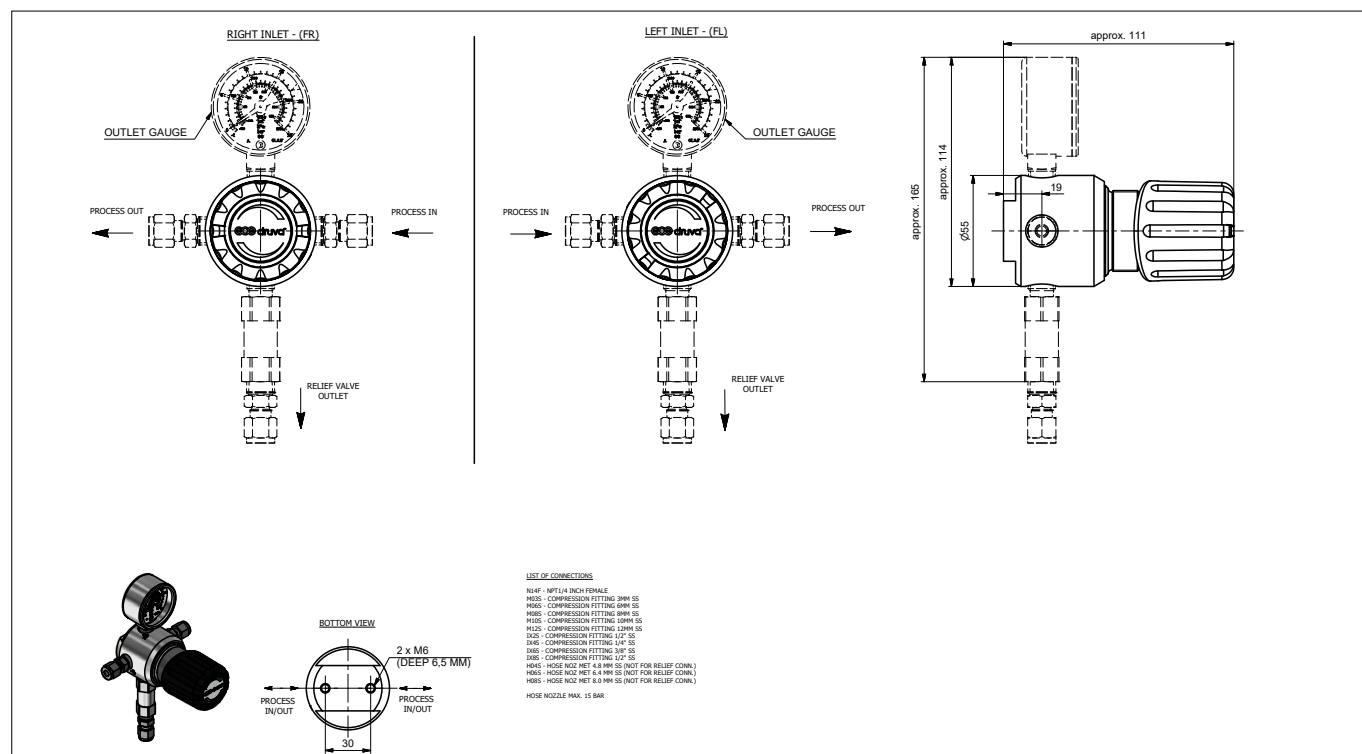
This single-stage line pressure regulator is used in gas supply systems for pure, inert, flammable, oxidising, corrosive and / or toxic gases and their mixtures up to gas purity 6.0.

**SPECIAL FEATURES:**

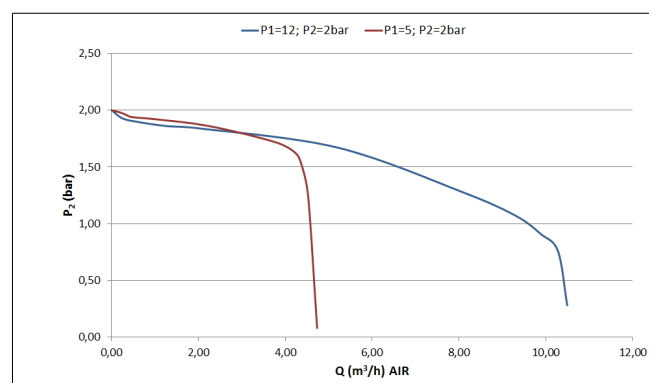
- > Hastelloy diaphragm tightening system to atmosphere
- > Compact design
- > Excellent pressure adjustment
- > Designed and approved regarding ISO 7291
- > Relief valve in delivery pressure side available
- > Electrostatic chargeability test
  - Fulfills requirements according to ISO 80079-36; IEC TS 60079-32-1 and German TRGS 727
  - Usable in EX- areas zones 1 and 2 for gases with explosion risk group I; IIA; IIB; IIC

TECHNICAL DATA	
<b>Working temperature:</b>	-20 °C to +60 °C
<b>Inlet / outlet ports:</b>	See technical drawing
<b>Leakage rate seat:</b>	<5x10 <sup>-6</sup> mbar l/s (Helium)
<b>Leakage rate outside:</b>	<1x10 <sup>-9</sup> mbar l/s (Helium)
<b>Filter:</b>	1x for inlet 1x for each outlet
<b>Weight:</b>	1,22 kg
<b>Flow nominal:</b>	3 m³/h
<b>Material gas wetted parts</b>	
<b>Regulator body:</b>	Stainless Steel
<b>Regulator diaphragm:</b>	Hastelloy
<b>Regulator seat:</b>	
LSLAVSF-Version	FKM
LSLAESF-Version	EPDM
<b>Relief valve seat:</b>	
LSLAVSF-Version	FKM
LSLAESF-Version	EPDM
<b>Regulator poppet:</b>	Stainless Steel
<b>Pressure rates line regulator:</b>	
<b>Max. inlet pressure</b>	12 bar
<b>Delivery pressure</b>	2 bar abs / 3 bar abs
<b>Pressure gauges rates (pressure rates):</b>	-1 bar till 1,5 bar (2 bar abs) / -1 till 5 bar (3 bar abs)
<b>Contact gauges available – please contact us</b>	
<b>Cracking pressure relief valves:</b>	1,5 bar (2 bar abs) / 3,1 bar (3 bar abs)
<b>Test in production:</b>	Pressure test with Helium of each item
	Seat leakage test with Helium of each item
	Helium leak test of each regulator against atmosphere
	Test of functionality of each item
<b>Approvals during development:</b>	Type test in accordance with ISO 7291
	Additional life cycle test
	Electrostatic chargeability test
	<ul style="list-style-type: none"> <li>• Fulfill requirements according ISO 80079-36; IEC TS 60079-32-1 and German TRGS 727</li> <li>• Usable in EX-areas zones 1 and 2 for gases with explosion risk group I; IIA; IIB; IIC</li> </ul>

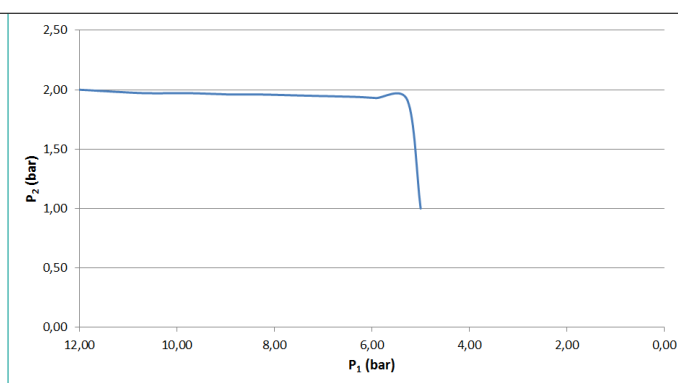
### TECHNICAL DRAWING:



## FLOW CURVES:



### DYNAMIC EXPANSION CURVES:



## ORDER CODE:

Example Line Regulator | PUR Linie | Stainless Steel | Low Flow | Absolute Pressure | Single Stage | 4-Port Version

LSLAVSF LSLAESF	R	D1	AX	00	BT	N14F (1/4" NPT female)	N14F (1/4" 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	D1 12 bar	AX 2 bar (abs.)	00 Without 1/4" NPT female	00 Without 1/4" NPT female	possible connections  see technical drawing	possible connections  see technical drawing	00 Without 1/4" NPT female	0001 – if no safety device is chosen possible connection if safety device RV is chosen see technical drawing
	L Inlet left		BX 3 bar (abs.)		01 Without (plugged)			01 Without (plugged)	
					BT Bourdon Tube gauge			RV Relief valve	

Order code (as described above) without special characters or spaces! Complete Order Code **LSLAVSFRD1AX00BTN14FN14F000001**



Link to online product configurator