CSLLVSJ | CSLLESJ – DRUVA® PUR CYLINDER REGULATOR CYLINDER REGULATOR | PURE LINE (STAINLESS STEEL) | 20 m³ SERIES | LOW PRESSURE RANGE SINGLE STAGE | 6-PORT VERSION

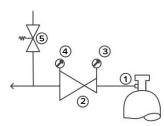
This single-stage cylinder pressure regulator is used in gas supply systems for pure, inert, flammable, oxidising, corrosive and / or toxic gases and their mixtures up to gas purity 6.0.

Option-00:









- 1 Cylinder connection
- 2 Pressure regulator
- 3 Inlet pressure gauge
- 4 Outlet pressure gauge
- 5 Relief valve

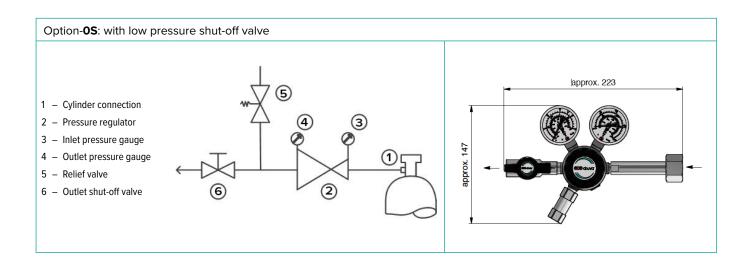
Dimension for standard version see technical drawing

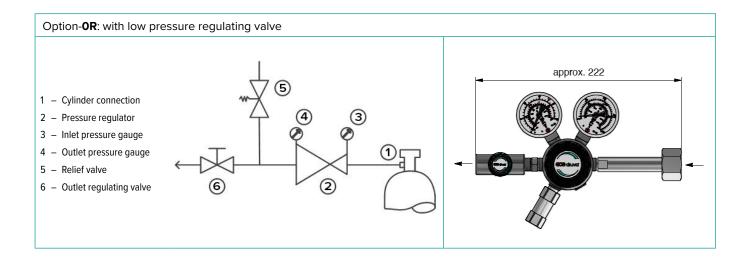
SPECIAL FEATURES:

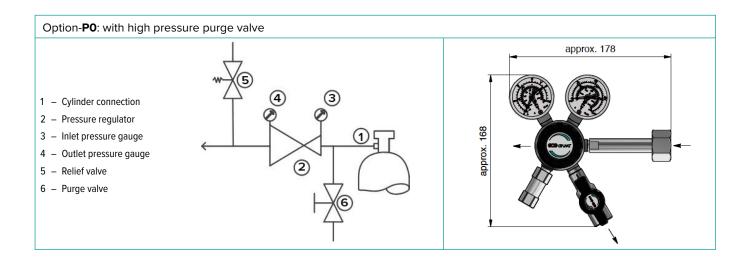
- > Hastelloy diaphragm tighting system to atmosphere
- > Available with several options (shut-off valve, regulating valve, purge valve, etc.), see drawing
- > Available with several international cylinder connections, see drawing
- > Compact design
- > Excellent pressure adjustment
- > Designed and approved regarding ISO 7291
- > Relief valve in delivery pressure side available
- > Electrostatic chargeability test
 - Fulfills requirements according to ISO 80070-36; 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 port:	Cylinder connection according to national / international directives				
Leakage rate seat:	<5x10 ⁶ mbar I/s (Helium)				
Leakage rate outside:	<1x10 ^{.9} mbar l/s (Helium)				
Filter:	1x for each outlet				
Weight:	4,04 kg				
Flow nominal:	3 m³/h (N₂)				
Material gas wettet parts					
Regulator body:	Stainless Steel				
Regulator diaphragm:	Hastelloy				
Regulator seat:					
CSLAVSJ-Version	FKM				
CSLAESJ-Version	EPDM				
Relief valve seat: CSLAVSJ-Version	FKM				
CSLAESJ-Version	EPDM				
Regulator poppet:	Stainless Steel				
Pressure rates cylinder 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 contact us					
Cracking pressure relief valves:	1,54 bar (1 bar)/ 3,08 bar (2 bar)				
	Pressure test with Helium of each item				
	Seat leakage test with Helium of each item				
Test 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 Fulfills requirements according to ISO 80070-36; 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 				

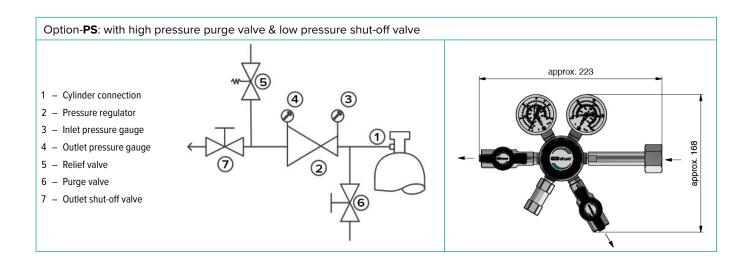
OPTIONS OF CYLINDER PRESSURE REGULATOR CSLLVSJ | CSLLESJ:

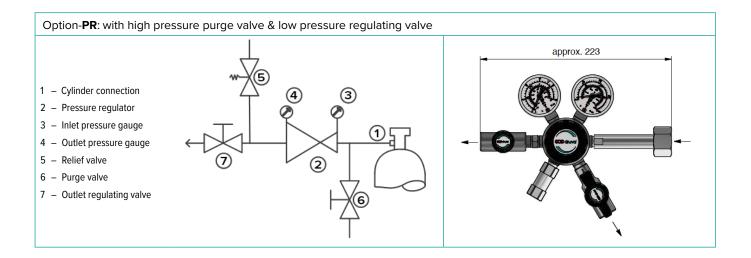


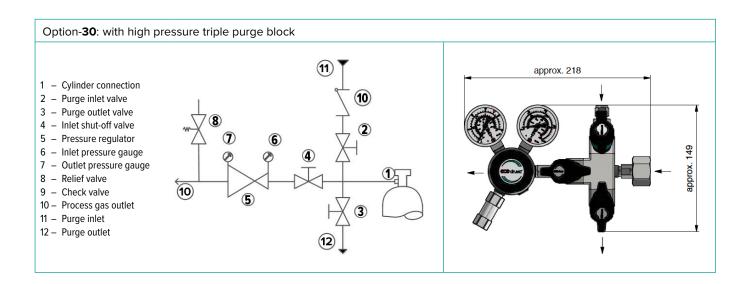




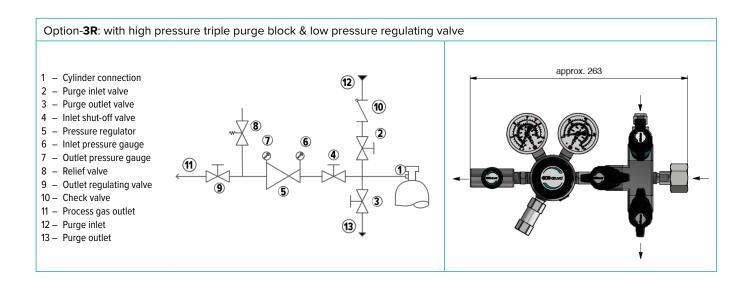
OPTIONS OF CYLINDER PRESSURE REGULATOR CSLLVSJ | CSLLESJ:

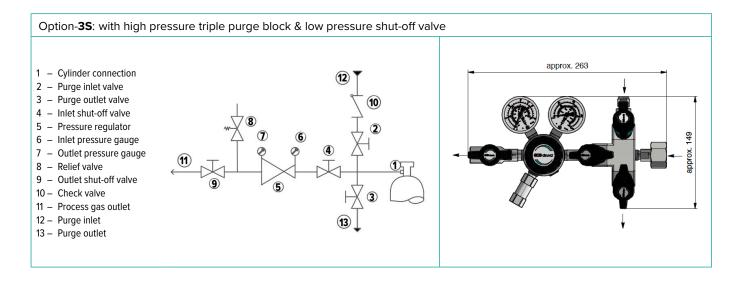




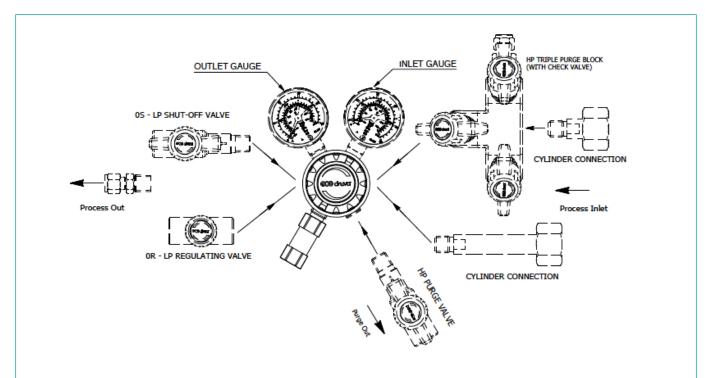


OPTIONS OF CYLINDER PRESSURE REGULATOR CSLLVSJ | CSLLESJ:

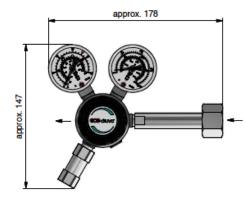


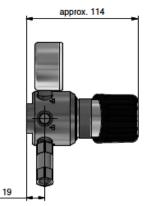


TECHNICAL DRAWING:



STANDARD VERSION





DI054H - DIN477 No 54 Hand

DI054W - DIN477 No 54 Wrench

DI057W - DIN477 No 57 Wrench

DI059W - DIN477 No 59 Wrench

NELU1W - NEN LU1 Wrench

NELU4W - NEN LU4 Wrench

NERI2W - NEN RI2 Wrench

NERU1W - NEN RU1 Wrench

NERU3W - NEN RU3 Wrench

other connections on request

NF00CW - AFNOR Type C Wrench

NF00FW - AFNOR Type F Wrench

List of possible cylinder connections

 NPT1/4["] female
- BSI341-3 Wrench
- BSI341-4 Wrench
- BSI341-8 Wrench
- BSI341-10 Wrench
- BSI341-14 Wrench
- CGA No 170 Wrench
- CGA No 330 Wrench
- CGA No 580 Wrench
- CGA No 590 Wrench
- DIN477 No 1 Hand
- DIN477 No 1 Wrench

List of possible connections

N14F - NPT1/4" female

- M03S $\,$ $\,$ Compression fitting ø 3 MM Stainless Steel $\,$
- M06S Compression fitting ø 6 MM Stainless Steel
- M08S Compression fitting ø 8 MM Stainless Steel
- M10S Compression fitting ø 10 MM Stainless Steel
- M12S Compression fitting ø 12 MM Stainless Steel
- DI014H
 DIN477 No 14 Hand
 NF00

 DI014W
 DIN477 No 14 Wrench
 other

 IX2S
 Compression fitting ø 1/8" Stainless Steel
 IX4S

 IX4S
 Compression fitting ø 1/4" Stainless Steel
 IX6S

 IX6S
 Compression fitting ø 3/8" Stainless Steel
 - IX8S
 Compression fitting Ø 3/8
 Stainless Steel

 IX8S
 Compression fitting Ø 1/2"
 Stainless Steel
 - H04S Hose nozzle 4,8 mm Stainless Steel
 - H06S Hose nozzle 6,4 mm Stainless Steel
 - H08S Hose nozzle 8,0 mm Stainless Steel
 - Hose nozzle max. 15 bar.

DI005W - DIN477 No 5 Wrench

DI006W - DIN477 No 6 Wrench

DI007W - DIN477 No 7 Wrench

DI008W - DIN477 No 8 Wrench

DI009W - DIN477 No 9 Wrench

DI010H - DIN477 No 10 Hand

DI011W

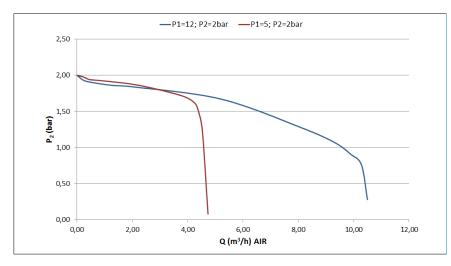
DI010W - DIN477 No 10 Wrench

DI013W - DIN477 No 13 Wrench

- DIN477 No 11 Wrench

DI006H - DIN477 No 6 Hand

FLOW CURVE:



ORDER CODE:

Example Cylinder Regulator | PUR Linie | Stainless Steel | Low Flow | Low Pressure | Single Stage | 6-Port Version | Inlet Right

CSLLVSJ CSLLESJ	R	00	D1	AX	11	BT	N14F	N14F	
CSEESS							(1/4" NPT female)	(1/4" NPT female)	
	Porting	Options	Inlet pressure	Outlet pressure	Inlet gauge	Outlet gauge	Cylinder connection	Process outlet connection	
F	R Inlet right	00 No option	D1 12 bar	AX 2 bar (abs)	00 Without 1/4" NPT female	00 Without 1/4" NPT female			
		OS LP* Shut-off valve		BX 3 bar (abs)	01 Without (plugged)	01 Without (plugged)			
		OR LP* Regulating valve			BT Bourdon Tube	BT Bourdon Tube			
		P0 HP** Purge valve			I1 Inductiv contact gauge I1				
		PS HP** Purge- and LP* Shut-off valve			R5 Reed contact gauge R5		possible connections	possible connections	
		PR HP** Purge- and LP* Regulating valve 30 HP** Triple purge block 30					see technical	see technical	
							drawing	drawing	
		3S HP** Triple purge block & LP shut-off valve							
		3R HP** Triple purge block & LP* regulating valve							

Order code (as described above) without special characters or spaces! Complete Order Code CSLLVSJR00D1AX11BTN14FN14F

* LP = Low pressure ** HP = High pressure