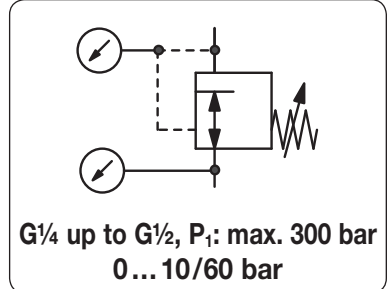


Description	Main pressure regulator according to ISO 7291 up to 300 bar with G½ connection thread. A filter at the inlet port protects against contamination.
Media	compressed air, oxygen or different gases on request
Supply pressure	see chart, max. 300 bar
Connections	G¼ to G½, optionally according to DIN 477
Adjustment	by T-handle for RH-...7.510 / 520 / 525 by hexagonal spindle (spanner size 20 mm) for RH-...7.545 / 565
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	without supply pressure variation compensation
Temperature range	-30 °C to 60 °C / -22 °F to 140 °F
Material	Body: brass O-rings: NBR/Buna-N Spring cage: brass Diaphragm: 65NBR4550, stainless steel for oxygen > 20 bar



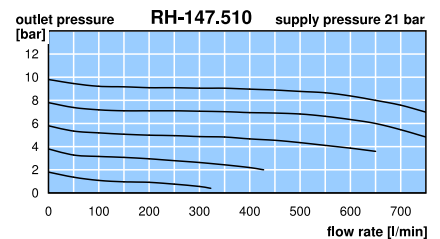
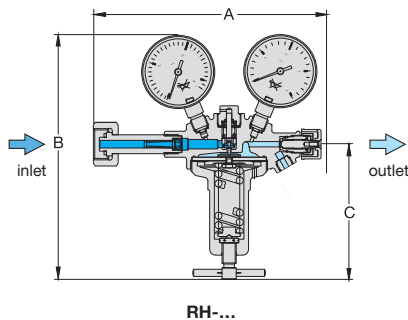
Dimensions			Flow rate		Supply pressure	Connection thread	Pressure range	Order number
A	B	C	m³/h*1	l/min*1	max. bar	G	bar	
mm	mm	mm						

Main pressure regulator					for compressed air, supply and outlet pressure gauge supplied			RH
150	205	115	50	830	100	G½	0 ... 10	RH-147.510
			75	1250			0 ... 20	RH-147.520
			170	2830			0 ... 20	RH-147.525
			290	4830			15 ... 40	RH-147.545
			450	7500			15 ... 60	RH-147.565
150	205	115	50	830	200	G½	0 ... 10	RH-247.510
			75	1250			0 ... 20	RH-247.520
			170	2830			0 ... 20	RH-247.525
			290	4830			15 ... 40	RH-247.545
			450	7500			15 ... 60	RH-247.565
150	205	115	50	830	300	G½	0 ... 10	RH-347.510
			75	1250			0 ... 20	RH-347.520
			170	2830			0 ... 20	RH-347.525
			290	4830			15 ... 40	RH-347.545
			450	7500			15 ... 60	RH-347.565



Special options, add the appropriate letter

G¼	connection thread, max. 100 bar	RH- .27...
G½	connection thread	RH- .37...
carbon dioxide	CO ₂	RH- .47... .03
inert gas		RH- .47... .04
argon	Ar	RH- .47... .05
fuel gas		RH- .47... .06
nitrogen	N ₂	RH- .47... .07
forming gas		RH- .47... .08
helium	He	RH- .47... .09
hydrogen	H ₂	RH- .47... .11
testing gas		RH- .47... .12
natural gas *2		RH- .47... .14
oxygen	O ₂	RH- .47... .15
chrome plated body	inside and outside	RH- .47... .C
metal diaphragm	5.0 purity	RH- .41... .M



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

*2 without DVGW-approval