LPLLVSF | LPLLESF - DRUVA®PUR LINE REGULATOR

LINE REGULATOR | PURE LINE (BRASS CHROME PLATED) | 20m³ SERIES | LOW PRESSURE RANGE SINGLE STAGE | 4-PORT VERSION



This single-stage line pressure regulator is used in gas supply systems for pure, inert, flammable, oxidising gases and gas mixtures up to gas purity 6.0. It is not usable for corrosive and / or toxic gases and their mixtures.

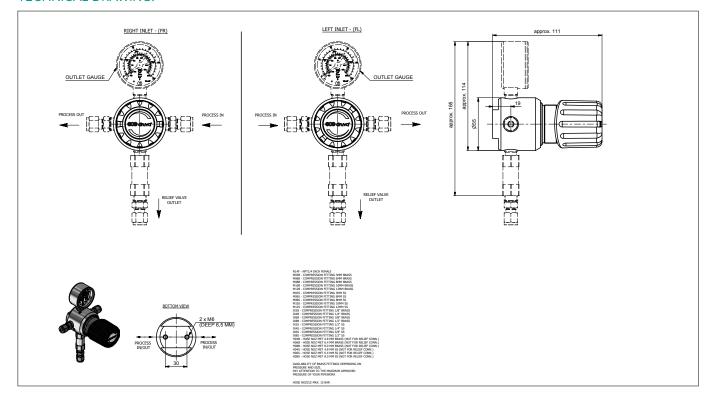


SPECIAL FEATURES:

- > Hastelloy diaphragm tighting 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

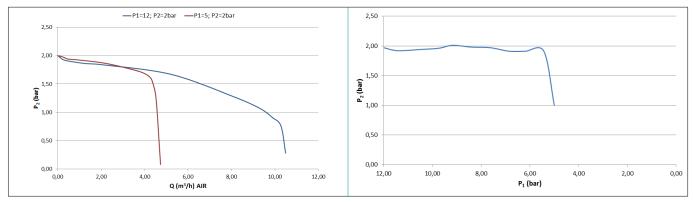
TECHNICAL DATA				
Working temperature:	-20 °C to +60 °C			
Inlet / outlet ports:	See technical drawing			
Leakage rate seat:	<5x10 ⁻⁶ mbar l/s (Helium)			
Leakage rate outside:	<1x10 ⁻⁹ mbar l/s (Helium)			
Filter:	1x for inlet 1x for each outlet			
Weight:	1,3 kg			
Flow nominal:	3 m³/h			
Material gas wettet parts:				
Regulator body:	Brass			
Regulator diaphragm:	Hastelloy			
Regulator seat: LPLLVSF-Version LPLLESF-Version	FKM EPDM			
Relief valve seat: LPLLVSF-Version LPLLESF-Version	FKM EPDM			
Regulator poppet:	Brass			
Pressure rates line regulator:				
Max. inlet pressure	12 bar			
Delivery pressure	1/2 bar			
Pressure gauges rates (pressure rates):	-1 bar till 1,5 bar (1 bar) / -1 till 5 bar (2 bar)			
Contact gauges available – please conta	act us			
Cracking pressure relief valves:	1,54 bar (1 bar)/ 3,08 bar (2 bar)			
	Pressure test with Helium of each item			
Test in production:	Seat leakage test with Helium of each item			
lest in production:	Helium leak test of each regulator against atmosphere			
	Test of functionality of each item			
	Type test in accordance with ISO 7291			
	Additional life cycle test			
Approvals during development:	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			

TECHNICAL DRAWING:



FLOW CURVES:

DYNAMIC EXPANSION CURVES:



ORDER CODE:

Example Line Regulator | PUR Linie | Brass Chrome Plated | Low Flow | Low Pressure | Single Stage | 4-Port Version

LPLLVSF LPLLESF	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	Oulet connection	Safety device	Relief valve connection	
	R Inlet right	D1 12 bar	AY 1bar	00 Without 1/4" NPT female	00 Without 1/4" NPT female	see technical see technical		00 Without 1/4" NPT female	0001 – if no safety device is choosen	
	L Inlet left		AX 2 bar		01 Without (plugged)		possible	01 Without (plugged)		
					BT Bourdon Tube gauge				RV Relief valve	possible connection if safety
							ee technical drawing drawing		device RV is choosen see technical drawing	

Order code (as described above) without special characters or spaces! Complete Order Code LPLLVSFRD1AX00BTN14FN14F000001