

# LSLHOS-DRUVA PUR LINE REGULATOR

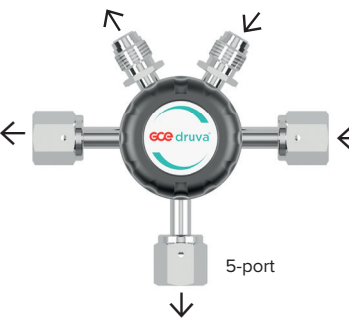
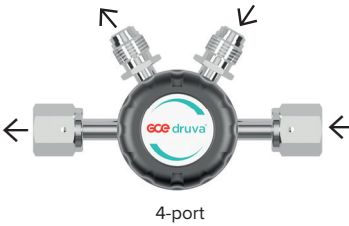
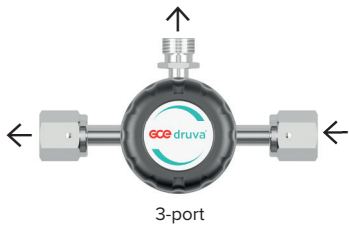
LINE REGULATOR | PURE LINE (STAINLESS STEEL) | 20 m<sup>3</sup> SERIES | HIGH PRESSURE RANGE  
SINGLE STAGE | INLET/OUTLET VCR



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.

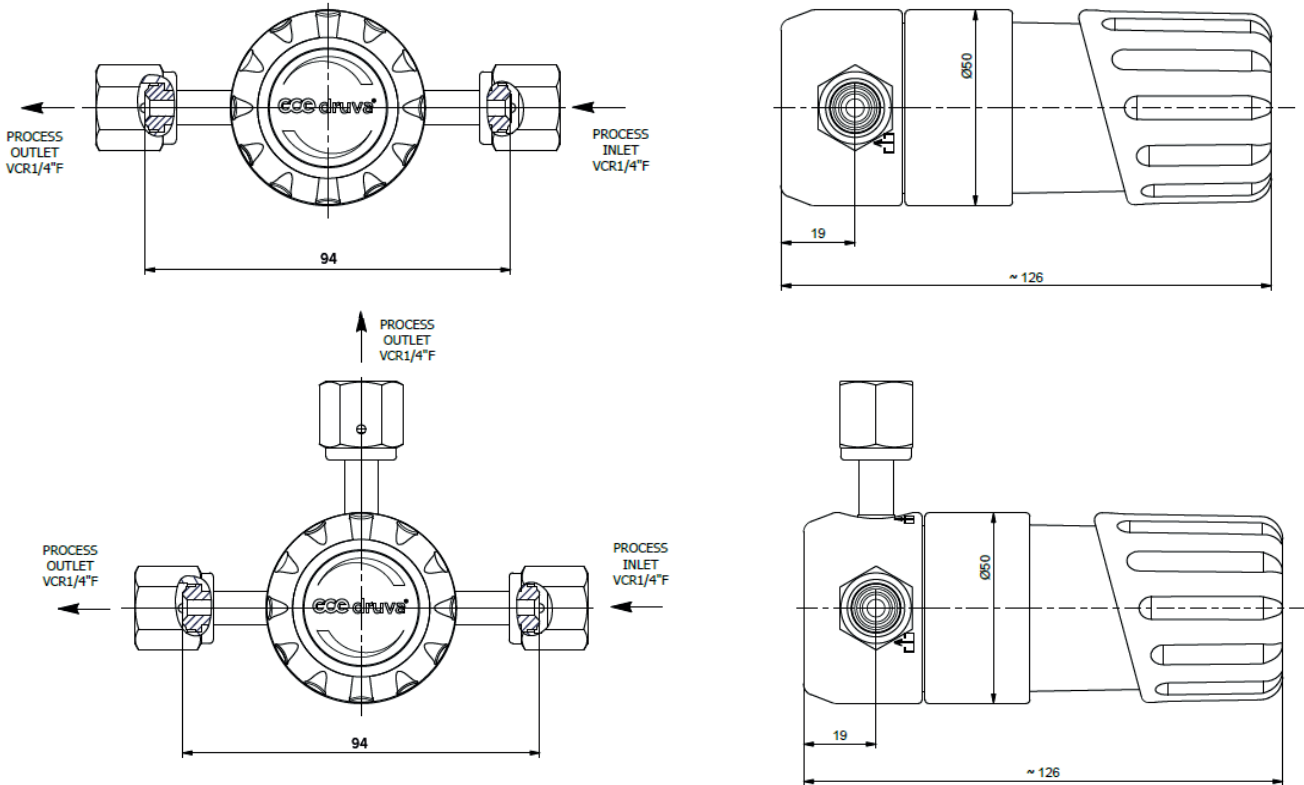
### SPECIAL FEATURES

- > Hastelloy diaphragm tightening system to atmosphere
- > Control Element : Encapsulated valve
- > Compact design
- > Excellent pressure adjustment
- > Electrostatic chargeability test
- > Designed and approved regarding ISO 7291 (including O<sub>2</sub> ignition test)
- > Cleaning, assembly and vacuum packaging in clean room type ISO 7 according ISO 14 644-1

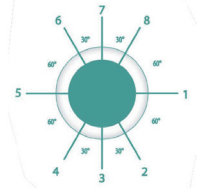


TECHNICAL DATA	
<b>Working temperature:</b>	-20 °C to +60 °C
<b>Inlet / outlet ports:</b>	See technical drawing and order code
<b>Leakage rate seat:</b>	≤ 5x10 <sup>-6</sup> mbar l/s (Helium)
<b>Leakage rate outside:</b>	≤ 1x10 <sup>-9</sup> mbar l/s (Helium)
<b>Inlet filter:</b>	10 µm SST mesh filter
<b>Weight:</b>	2,2 kg
<b>CV value:</b>	0,09
<b>Material gas wetted parts:</b>	
<b>Regulator body:</b>	Stainless Steel (1.4404)
<b>Regulator diaphragm:</b>	Hastelloy C-276 (2.4819.10)
<b>Spring:</b>	Hastelloy (C9)
<b>Regulator seat:</b>	PCTFE (P in > 50 bar) PTFE (P in ≤ 50 bar)
<b>Regulator poppet:</b>	Stainless Steel (1.4404)
<b>Material Bonnet:</b>	SS 304 (1.4301)
<b>Surface finish:</b>	Ra 0,8 µm
<b>Pressure rates line regulator:</b>	
<b>Max. inlet pressure</b>	3,000 psig (207 Bar) 750 psig (51 bar)
<b>Delivery pressure</b>	4,4- 44 psig (0,3- 3 bar) 7,3- 87 psig (0,5- 6 bar) 15- 150 psig (1,0- 10 bar) 20- 200 psig (1,5- 14 bar) 44- 400 psig (3,0- 28 bar) 75- 725 psig (5,0- 50 bar)
<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 - Fulfill requirements according 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
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



Other Technical drawings on request.



ORDER CODE

Example Line Regulator | PUR Linie | Stainless Steel | Low Flow | High Pressure | Single Stage

LSLHOS	AR	FX	DX	V4F	000	V4F	000	000	000
Porting	Inlet pressure	Outlet pressure	Port 1	Port 3	Port 5	Port 6	Port 7	Port 8	
AR [2 Port] (1 Inl 5 Out)	FX 3,000 psig (207 Bar)	BX 0.3 - 3 bar (4,4-44 psig)	V4F VCR 1/4" female	000 Without	V4F VCR 1/4" female	000 Without	000 Without	000 Without	
BR [3 Port] (1 Inl 3 Outl 5 Out)	EX 750 psig (51 bar)	CX 0.5 - 6 bar (7,3-87 psig)	V4M VCR 1/4" male	V4F VCR 1/4" female	V4M VCR 1/4" male	V4F VCR 1/4" female	V4F VCR 1/4" female	V4F VCR 1/4" female	
BL [3 Port] (1 Outl 3 Outl 5 In)		D2 1.0 - 10 bar (15-150 psig)							
KR [4 Port] (1 Inl 5 Outl 6 Outl 8 In)		DX 1.5 - 14 bar (20-200 psig)							
KL [4 Port] (1 Outl 5 Inl 6 Inl 8 Out)		EY 3.0 - 28 bar (44-400 psig)							
QR [5 Port] (1 Inl 3 Outl 5 Out 1 6 Outl 8 In)		EX 5.0 - 50 bar (75-725 psig)							
QL [5 Port] (1 Outl 3 Outl 5 Inl 6 Inl 8 Out)									

Order code (as described above) without special characters or spaces! Complete Order Code **LSLH0SARFXDXV4F000V4F000000000**



Link to online product configurator