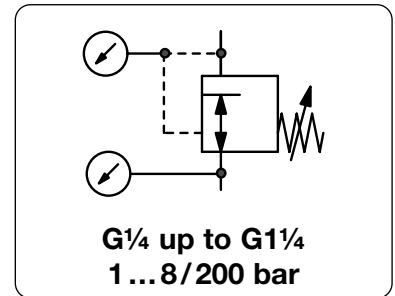


<b>Description</b>	Hand-operated, spring-loaded high pressure regulator for maximum supply pressure of 220 bar and maximum outlet pressure of 200 bar. For outlet pressures up to 15 bar the regulator has a diaphragm, for higher outlets a piston. A sintered bronze filter at the inlet port protects against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



Dimensions			Relief valve	K <sub>v</sub> -value	Flow rate	Connection thread	Pressure range	Order number
A	B	C	S: with valve	(m <sup>3</sup> /h)	m <sup>3</sup> /h*1	inlet/outlet	bar	

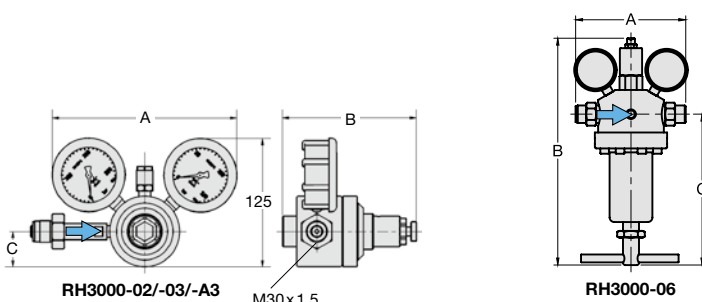
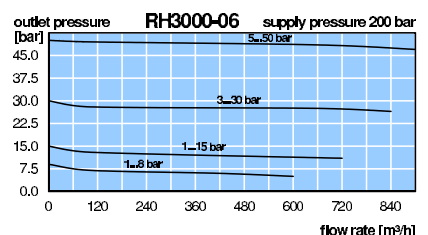
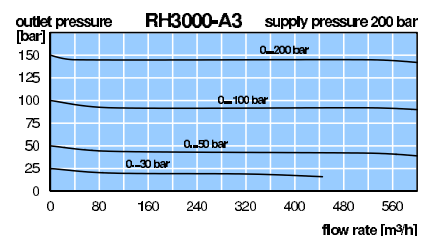
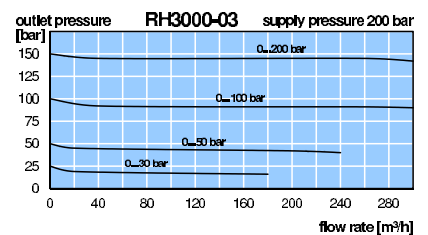
High pressure regulator 220 bar							non-relieving, for compressed air with supply and outlet pressure gauges	RH3000	
170	159	32	S	0.05	30	500	DIN 477 / G <sub>1/4</sub> f	1 ... 8	RH3000-02A
			S		45	750		1 ... 15	RH3000-02B
170	172	32	S	60	1000			3 ... 30	RH3000-02C
			S	60	1000			5 ... 50	RH3000-02D
			S	60	1000			10 ... 100	RH3000-02E
			-		60	1000		20 ... 200	RH3000-02F
186	172	40	S	0.15	70	1150	DIN 477 / G <sub>3/8</sub> 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 <sub>3/4</sub> f / G <sub>3/8</sub> 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 <sub>3/4</sub> f / G <sub>1/2</sub> f	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 <sub>3/4</sub> m / G <sub>3/4</sub> 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

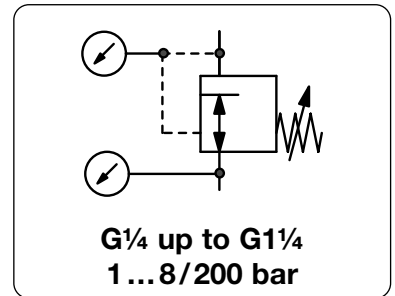


\*1 at 200 bar supply pressure and max. outlet pressure

# STAINLESS STEEL HIGH PRESSURE REGULATOR, P1: UP TO 200 BAR

# RH3000

<b>Description</b>	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.		
<b>Media</b>	compressed air or non-corrosive gases		
<b>Supply pressure</b>	max. 220 bar		
<b>Adjustment</b>	by hexagon head screw at RH3000-02 to -A3; T-handle at RH3000-06 to -10, with locknut		
<b>Gauge port</b>	All regulators are equipped with both one supply pressure gauge and one outlet pressure gauge.		
<b>Relief valve</b>	prevents from overpressure, see chart		
<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>	-20 °C to 60 °C / -4 °F to 140 °F		
<b>Material</b>	Body: stainless steel 316	Filter: stainless steel 316	<b>Mounting position</b> any
	Diaphragm: stainless steel 316	Valve seat: FKM	
	O-ring: FKM / PTFE	Piston: stainless steel 316	



Dimensions			Relief valve	K <sub>v</sub> -value	Flow rate	Connection thread	Pressure range	Order number
A	B	C	S: with valve	(m³/h)	m³/h*1	inlet/outlet	bar	

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	G1m / G1 m	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	G1m / G1 1/4 f	1 ... 8	RH3000-10A
								1 ... 15	RH3000-10B
								3 ... 30	RH3000-10C
								5 ... 50	RH3000-10D

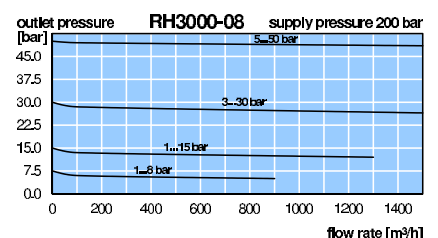
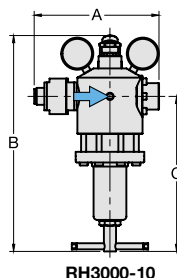
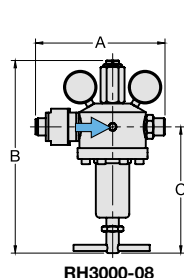


## Special options, add the appropriate letter

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 <sub>2</sub>	RH3000-... 03
argon	Ar	RH3000-... 05
nitrogen	N <sub>2</sub>	RH3000-... 07
helium	He	RH3000-... 09
hydrogen	H <sub>2</sub>	RH3000-... 11
methane	CH <sub>4</sub>	RH3000-... 13
natural gas *3		RH3000-... 14
propane	C <sub>3</sub> H <sub>8</sub>	RH3000-... 16
nitrous oxide	N <sub>2</sub> O	RH3000-... 17
without cylinder connection		RH3000-... X40

## Accessories, enclosed

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



\*1 at 200 bar supply pressure and max. outlet pressure    \*2 max. 80 bar    \*3 without DVGW-approval