

STAINLESS STEEL HIGH PRESSURE REGULATOR FOR OUTLET PRESSURE UP TO 200 BAR RH3000

Description

Hand-operated, spring-loaded high pressure regulator for maximum supply pressure of 220 bar and maximum outlet pressure of 200 bar. For outlet pressures up to 15 bar the regulator has a diaphragm, for higher outlets a piston. A sintered bronze filter at the inlet port protects against contamination.

Media

compressed air or non-corrosive gases

Supply pressure

max. 220 bar

Adjustment

by hexagon head screw at RH3000-02 to -A3; T-handle at RH3000-06 to -10, with locknut

Gauge port

All regulators are equipped with both one supply pressure gauge and one outlet pressure gauge.

Relief valve

prevents from overpressure, see chart

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

-20 °C to 60 °C / -4 °F to 140 °F

Material

Body: stainless steel 316

Diaphragm: stainless steel 316

O-ring: FKM / PTFE

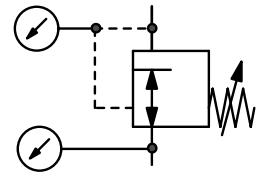
Mounting position

any

Filter: stainless steel 316

Valve seat: FKM

Piston: stainless steel 316



G $\frac{1}{4}$ up to G $\frac{1}{4}$
1 ... 8/200 bar

Dimensions			Relief valve	K _v -value	Flow rate	Connection thread	Pressure range	Order number
A	B	C	S: with valve	(m ³ /h)	m ³ /h*1	l/min*1	inlet/outlet	bar
mm	mm	mm						

High pressure regulator 220 bar

non-relieving, for compressed air with supply and outlet pressure gauges

RH3000

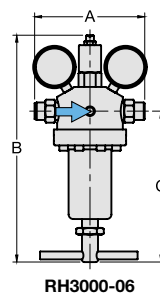
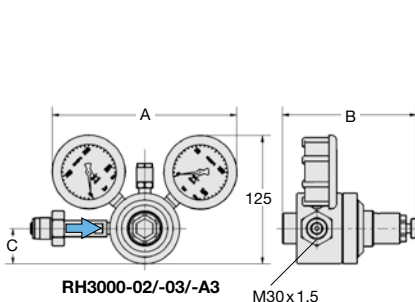
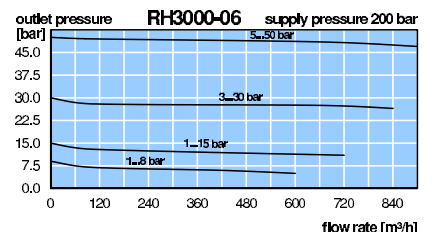
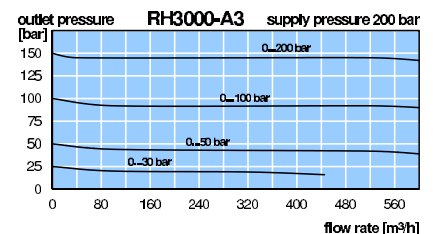
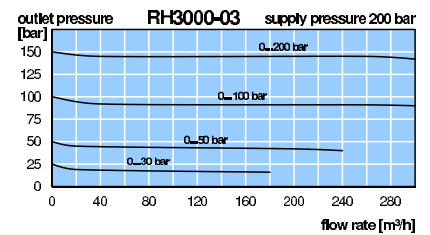
170	159	32	S	0.05	30	500	DIN 477 / G $\frac{1}{4}$ f	1 ... 8	RH3000-02A
			S		45	750		1 ... 15	RH3000-02B
170	172	32	S		60	1000		3 ... 30	RH3000-02C
			S		60	1000		5 ... 50	RH3000-02D
			S		60	1000		10 ... 100	RH3000-02E
			-		60	1000		20 ... 200	RH3000-02F
186	172	40	S	0.15	70	1150	DIN 477 / G $\frac{3}{8}$ f	1 ... 8	RH3000-03A
			S		155	2580		1,5 ... 15	RH3000-03B
			S		210	3500		3 ... 30	RH3000-03C
186	175	46	S		250	4100		5 ... 50	RH3000-03D
					350	5800		10 ... 100	RH3000-03E
					390	6500		20 ... 200	RH3000-03F
186	196	40	-						
178	241	40	S	0.25	370	6170	G $\frac{3}{4}$ f / G $\frac{3}{8}$ f	1 ... 15	RH3000-A3B
178	244	40	S		460	7700		3 ... 30	RH3000-A3C
			S		650	10830		5 ... 50	RH3000-A3D
					680	11300		10 ... 100	RH3000-A3E
					700	11670		20 ... 200	RH3000-A3F
178	196	40	-						
178	241	40	S	0,25	370	6170	G $\frac{3}{4}$ i / G $\frac{1}{2}$ i	1 ... 15	RH3000-04B
178	244	40	S		460	7700		3 ... 30	RH3000-04C
			S		650	10830		5 ... 50	RH3000-04D
			-		680	11300		10 ... 100	RH3000-04E
			-		700	11670		20 ... 200	RH3000-04F
178	196	40	-						
166	345	232	S	1.5	600	10000	G $\frac{3}{4}$ m / G $\frac{3}{4}$ m	1 ... 8	RH3000-06A
			S		720	12000		1 ... 15	RH3000-06B
166	358	245	S		850	14170		3 ... 30	RH3000-06C
			S		1000	16670		5 ... 50	RH3000-06D
			-		1050	17500		10 ... 100	RH3000-06E



RH3000-02



RH3000-03



*1 at 200 bar supply pressure and max. outlet pressure

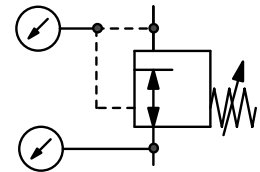
PDF CAD
www.aircom.net



Order example:
RH3000-02A

STAINLESS STEEL HIGH PRESSURE REGULATOR FOR OUTLET PRESSURE UP TO 200 BAR RH3000

Description	Hand-operated, spring-loaded high pressure regulator for maximum supply pressure of 220 bar and maximum outlet pressure of 200 bar. For outlet pressures up to 15 bar the regulator has a diaphragm, for higher outlets a piston. A sintered bronze filter at the inlet port protects against contamination.		
Media	compressed air or non-corrosive gases		
Supply pressure	max. 220 bar		
Adjustment	by hexagon head screw at RH3000-02 to -A3; T-handle at RH3000-06 to -10, with locknut		
Gauge port	All regulators are equipped with both one supply pressure gauge and one outlet pressure gauge.		
Relief valve	prevents from overpressure, see chart		
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	-20 °C to 60 °C / -4 °F to 140 °F		
Material	Body:	stainless steel 316	Mounting position any
	Diaphragm:	stainless steel 316	Filter: stainless steel 316
	O-ring:	FKM / PTFE	Valve seat: FKM
			Piston: stainless steel 316



G $\frac{1}{4}$ up to G1 $\frac{1}{4}$
1 ... 8/200 bar

Dimensions			Relief valve	K _v -value	Flow rate	Connection thread	Pressure range	Order number
A	B	C	S: with valve	(m ³ /h)	m ³ /h*1	l/min*1	inlet/outlet	bar
mm	mm	mm						

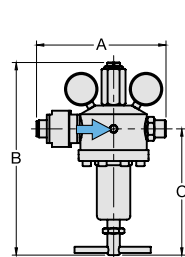
High pressure regulator 220 bar					non-relieving, for compressed air with supply and outlet pressure gauges			RH3000	
253	365	242	S	1,8	1100	18330	G1a / G1 a	1 ... 8	RH3000-08A
			S		1300	21670		1 ... 15	RH3000-08B
253	406	278	S		1500	25000		3 ... 30	RH3000-08C
			S		1650	27500		5 ... 50	RH3000-08D
			-		1850	30830		20 ... 200	RH3000-08F
248	370	270	S	3,1	3850	65830	G1a / G1 $\frac{1}{4}$ i	1 ... 8	RH3000-10A
								1 ... 15	RH3000-10B
								3 ... 30	RH3000-10C
								5 ... 50	RH3000-10D

Special options, add the appropriate letter

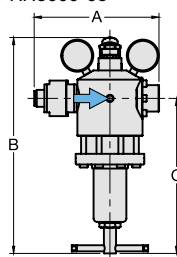
diaphragm relieving		RH3000-... R
piston relieving		RH3000-... R
EPDM elastomer		RH3000-... E
for panel mounting	for RH3000-02 to -A3	RH3000-... P
carbon dioxide*2	CO ₂	RH3000-... 03
argon	Ar	RH3000-... 05
nitrogen	N ₂	RH3000-... 07
helium	He	RH3000-... 09
hydrogen	H ₂	RH3000-... 11
methane	CH ₄	RH3000-... 13
natural gas *3		RH3000-... 14
propane	C ₃ H ₈	RH3000-... 16
nitrous oxide	N ₂ O	RH3000-... 17
without cylinder connection		RH3000-... X40

Accessories, enclosed

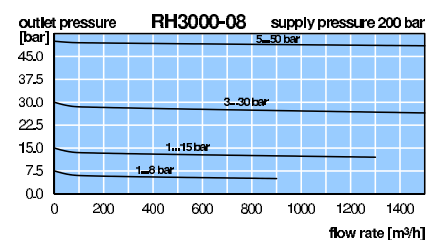
mounting bracket	for RH3000-02	BW45-03S
mounting nut	for RH3000-02	M45x1,5S
mounting bracket	for RH3000-03 and -A3	BW50-01S
mounting nut	for RH3000-03 and -A3	M50x1,5S
mounting bracket	for RH3000-06	BW00-31S
	for RH3000-08	BW00-35S



RH3000-08



RH3000-10



*1 at 200 bar supply pressure and max. outlet pressure

*2 max. 80 bar

*3 without DVGW-approval

