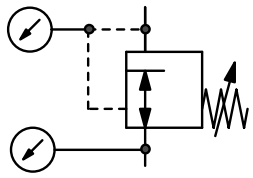
Description	High pressure regulator for gas cylinders for reducing pressure of compressed air or liquid gases from a high level to the required pressure.
Supply pressure	max. 200 bar
Media	compressed air, oxygen or different gases
Connections	according to DIN 477
Adjustment	by T-handle
Gauge port	All regulators are equipped with both one supply pressure gauge and one outlet pressure gauge.
Leakage rate	10^{-6} mbar l/s
Compensation	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.
Temperature range	-30 °C to 60 °C / -22 °F to 140 °F
Material	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



P_1: max. 200 bar
0 ... 1.5/40 bar

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

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	**RH201-00C**
210	210	120		75	1250		0 ... 20	**RH201-00D**
				120	2000		0 ... 40	**RH201-00E**
240	190	100	2-step	8	133	200	0 ... 15	**RH202-00A**
				48	800		0 ... 10	**RH202-00C**

RH201, 1-step

Regulator for propane and acetylene

connections DIN 477, with inlet / outlet gauges — **RH201**

210	190	100	1-step	propane	C_3H_8	max. 8	0 ... 4.0	**RH201-00B16**
210	190	100	1-step	azetylene	C_2H_2	max. 26	0 ... 1.5	**RH201-00A19**

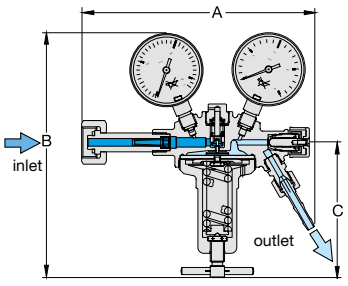
High pressure
4

Special options, change the appropriate letter

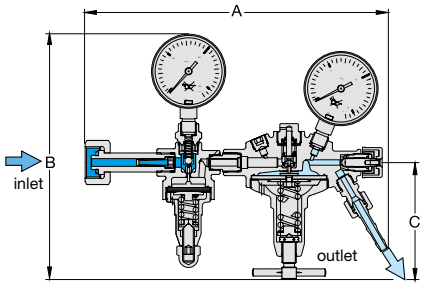
carbon dioxide	CO_2		RH20 .-...**03**
inert gas			RH20 .-...**04**
argon	Ar		RH20 .-...**05**
fuel gas			RH20 .-...**06**
nitrogen	N_2		RH20 .-...**07**
forming gas		up to 40 bar	RH20 .-...**08**
helium	He	up to 40 bar	RH20 .-...**09**
hydrogen	H_2		RH20 .-...**11**
testing gas		up to 40 bar	RH20 .-...**12**
oxygen	O_2	up to 40 bar	RH20 .-...**15**
chrome-plated body	inside and outside	1-step	RH201 -**C**....
chrome-plated body	inside and outside	2-step	RH202 -**C**....
metal diaphragm	5.0 purity	1-step	RH201 - .**M**...
		2-step	RH202 - .**M**...

RH202, 2-step

RH201-C.., chrome-plated



cross-section, 1-step

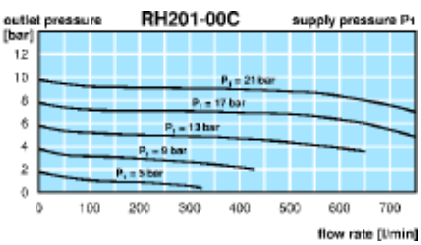


cross-section, 2-step

connection thread up to 200 bar		
gas type	**inlet** *1	**outlet**
compressed air	G⅝ a	G¼
oxygen	G¾ i	G¼
inert gas	W21, 8x1/14	G¼
CO_2 / argon	W21, 8x1/14	G¼
helium	W21, 8x1/14	G¼
fuel gas	W21, 8x1/14 LH	G⅜ LH
hydrogen	W21, 8x1/14 LH	G⅜ LH
forming gas	W21, 8x1/14 LH	G⅜ LH

connection thread up to 200 bar		
gas type	**inlet** *1	**outlet**
nitrogen	W24,32x1/14	G¼
testing gas	M19x1,5 LH	G⅜LH
nitrous oxide	G⅜	G¼
azetylene	clamp (cylinder)	G⅜a LH

flow rate - correction factor		
gas type		**factor**
compr. air		1.00
oxygen	O_2	0.95
carbon dioxide	CO_2	0.81
hydrogen	H_2	3.80
argon	Ar	0.85
helium	He	2.70
propane	C_3H_8	0.80
nitrous oxide	N_2O	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

PDF CAD
www.aircom.net

Order example:
RH201-00C