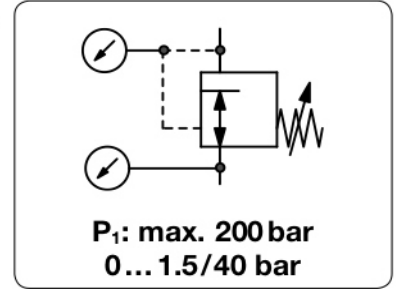


# RH200 - Détendeur pour gaz en bouteille, raccordement DIN477, compatible dioxyde de carbone, argon, GPL, azote hydrogéné, helium, hydrogène, pur 5.0

<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. 200 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	Spring cage: brass
	Diaphragm: 65NBR4550, PTFE for outlet > 10 bar, stainless steel for pure gases up to 5.0		



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 200 bar for compressed air, connections DIN 477, with inlet / outlet gauges **RH201/RH202**

210	190	100	1-step	48	800	200	0... 10	<b>RH201-00C</b>
210	210	120		75	1250		0... 20	<b>RH201-00D</b>
				120	2000		0... 40	<b>RH201-00E</b>
240	190	100	2-step	8	133	200	0... 1.5	<b>RH202-00A</b>
				48	800		0... 10	<b>RH202-00C</b>



RH201, 1-step

## Regulator for propane and acetylene connections DIN 477, with inlet / outlet gauges **RH201**

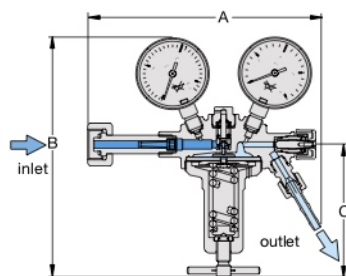
210	190	100	1-step	propane	C <sub>3</sub> H <sub>8</sub>	max. 8	0... 4.0	<b>RH201-00B16</b>
210	190	100	1-step	azetylene	C <sub>2</sub> H <sub>2</sub>	max. 26	0... 1.5	<b>RH201-00A19</b>

## Special options, change the appropriate letter

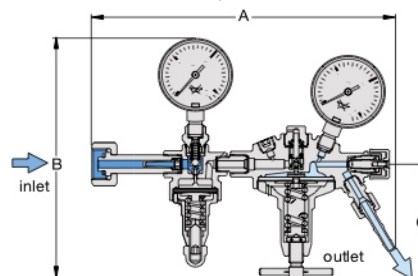
carbon dioxide	CO <sub>2</sub>			RH20 - . . . . <b>03</b>
inert gas				RH20 - . . . . <b>04</b>
argon	Ar			RH20 - . . . . <b>05</b>
fuel gas				RH20 - . . . . <b>06</b>
nitrogen	N <sub>2</sub>			RH20 - . . . . <b>07</b>
forming gas			up to 40 bar	RH20 - . . . . <b>08</b>
helium	He		up to 40 bar	RH20 - . . . . <b>09</b>
hydrogen	H <sub>2</sub>			RH20 - . . . . <b>11</b>
testing gas			up to 40 bar	RH20 - . . . . <b>12</b>
oxygen	O <sub>2</sub>		up to 40 bar	RH20 - . . . . <b>15</b>
chrome-plated body	inside and outside		1-step	RH201 - <b>C</b> . . . .
chrome-plated body	inside and outside		2-step	RH202 - <b>C</b> . . . .
metal diaphragm	5.0 purity		1-step	RH201 - <b>.M</b> . . . .
			2-step	RH202 - <b>.M</b> . . . .



RH202, 2-step



cross-section, 1-step



cross-section, 2-step

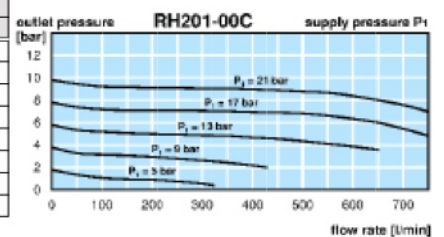


RH201-C..., chrome-plated

connection thread up to 200 bar		
gas type	inlet *1	outlet
compressed air	G <sup>3</sup> / <sub>4</sub> a	G <sup>3</sup> / <sub>4</sub>
oxygen	G <sup>3</sup> / <sub>4</sub> l	G <sup>3</sup> / <sub>4</sub>
inert gas	W21, 8x <sup>3</sup> / <sub>4</sub>	G <sup>3</sup> / <sub>4</sub>
CO <sub>2</sub> / argon	W21, 8x <sup>3</sup> / <sub>4</sub>	G <sup>3</sup> / <sub>4</sub>
helium	W21, 8x <sup>3</sup> / <sub>4</sub>	G <sup>3</sup> / <sub>4</sub>
fuel gas	W21, 8x <sup>3</sup> / <sub>4</sub> LH	G <sup>3</sup> / <sub>4</sub> LH
hydrogen	W21, 8x <sup>3</sup> / <sub>4</sub> LH	G <sup>3</sup> / <sub>4</sub> LH
forming gas	W21, 8x <sup>3</sup> / <sub>4</sub> LH	G <sup>3</sup> / <sub>4</sub> LH

connection thread up to 200 bar		
gas type	inlet *1	outlet
nitrogen	W24, 32x <sup>3</sup> / <sub>4</sub>	G <sup>3</sup> / <sub>4</sub>
testing gas	M19x1,5 LH	G <sup>3</sup> / <sub>4</sub> LH
nitrous oxide	G <sup>3</sup> / <sub>2</sub>	G <sup>3</sup> / <sub>4</sub>
azetylene	clamp (cylinder)	G <sup>3</sup> / <sub>4</sub> LH

flow rate - correction factor	
gas type	factor
compr. 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



\*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