

LPLHODJ | LPLHEDJ – DRUVA® PUR LINE REGULATOR

LINE REGULATOR | PURE LINE (BRASS CHROME PLATED) | 20 m³ SERIES | HIGH PRESSURE RANGE

DUAL STAGE | 6-PORT VERSION



This dual-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.



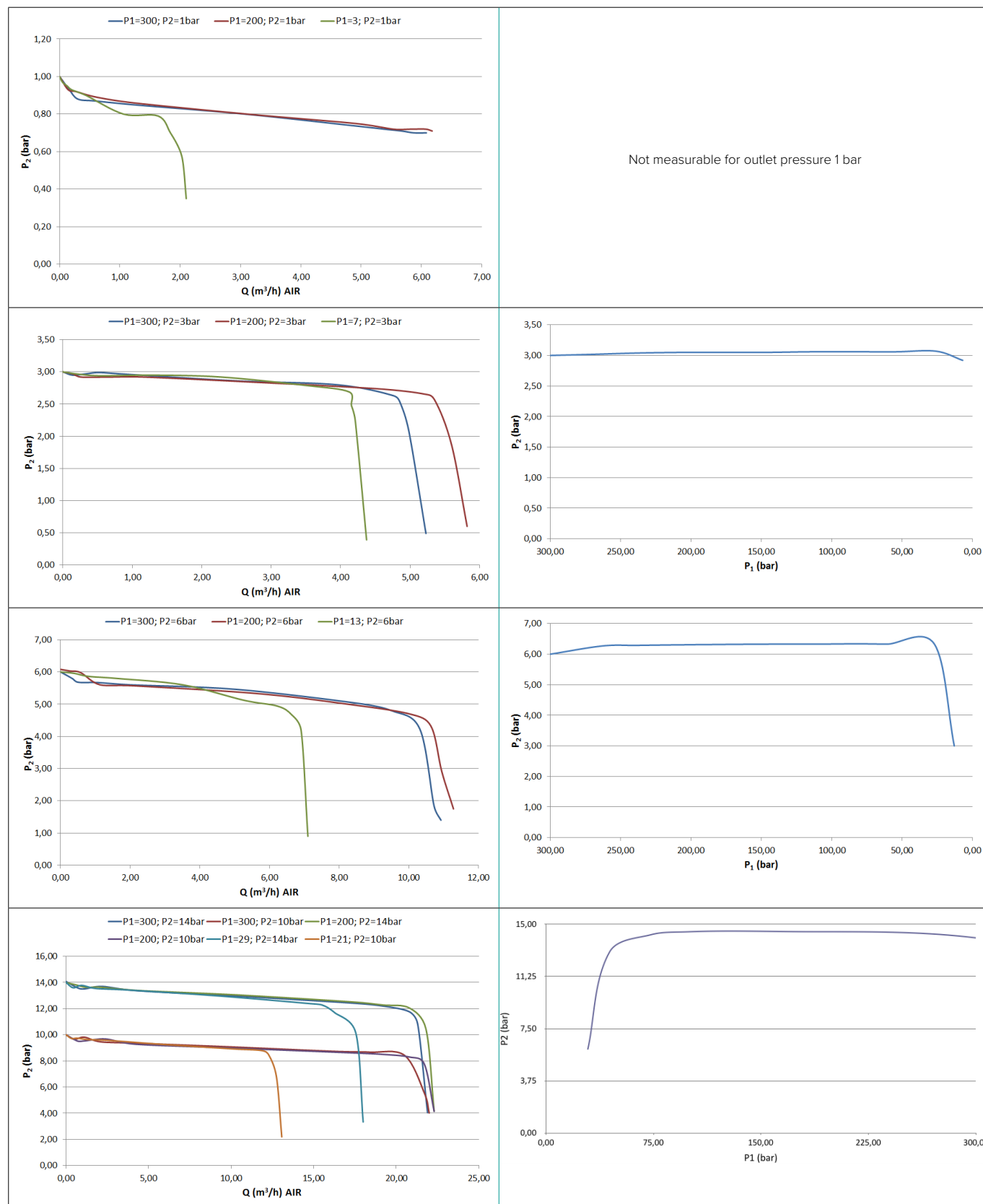
SPECIAL FEATURES:

- > Hastelloy diaphragm 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

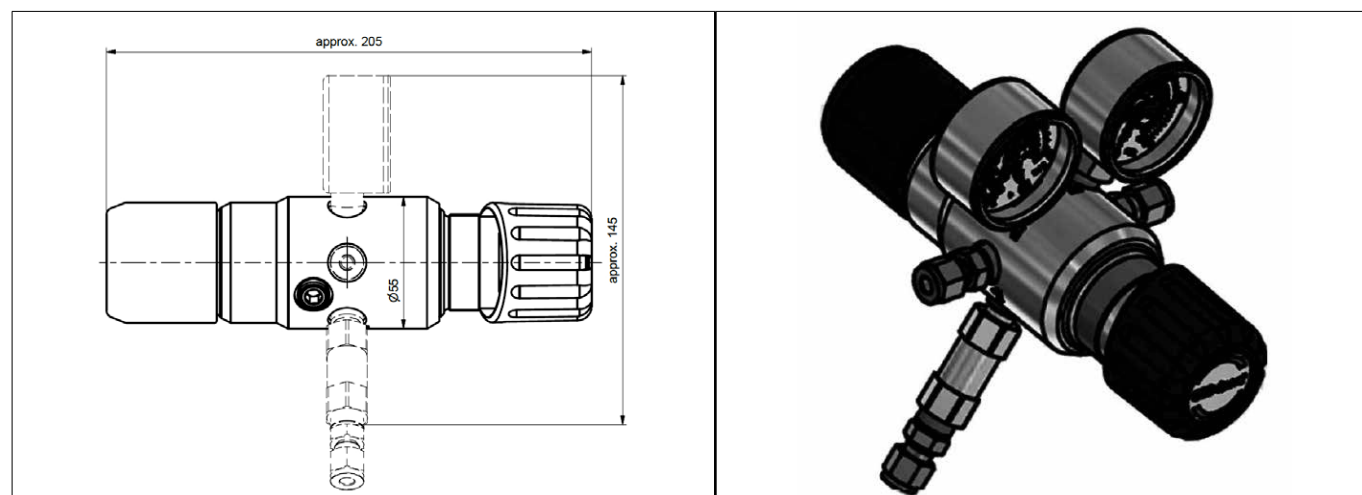
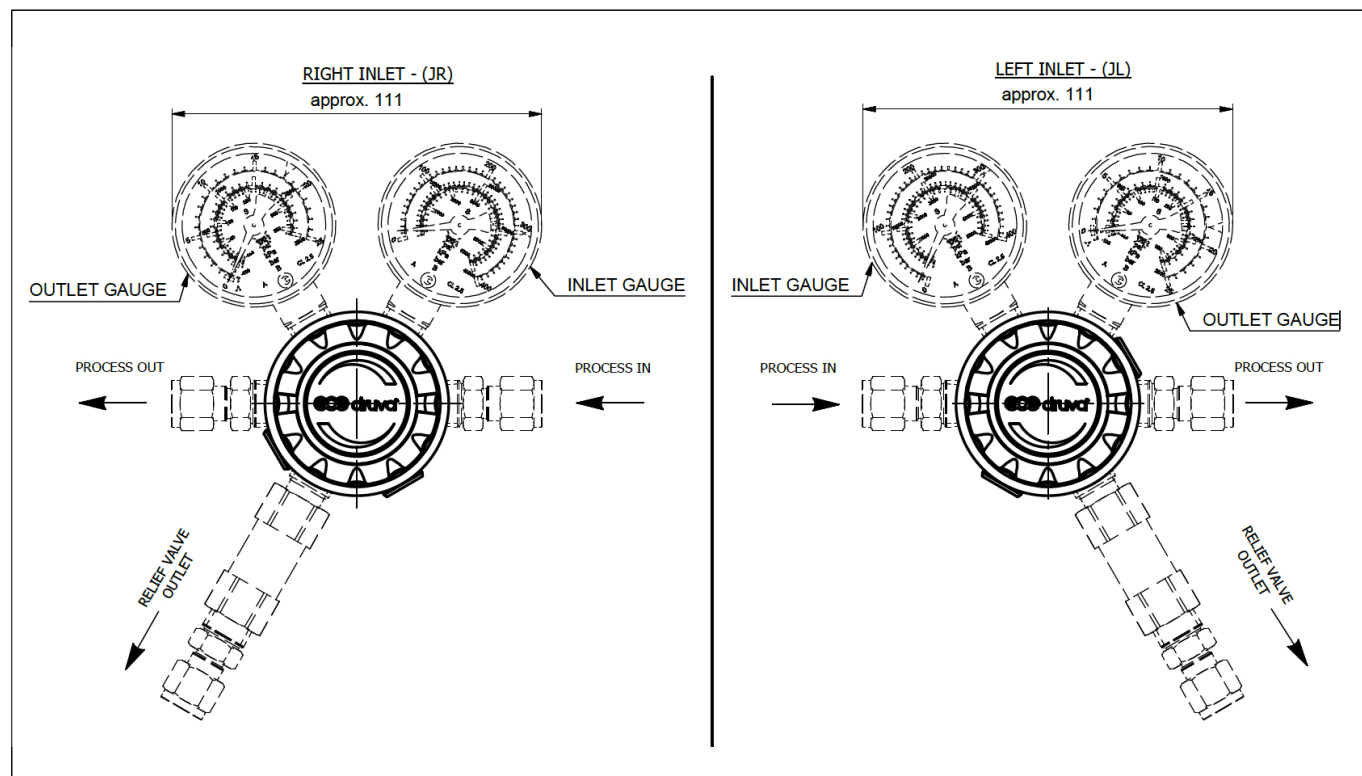
TECHNICAL DATA	
Working temperature:	-20 °C to +60 °C
Inlet / outlet ports:	See technical drawing
Leakage rate seat:	<5x10 ⁻⁶ mbar l/s (Helium)
Leakage rate outside:	<1x10 ⁻⁹ mbar l/s (Helium)
Filter:	1x for inlet 1x for each outlet
Weight:	2,31 kg
Flow nominal:	20 m³/h (N₂) according to ISO 7291 at 20 bar outlet & 41 bar inlet pressure
Material gas wetted parts	
Regulator body:	Brass chrome plated
Regulator diaphragm:	Hastelloy
Regulator seat:	PCTFE (1 st stage) PTFE (2 nd stage)
Relief valve seat:	LPLHODJ-Version: FKM LPLHEDJ-Version: EPDM
Regulator poppet:	Brass
Pressure rates line regulator	
Max. inlet pressure:	300 bar
Delivery pressure:	2/ 3/ 6/ 10/ 14 bar
Pressure gauges rates (pressure rates):	2,5 (2)/ 5 (3)/ 10 (6)/ 25 (10, 14) bar
Contact gauges available – please contact us	
Cracking pressure relief valves:	3,1 (2)/ 4,6 (3)/ 9,2 (6)/ 15,4 (10)/ 21,6 (14)/ 15,4 (10)/ 21,6 (14) bar
Test in production:	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
Approvals during development:	Type test in accordance with ISO 7291
	Additional life cycle test
	Electrostatic chargeability test <ul style="list-style-type: none"> • 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

FLOW CURVES:

DYNAMIC EXPANSION CURVES:



TECHNICAL DRAWING:



Possible Connections

N14F - NPT1/4" FEMALE
M03B - Compression fitting ϕ 3 MM Brass
M06B - Compression fitting ϕ 6 MM Brass
M08B - Compression fitting ϕ 8 MM Brass
M10B - Compression fitting ϕ 10 MM Brass
M12B - Compression fitting ϕ 12 MM Brass
M03S - Compression fitting ϕ 3 MM SS
M06S - Compression fitting ϕ 6 MM SS
M08S - Compression fitting ϕ 8 MM SS
M10S - Compression fitting ϕ 10 MM SS
M12S - Compression fitting ϕ 12 MM SS
IX2B - Compression fitting ϕ 1/8" Brass
IX4B - Compression fitting ϕ 1/4" Brass
IX6B - Compression fitting ϕ 3/8" Brass
IX8B - Compression fitting ϕ 1/2" Brass

IX2S - Compression fitting ϕ 1/8" SS
IX4S - Compression fitting ϕ 1/4" SS
IX6S - Compression fitting ϕ 3/8" SS
IX8S - Compression fitting ϕ 1/2" SS
H04B - Hose Nozzle 4,8 mm Brass (not for Relief connection)
H06B - Hose Nozzle 6,4 mm Brass (not for Relief connection)
H08B - Hose Nozzle 8,0 mm Brass (not for Relief connection)
H04S - Hose Nozzle 4,8 mm SS (not for Relief connection)
H06S - Hose Nozzle 6,4 mm SS (not for Relief connection)
H08S - Hose Nozzle 8,0 mm SS (not for Relief connection)

Availability of Brass fittings depending on pressure & size.

Pay attention to the maximum approved pressure of your pipework.

Hose nozzles max. 15 bar

ORDER CODE:

Example Line Regulator | PUR Linie | Brass Chrome Plated | Low Flow | High Pressure | Dual Stage | 6-Port Version

LPLH0DJ LPLHEDJ	R	GX	DX	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	EX 50 bar	AX 2 bar	00 Without 1/4" NPT female	00 Without 1/4" NPT female			00 Without 1/4" NPT female	0001 – if no safety device is choosen
	L Inlet left	F4 60 bar	BX 3 bar	01 Without (plugged)	01 Without (plugged)			01 Without (plugged)	
		FX 200 bar	CX 6 bar	BT Bourdon Tube gauge	BT Bourdon Tube gauge	possible connections	possible connections	RV Relief valve	possible connection if safety device RV is choosen
		GX 300 bar	D2 10 bar	I1 Inductiv contact gauge I1	I2 Inductiv contact gauge I2	see technical drawing	see technical drawing		
			DX 14 bar	R5 Reed contact gauge R5	R2 Reed contact gauge R2				
					I1 Inductiv contact gauge I1				see technical drawing

Order code (as described above) without special characters or spaces! Complete Order Code [LPLH0DJRGXD00BTN14FN14F000001](#)