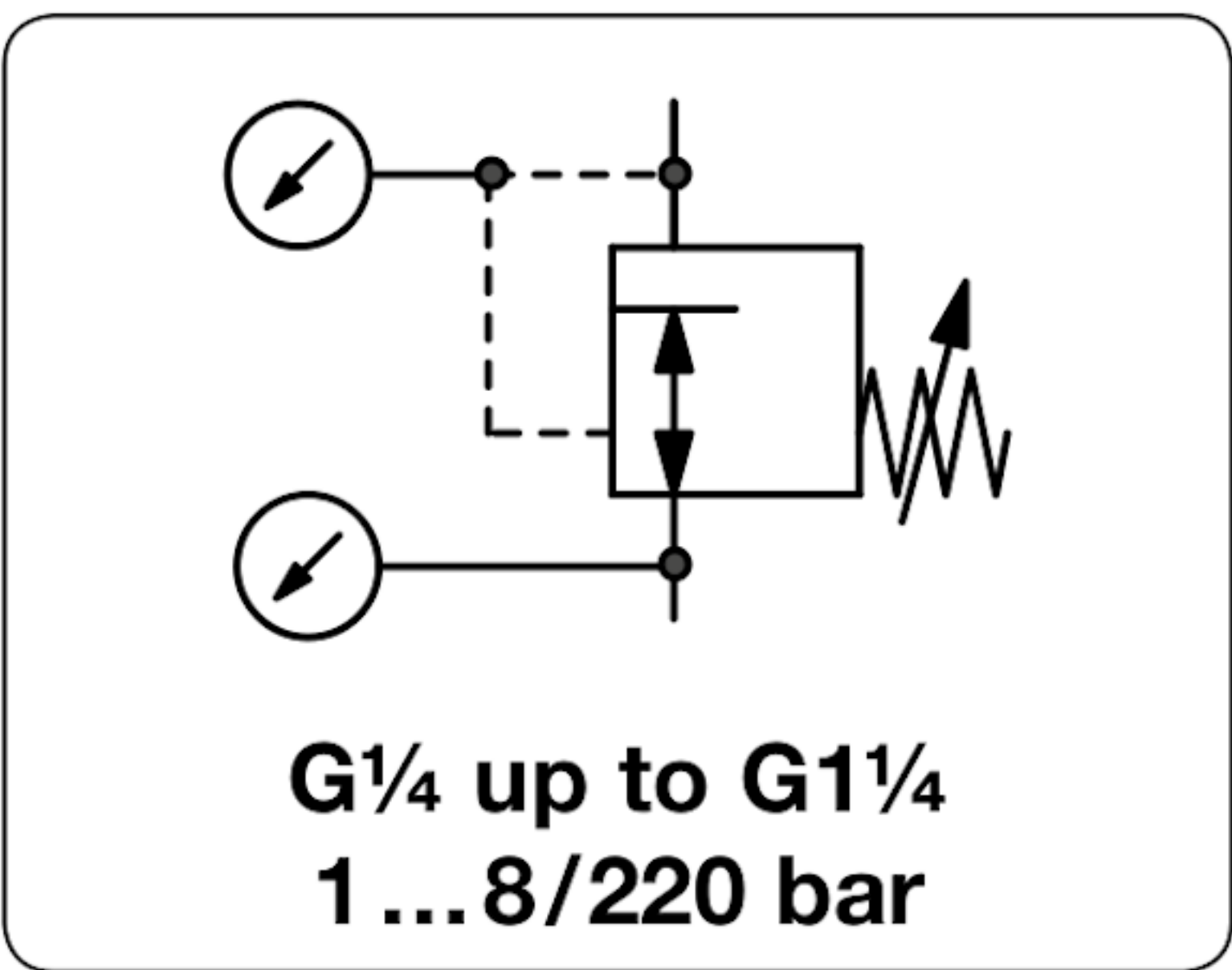


high pressure regulator
series PR87



Description	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	RH10-02: by black plastic knob	all others: by T-handle with locknut
Gauge port	All regulators are equipped with both one supply pressure gauge and one outlet pressure gauge.	
Safety 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: brass, nickel-plated at RH10-02 Piston: brass at RH10-02 Valve seat: nylon Diaphragm: stainless steel at RH10-02, NBR/Buna-N at all others	Mounting position any Inlet filter: sintered bronze O-rings: EPDM or FKM, dependent on media



Dimensions			Safety relief valve	K _v -value	Flow rate	Connection thread	Pressure range	Order number
A	B	C	S: with valve	(m³/h)	m³/h*1	l/min*1	inlet / outlet	bar
mm	mm	mm						

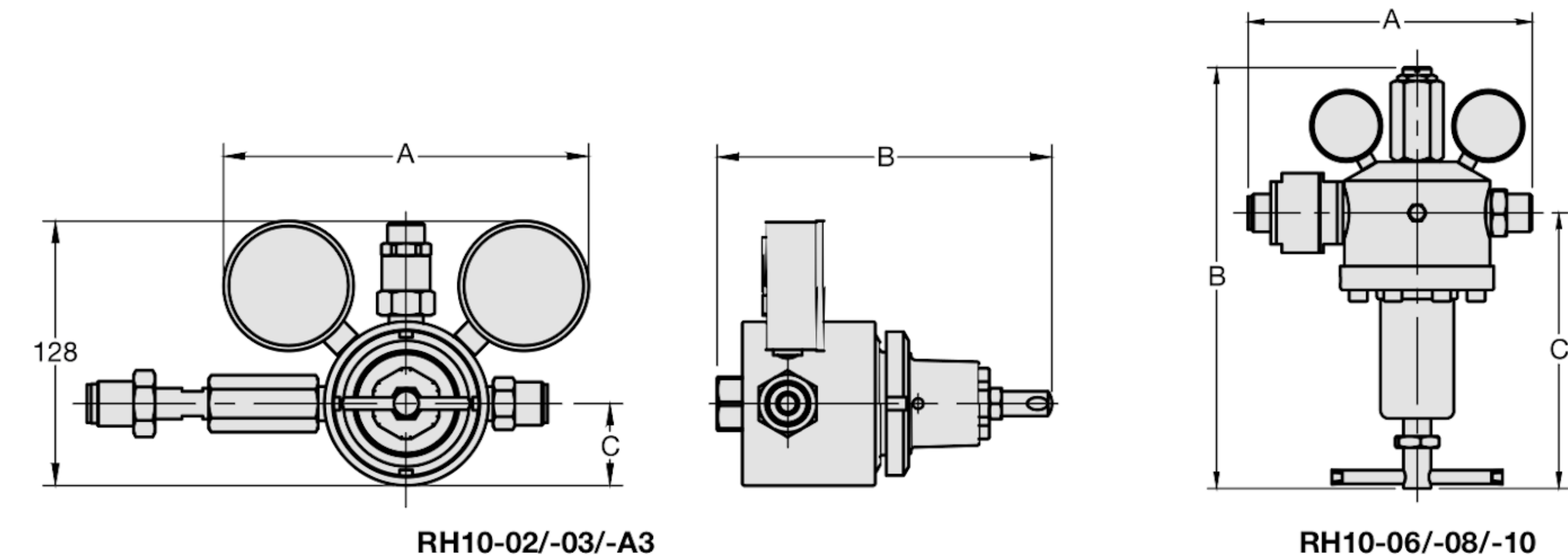
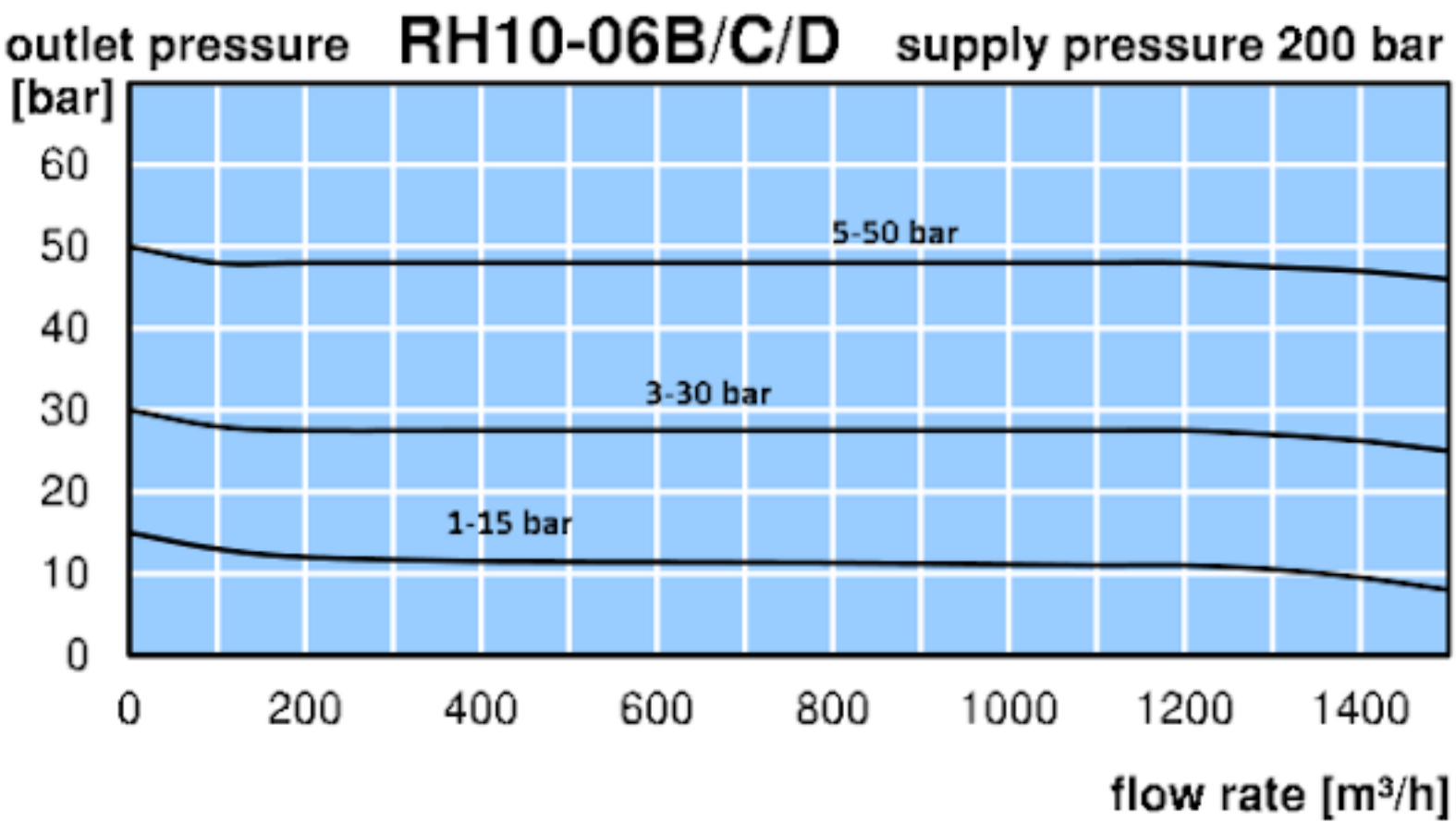
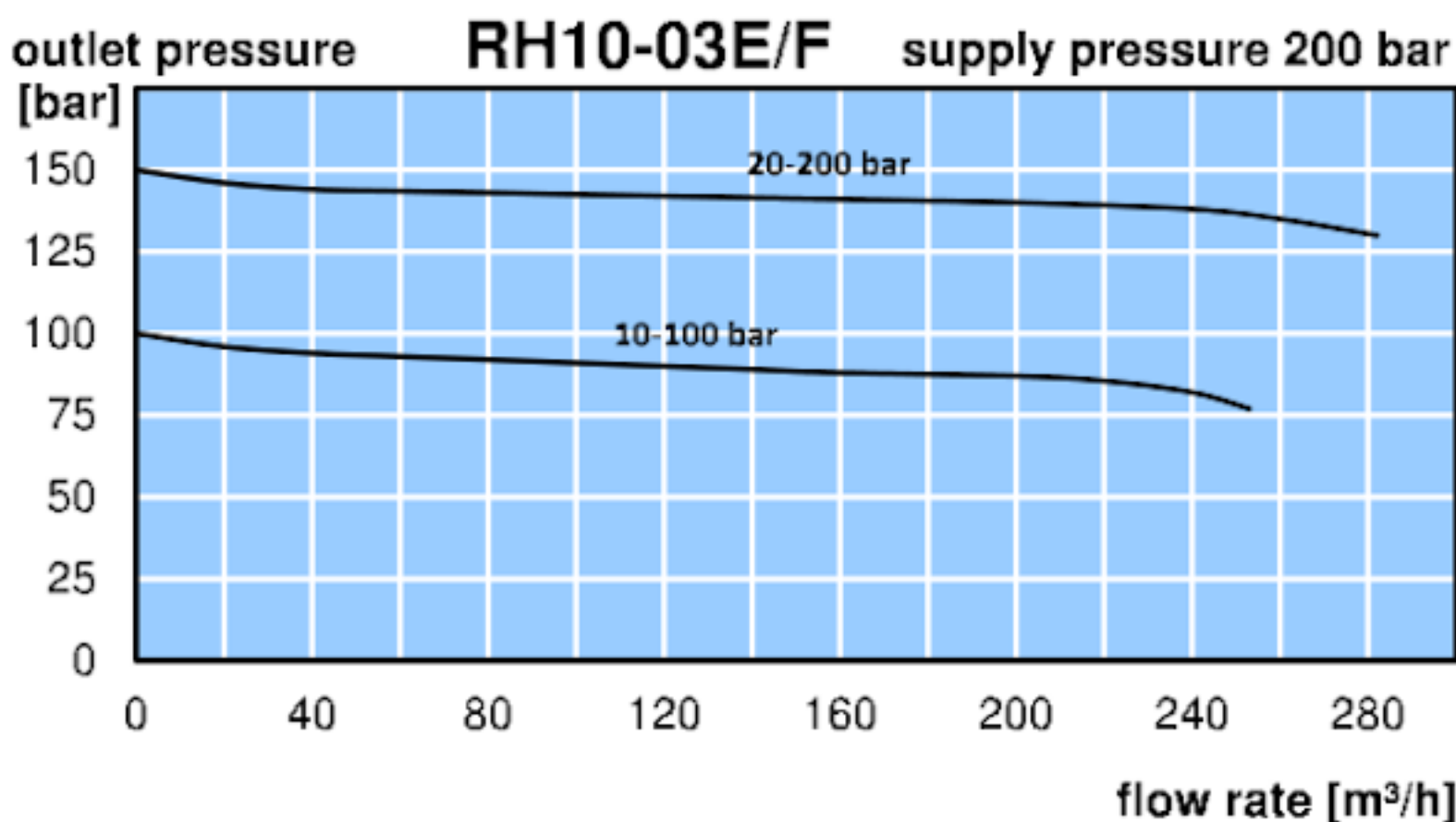
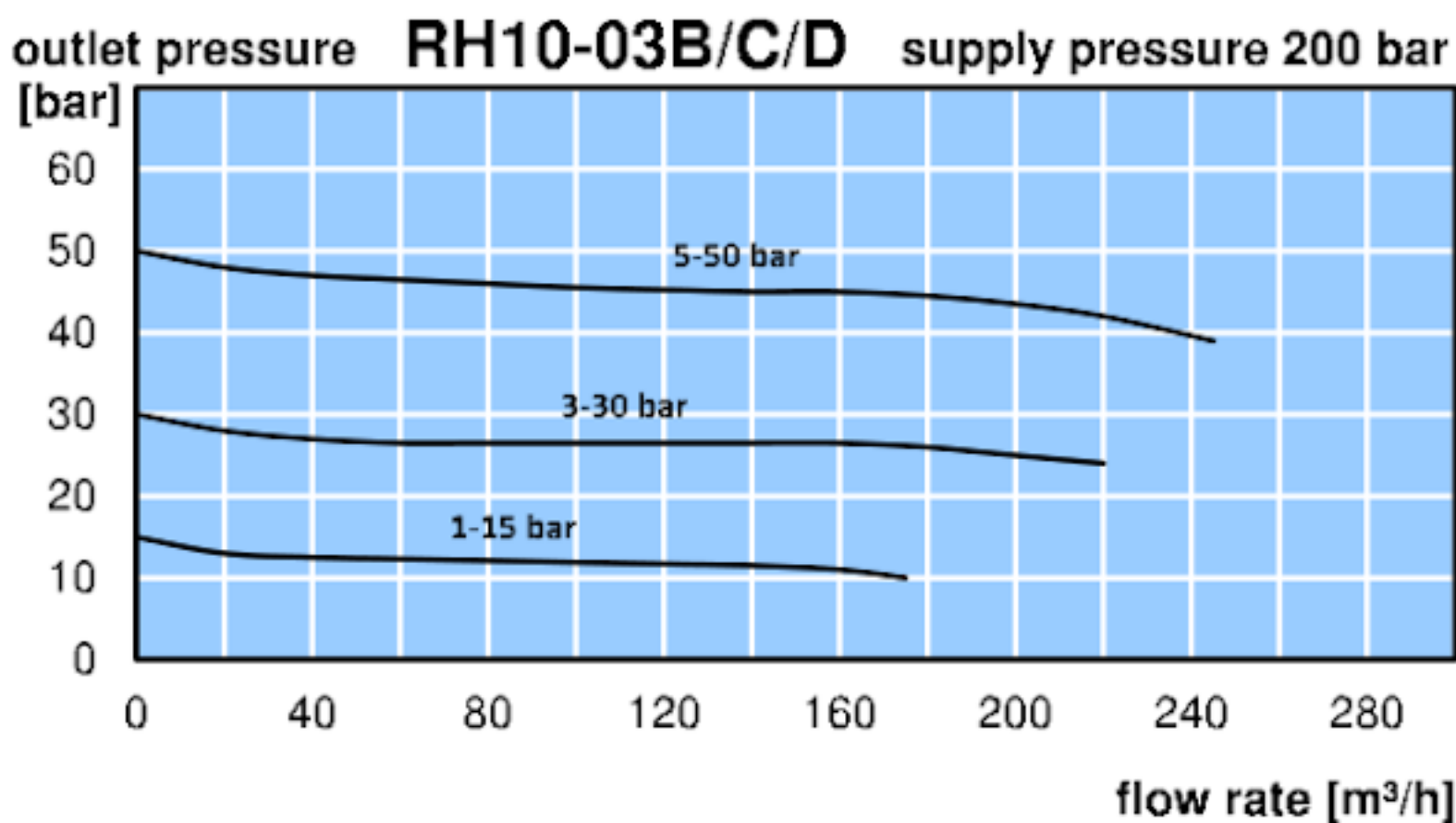
High pressure regulator 220 bar								non-relieving, for compressed air, pressure gauges supplied	RH10	
175	150	32	S	0.05	80	1 300	DIN 477 / G 1/4	1 ... 8	RH10-02A	
			S					1 ... 15	RH10-02B	
			S					3 ... 30	RH10-02C	
			S					5 ... 50	RH10-02D	
			S					10 ... 100	RH10-02E	
			-					20 ... 200	RH10-02F	
181	162	34	S	0.15	228	3 800	DIN 477 / G 1/2 a	0.1 ... 1.5	RH10-030	
			S					1 ... 15	RH10-03B	
181	164	34	S				DIN 477 / G 3/8 i	3 ... 30	RH10-03C	
			S					5 ... 50	RH10-03D	
181	182	34	-					10 ... 100	RH10-03E	
			-					20 ... 200	RH10-03F	
181	231	102	S	0.25	422	7 000	G 3/4 i / G 1/2 a	0.1 ... 1.5	RH10-A30	
			S					1 ... 15	RH10-A3B	
181	233	102	S				G 3/4 i / G 3/8 i	3 ... 30	RH10-A3C	
			S					5 ... 50	RH10-A3D	
181	184	35	-					10 ... 100	RH10-A3E	
			-					20 ... 200	RH10-A3F	
166	346	113	S	1.5	2 000	33 000	G 3/4 a / G 3/4 a	1 ... 8	RH10-06A	
			S					1 ... 15	RH10-06B	
			S					3 ... 30	RH10-06C	
			S					5 ... 50	RH10-06D	
			S					10 ... 100	RH10-06E	
250	370	242	S	2.5	3 000	48 000	G 1 a / G 1 a	1 ... 8	RH10-08A	
			S					1 ... 15	RH10-08B	
250	406	278	S					3 ... 30	RH10-08C	
			S					5 ... 50	RH10-08D	
250	387	276	-					20 ... 200	RH10-08F	



RH10-02B11



RH10-A3B07

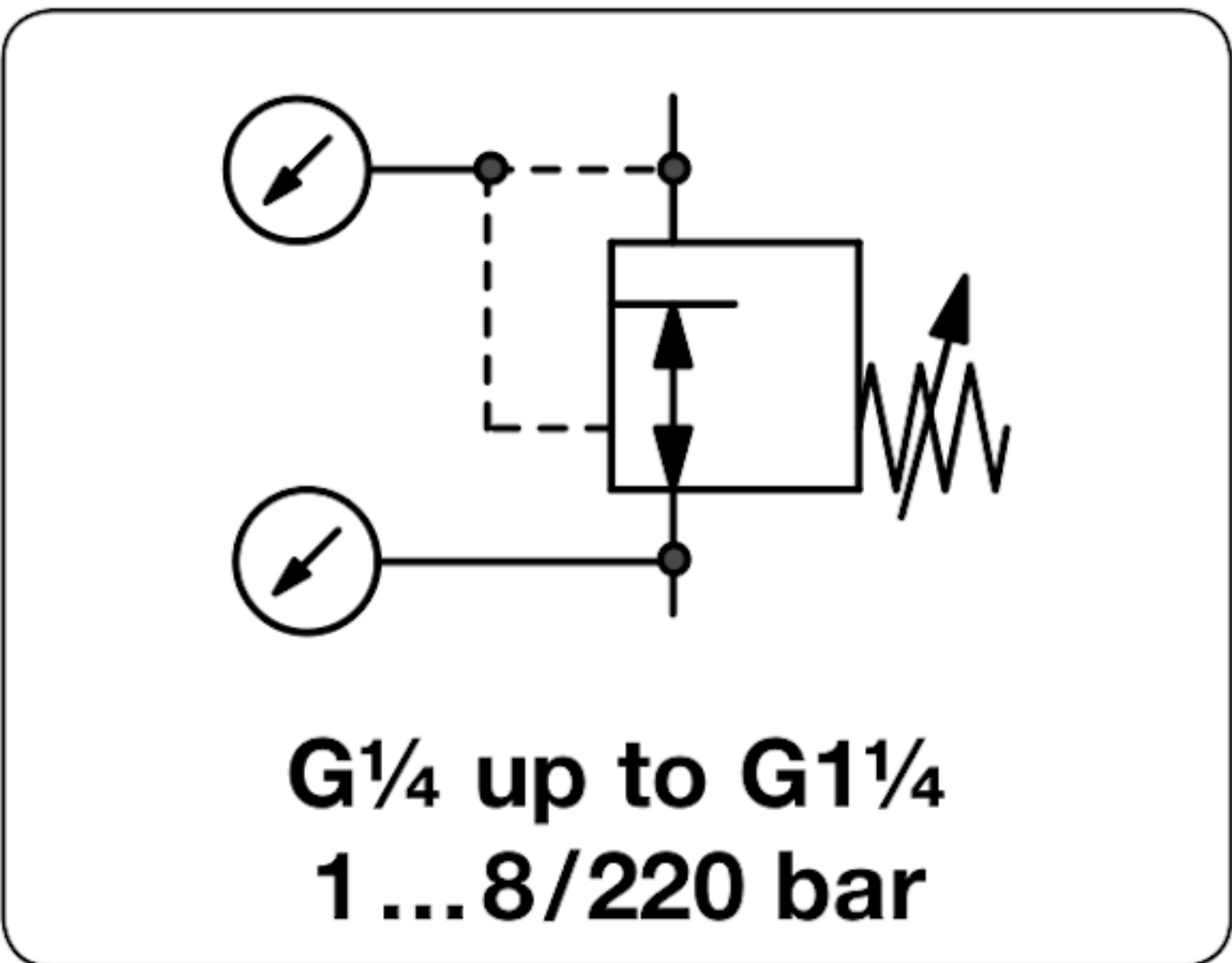


*1 at 200 bar supply pressure and 15 bar outlet pressure *2 max. 80 bar outlet pressure

high pressure regulator
series PR87



Description	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	RH10-02: by black plastic knob	all others: by T-handle with locknut	
Gauge port	All regulators are equipped with both one supply pressure gauge and one outlet pressure gauge.		
Safety 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		Mounting position any
Material	Body: brass, nickel-plated at RH10-02	Inlet filter: sintered bronze	
	Piston: brass at RH10-02	O-rings: EPDM or FKM, dependent on media	
	Valve seat: nylon		
	Diaphragm: stainless steel at RH10-02, NBR/Buna-N at all others		



Dimensions			Safety relief valve	K _v -value	Flow rate	Connection thread	Pressure range	Order number
A	B	C						
mm	mm	mm	S: with valve	(m³/h)	m³/h*1	l/min*1	inlet / outlet	bar

High pressure regulator 220 bar							non-relieving, for compressed air, pressure gauges supplied		RH10	
246	385	269	S	3.5	5000	80 000	G1 a /G1¼	1 ... 8	RH10-10A	
			S					1 ... 15	RH10-10B	
			S					3 ... 30	RH10-10C	
246	426	310	S					5 ... 50	RH10-10D	



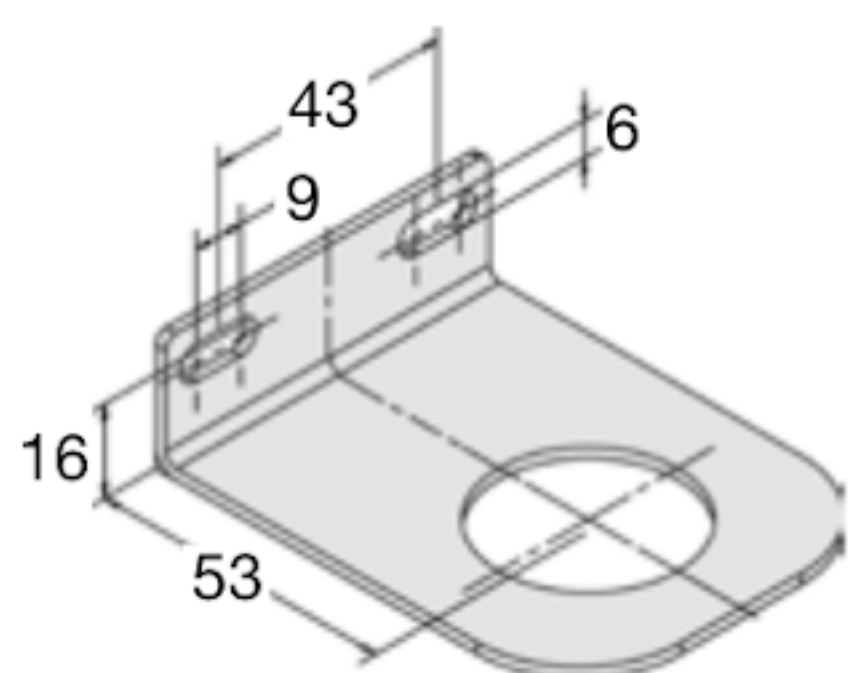
RH10-08B

Special options, add the appropriate letter

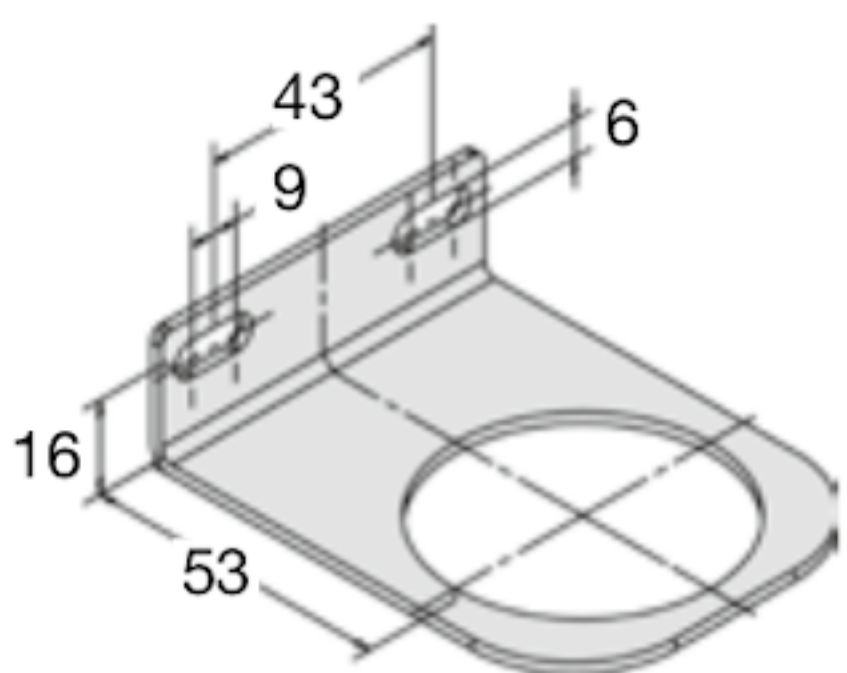
relieving diaphragm	with relieving function, for compressed air	RH10-...R
relieving piston	with relieving function, for compressed air	RH10-...R
FKM elastomer		RH10-...V
PTFE elastomer		RH10-...T
SST diaphragm	from RH10-03	RH10-...S
for panel mounting	for RH10-02 to -A3	RH10-...P
carbon dioxide *2	CO ₂	RH10-...03
argon	Ar	RH10-...05
nitrogen	N ₂	RH10-...07
helium	He	RH10-...09
hydrogen	H ₂	RH10-...11
methane	CH ₄	RH10-...13
oxygen	O ₂	RH10-...15
propane	C ₃ H ₈	RH10-...16
nitrous oxide	N ₂ O	RH10-...17
without flange connection		RH10-...X40

Accessories, enclosed

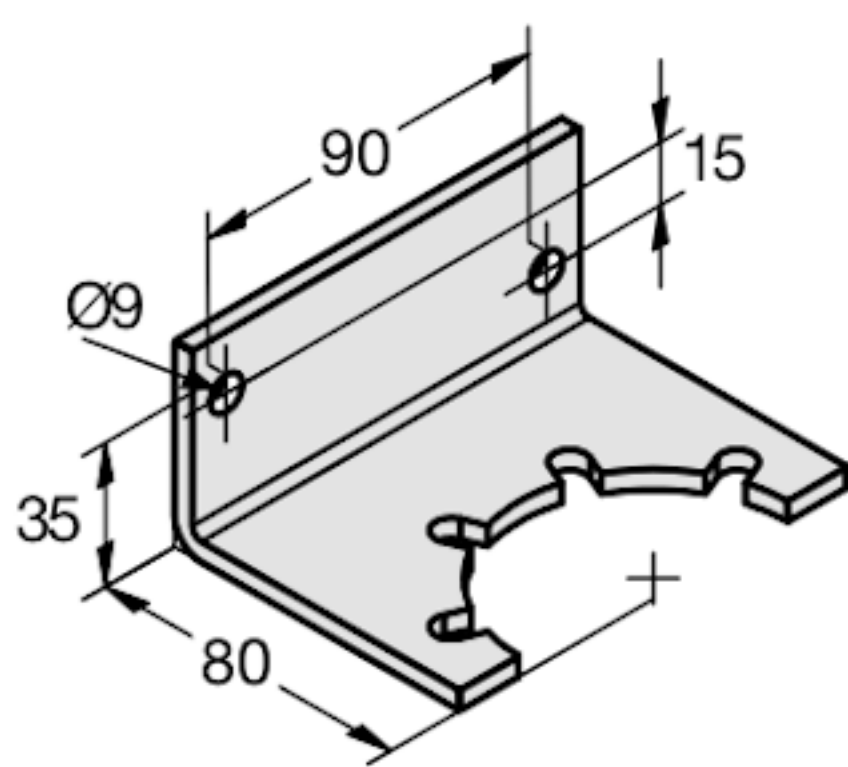
mounting bracket	made of stainless steel	for RH10-02	BW35-01S
mounting nut		for RH10-02	M35x1,5S
mounting bracket		for RH10-03 and -A3	BW50-01S
mounting nut		for RH10-03 and -A3	M50x1,5S
mounting bracket		for RH10-06	BW00-31S
		for RH10-08	BW00-35S



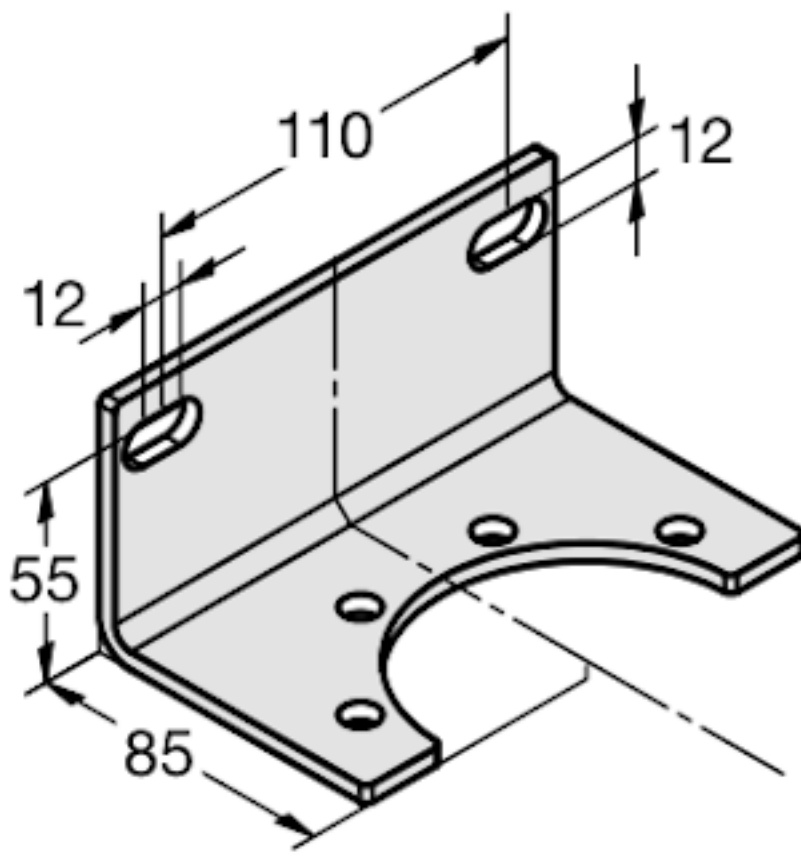
BW35-01S



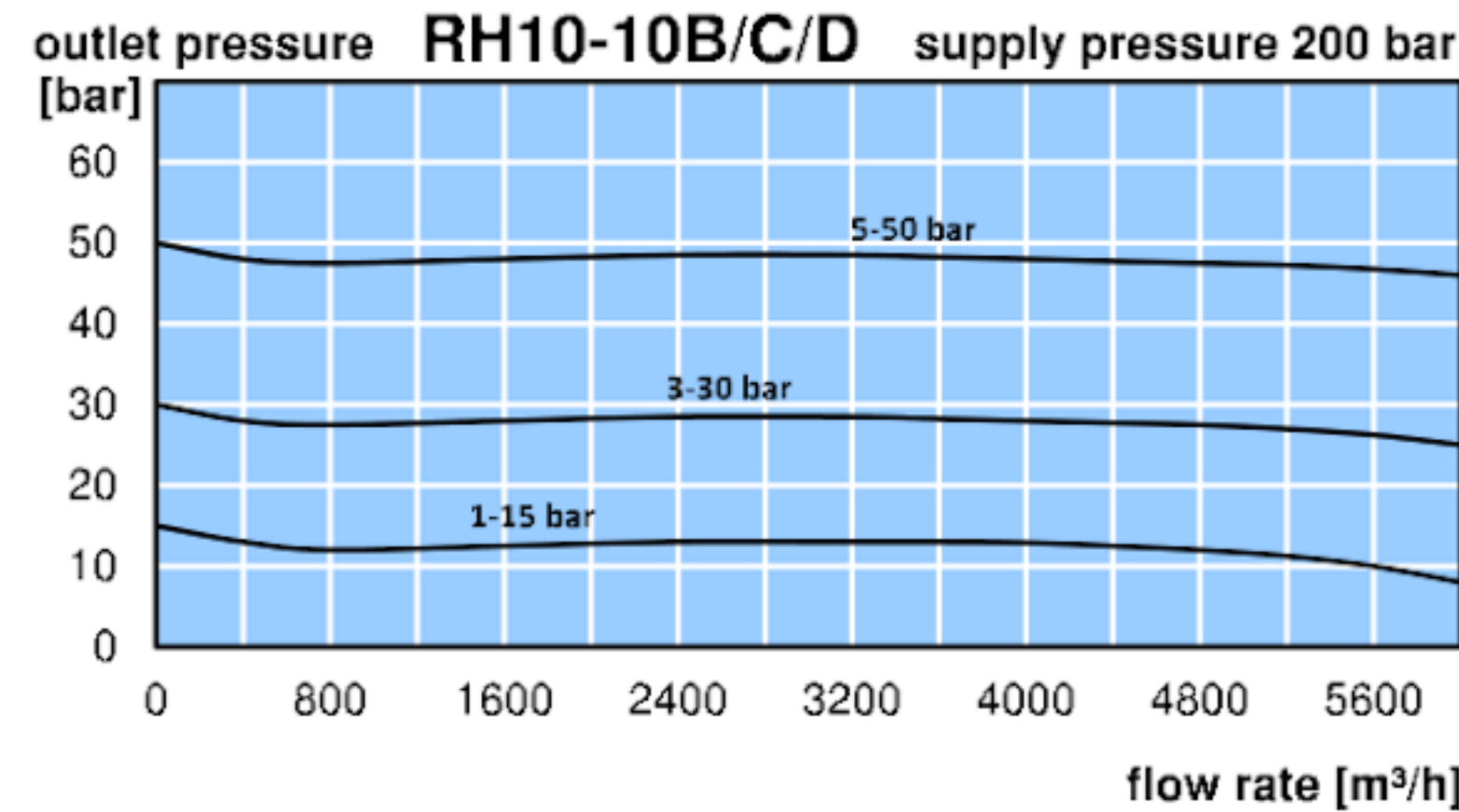
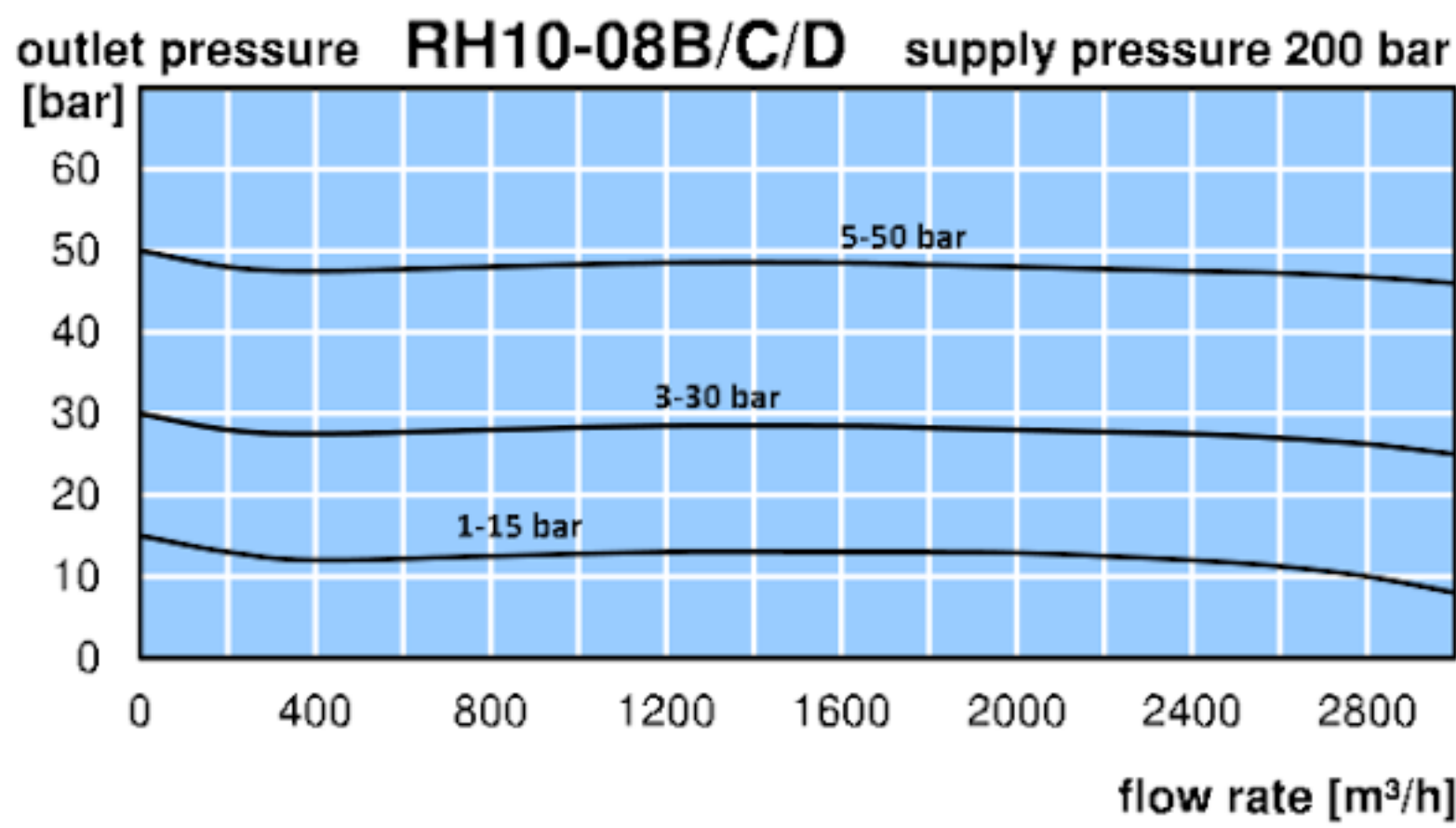
BW50-01S



BW00-31S



BW00-35S



*1 at 200 bar supply pressure and 15 bar outlet pressure

*2 max. 80 bar outlet pressure

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