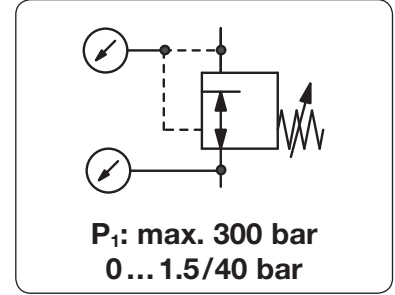


<b>Description</b>	High pressure regulator for gas cylinders for reducing pressure of compressed air or liquid gases from a high level to the required pressure.	
<b>Supply pressure</b>	max. 300 bar	
<b>Media</b>	compressed air, oxygen or different gases	
<b>Connections</b>	according to DIN 477	
<b>Adjustment</b>	by T-handle	
<b>Gauge port</b>	All regulators are equipped with both one supply pressure gauge and one outlet pressure gauge.	
<b>Leakage rate</b>	10 <sup>-6</sup> mbar l/s	
<b>Compensation</b>	All regulators are equipped with supply pressure variation compensation, so that a change in supply pressure has no effect on the outlet pressure's stability.	
<b>Temperature range</b>	-30 °C to 60 °C / -22 °F to 140 °F	
<b>Material</b>	Body: brass	O-rings: NBR/Buna-N and EPDM
	Diaphragm: 65NBR4550, PTFE for outlet > 10 bar, stainless steel for pure gases up to 5.0	Spring cage: brass



Dimensions			Version	Flow rate		Supply pressure	Pressure range	Order number
A	B	C	1-step	m <sup>3</sup> /h*2	l/min*2	max. bar	bar	
mm	mm	mm	2-step					

## Cylinder pressure regulator 300 bar for compressed air, connections DIN 477, with inlet / outlet gauges **RH300**

210	190	100	1-step	48	800	300	0 ... 10	<b>RH301-00C</b>
210	210	120		75	1250		0 ... 20	<b>RH301-00D</b>
				120	2000		0 ... 40	<b>RH301-00E</b>
240	190	100	2-step	8	133	300	0 ... 1,5	<b>RH302-00A</b>
				48	800		0 ... 10	<b>RH302-00C</b>

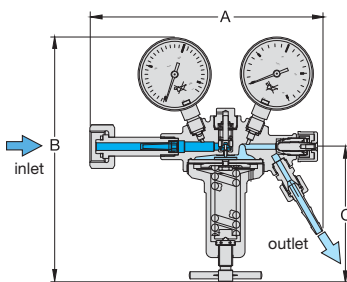


RH301, 1-step

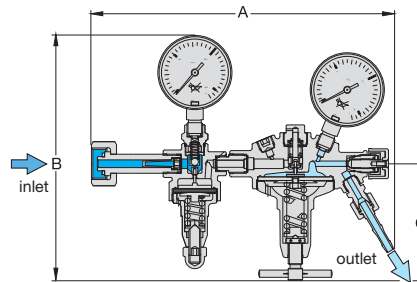


## Special options, change the appropriate letter

carbon dioxide	CO <sub>2</sub>	RH30	.-...03
inert gas		RH30	.-...04
argon	Ar	RH30	.-...05
fuel gas		RH30	.-...06
nitrogen	N <sub>2</sub>	RH30	.-...07
forming gas		up to 40 bar	RH30
helium	He	up to 40 bar	RH30
hydrogen	H <sub>2</sub>		RH30
testing gas		up to 40 bar	RH30
oxygen	O <sub>2</sub>	up to 20 bar	RH30
chrome-plated body	inside and outside	1-step	RH301 - C...
chrome-plated body	inside and outside	2-step	RH302 - C...
metal diaphragm	5.0 purity	1-step	RH301 - .M...
		2-step	RH302 - .M...



cross-section, 1-step



cross-section, 2-step

connection thread up to 300 bar		
gas type	inlet *1	outlet
fuel gas	W30x2 LH	G½ LH
all others	W30x2	G¼

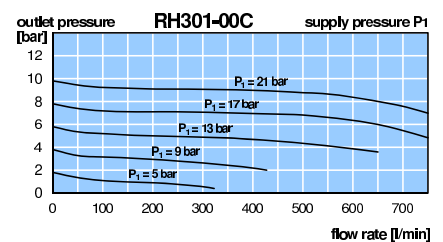
flow rate - correction factor		
gas type		factor
compressed air		1.00
oxygen	O <sub>2</sub>	0.95
carbon dioxide	CO <sub>2</sub>	0.81
hydrogen	H <sub>2</sub>	3.80
argon	Ar	0.85
helium	He	2.70
propane	C <sub>3</sub> H <sub>8</sub>	0.80
nitrous oxide	N <sub>2</sub> O	0.80



RH302, 2-step



RH301-C., chrome-plated



\*1 Thread according to DIN 477, only left hand thread is marked LH, right hand RH is not marked.

\*2 at supply pressure of 2x outlet pressure + 1 bar

