

Cylinder Pressure Regulator



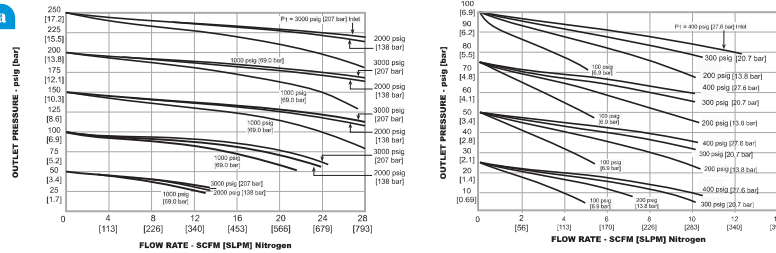
Features

- Good protection against burst and corrosion due to diaphragm material stainless steel
- Available in chrome plated brass, alloy
- Stable outlet pressure
- Gauge ports are standard
- Stable outlet pressure

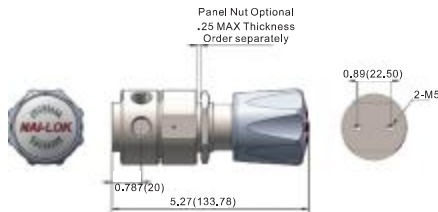
Technical Data

Ports	1/4"NPT
Design Proof Pressure	150%maximum rated pressure
Body Material	316 Stainless steel/Chrome plated brass
Bonnet Material	Stainless steel /Brass
Diaphragm	316 Stainless steel (standard)
Seat	PFA
Maximum Inlet Pressure	3500 psig(241 bar)/0-400 psig (0-27.5 bar)
Outlet Pressure Ranges	0-25 psig (0-1.7 bar)/0-50 psig (0-3.4bar)/0-250 psig (0-17.2 bar)/0-400psig (0-27.5 bar)
Operating Temperature	-40°F to 165°F(-40°C to 74°C)
Leakage	Internal:Bubble-tight External:Design to meet 2×10^{-8}atm cc /sec He
Flow Capacity	Cv=0,06
Standard Optional	CGA,relief valve,pressure gauges,etc

Flow Data



Dimension (mm)



Dimension drawings shown are for reference only.

Ordering Information

NR11	S	0	F	1	4	W			
Basic Series	Body Material	Outlet Pressure Ranges	Inlet And Outlet Port Type	Inlet Pressure	Port Type	Gauge	Option 1	Option 2	Option 3
NR11	C-Chrome plated brass S-316 Stainless steel HC-Hastelloy	0-0-25psig 0-1.7bar 1-0-50psig 0-3.4bar 2-0-100psig 0-6.9bar 3-0-250psig 0-17.2bar 4-0-400psig 0-27.5bar	F-NPTF	1-3500psig 241bar 2-500psig 34.5bar	3-3 Ports (inlet 500psig) 4-4 Ports 6-6 Ports	0-Without W-With	R-Relief valve (6 Ports only)	P-Panel nut	A-Assembled on panel

High Flow Regulator



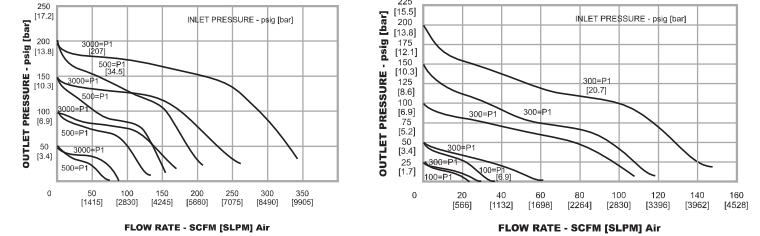
Features

- 316 Stainless steel body for corrosive gases
- Diaphragm type outlet pressure: 0-150psig (0-10.3bar)
- Piston type outlet pressure: 0-600psig (0-41.3bar)
- Gauge ports are standard
- Stable outlet pressure
- High flow rates

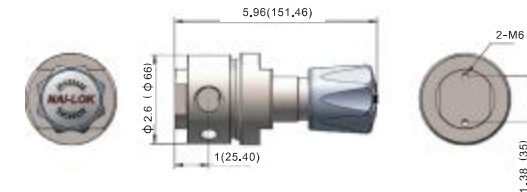
Technical Data

Ports	1/2"NPT
Design Proof Pressure	150%maximum rated pressure
Body Material	316 Stainless steel
Bonnet Material	316 Stainless steel
Diaphragm	316 Stainless steel (standard)
Seat	PFA
Maximum Inlet Pressure	3000 psig(207 bar)/500 psig(34.5 bar)
Outlet Pressure Ranges	0-25 psig (0-1.7 bar)10-50 psig (0-3.4 bar)10-100 psig (0-6.9 bar)10-200 psig (0-13.8 bar)
Operating Temperature	-40°F to 140°F(-40°C to 60°C)
Leakage	Internal Bubble-tight External:Design to meet 2×10^{-8}atm cc /sec He
Flow Capacity	Cv=1,0
Standard Optional	Inlet and outlet gauges

Flow Data



Dimension (mm)



Dimension drawings shown are for reference only.

Ordering Information

NR12	S	0	F	8	1	4	W
Basic Series	Body Material	Outlet Pressure Ranges	Inlet And Outlet Port Type	Inlet And Outlet Port Size	Inlet Pressure	Port Type	Gauge
NR12	S-316 Stainless steel	0-0-25psig 0-1.7bar 1-0-50psig 0-3.4bar 2-0-100psig 0-6.9bar 3-0-150psig 0-10.3bar 4-0-600psig 0-41.3bar	F -NPTF	8-1/2"	1-3000psig 207bar 2-500psig 34.5bar P-5000psig 345bar (piston type only)	3-3 Ports (inlet 500psig) 4-4 Ports	0-Without W-With

High Flow Regulator



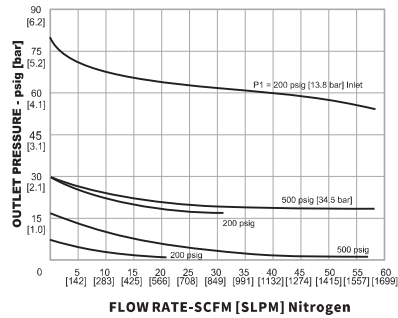
Features

- Accurate and designed to provide high flow at low control pressure
- Good protection against burst and corrosion
- Diaphragm type outlet pressure: 0-150psig (0-10.3bar)
- Piston type outlet pressure: 0-600psig (0-41.3bar)
- 316 Stainless steel body for corrosive gases
- Gauge ports are standard
- Stable outlet pressure

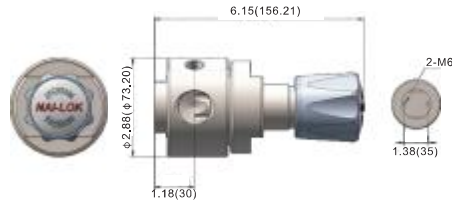
Technical Data

Ports	3/4"NPT
Design Proof Pressure	150%maximum rated pressure
Body Material	316 Stainless steel
Bonnet Material	316 Stainless steel
Diaphragm	316 Stainless steel (standard)
Seat	Teflon®
Maximum Inlet Pressure	3000 psig(207 bar)/500 psig(34.5 bar)
Outlet Pressure Ranges	0-25 psig (1.7 bar)/0-50 psig(3.4 bar)/0-150 psig (17.2 bar)
Operating Temperature	-40°F to 165°F(-40°C to 74°C)
Leakage	Internal:Bubble-tight External:Design to meet 2×10^{-8}atm cc/sec He
Flow Capacity	Cv=1.8
Standard Optional	Inlet and outlet gauges

Flow Data



Dimension (mm)



Dimension drawings shown are for reference only.

Ordering Information

NR13	S	0	F	12	1	4	W
Basic Series	Body Material	Outlet Pressure Ranges	Inlet And Outlet Port Type	Inlet And Outlet Port Size	Inlet Pressure	Port Type	Gauge
NR13	S-316 Stainless steel	0-0-25psig 0-1.7bar 1-0-50psig 0-3.4bar 2-0-100psig 0-6.9bar 3-0-150psig 0-10.3bar 4-0-600psig 0-41.3bar	F -NPTF	12-3/4	1-3000psig 207bar 2-500psig 34.5bar P-5000psig 345bar (piston type only)	3-3 Ports (inlet 500psig) 4-4 Ports	0-Without W-With

Features

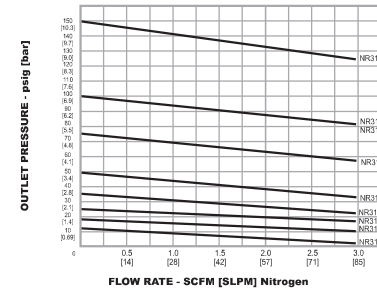
- Specially designed to regulate high pressure gas to low pressure status
- Provide a continuous accurate outlet pressure regardless of inlet pressure fluctuations
- Features a unique metal-to-metal diaphragm to body seal
- Diaphragms are convoluted for greater accuracy and sensitivity
- Available in chrome plated brass

Technical Data

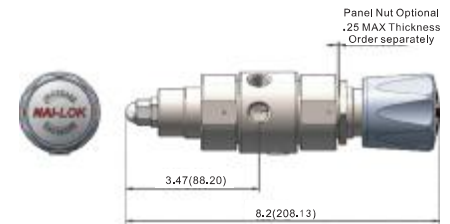
Ports	1/4"NPT
Design Proof Pressure	150%maximum rated pressure
Body Material	316 Stainless steel/Chrome plated brass
Bonnet Material	Stainless steel /Brass
Diaphragm	316 Stainless steel (standard)
Seat	PFA
Maximum Inlet Pressure	3500 psig(241 bar)
Outlet Pressure Ranges	0-25 psig (0-1.7 bar)/0-50 psig (0-3.4 bar)/0-100 psig (0-6.9 bar)/0-250 psig (0-17.2 bar)
Operating Temperature	-40°F to 165°F(-40°C to 74°C)
Leakage	Internal:Bubble-tight External:Design to meet 2×10^{-8}atm cc /sec He
Flow Capacity	Cv=0.05
Standard Optional	CGA, Inlet and outlet gauges, relief valve



Flow Data



Dimension (mm)



Dimension drawings shown are for reference only.

Ordering Information

NR31	S	0	F	4	1	4	W		
Basic Series	Body Material	Outlet Pressure Ranges	Inlet And Outlet Port Type	Inlet And Outlet Port Size	Inlet Pressure	Port Type	Gauge	Option 1	Option 2
NR31	C-Chrome plated brass S-316 Stainless steel	0-0-25psig 0-1.7bar 1-0-50psig 0-3.4bar 2-0-100psig 0-6.9bar 3-0-150psig 0-10.3bar 4-0-250psig 0-17.2bar	F-NPTF	4-1/4"	1-3500psi 241bar	4-4 Ports 5-5 Ports	0-Without W-With	R-Relief valve (5 ports only)	P-Panel nut

High Pressure Regulator



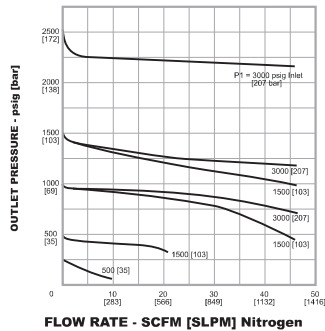
Features

- Compact design
- Available in chrome plated brass
- Numerous inlet and outlet porting options
- Excellent sensitivity through a wide range of pressure settings
- Piston-sensed design ensures safety and reliability

Technical Data

Ports	1/4"NPT
Design Proof Pressure	150%maximum rated pressure
Body Material	316 Stainless steel/Chrome plated brass
Bonnet Material	Stainless steel /Brass
Main Valve	316 Stainless steel
Seat	Teflon®
Maximum Inlet Pressure	5500 psig (379 bar)
Outlet Pressure Ranges	0-1000 psig (0-69 bar)/0-1500 psig (0-103 bar)/0-2500 psig (172 bar)
Operating Temperature	-15°F to 165°F (-26°C to 74°C)
Leakage	Bubble-tight
Flow Capacity	Cv=0.06

Flow Data



Dimension (mm)



Dimension drawings shown are for reference only.

Ordering Information

NR41	S	2	F	4	1	4	W	Option
Basic Series	Body Material	Outlet Pressure Ranges	Inlet And Outlet Port Type	Inlet And Outlet Port Size	Maximum Inlet Pressure	Port Type	Gauge	
NR41	C-Chrome plated brass S-316 Stainless steel	1-0-1000psig 0-69bar 2-0-1500psig 0-103bar 3-0-2500psig 0-172bar	F-NPTF	4-1/4"	1-5500psig 379bar	4-4 Ports	0-Without W-With	P-Panel nut

Ultra High Pressure Regulator

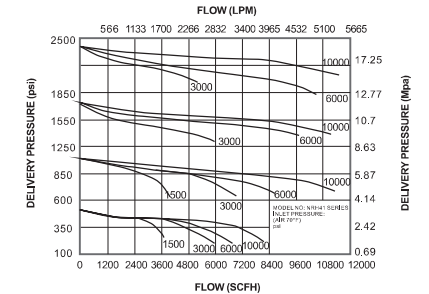
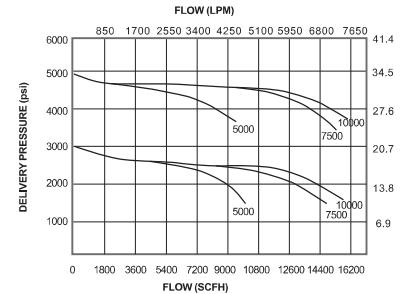
Features

- Piston-Sensed applicable for high pressure applications.
- Single stage configuration

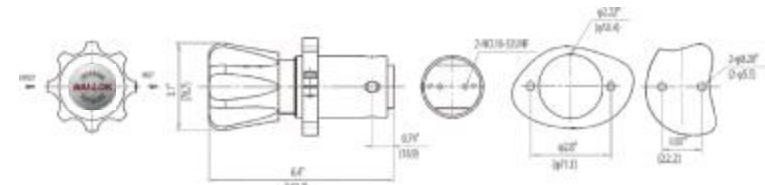
Technical Data

Body	316 Stainless Steel
Seat	PEEK
Piston	316 Stainless Steel
Adjusting Knob	ABS Plastic
Body Seal	Fluoro carbon FKM/PEEK
Flow Capacity	Cv=0,06

Flow Data



Dimension (mm)



Dimension drawings shown are for reference only.

Ordering Information

NRH41	S	2	F	2	4	W
Basic Series	Body Material	Outlet Pressure Ranges	Inlet And Outlet	Maximum Inlet Pressure	Port Type	Gauge
NRH41	S-316 Stainless steel	1-0-2500psig 0-172.4bar 2-0-4000psig 0-275bar	4-1/4"	1- 10000 psig 689bar 2- 6000 psig 414bar	4-4 Ports	0-Without W-With



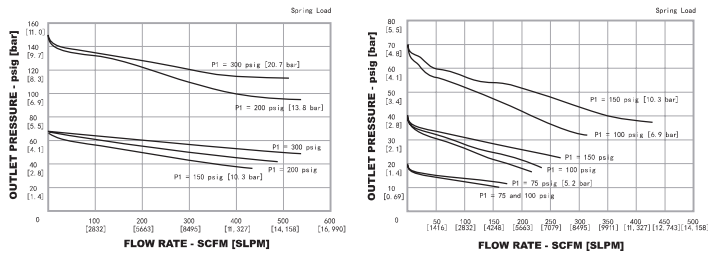
Features

- Accurately regulates pressure up to 150psig (10.3bar) for spring load
- High flow for pipeline application
- 4 ports flexible configuration
- Spring loaded handknob

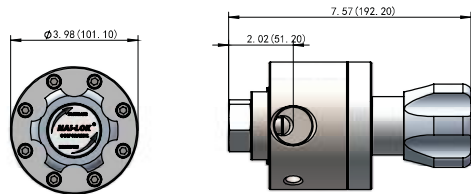
Technical Data

Ports	1"NPT
Design Proof Pressure	150% maximum rated pressure
Body Material	316 Stainless steel
Bonnet Material	316 Stainless steel
Diaphragm	Ethylene Propylene or Nylon Reinforced, Gylon® (PTFE)
Seat	Viton®, Chemraz®
Maximum Inlet Pressure	3000 psig (207 bar)/500 psig (34.5 bar)
Outlet Pressure Ranges	0-25 psig (0-1.7 bar)/0-50 psig (0-3.4 bar)/0-100 psig (0-6.9 bar)/0-150 psig (0-10.3 bar)
Operating Temperature	4°F to 165°F (-20°C to 74°C)
Leakage	Bubble-tight
Flow Capacity	Cv=5.0
Standard Optional	Tube fitting

Flow Data



Dimension (mm)



Dimension drawings shown are for reference only.

Ordering Information

NR61	S	2	F	16	1	3	W
Basic Series	Body Material	Outlet Pressure Ranges	Inlet And Outlet Port Type	Inlet And Outlet Port Size	Maximum Inlet Pressure	Port Type	Gauge
NR61	S-316 Stainless steel	0-0-25psig 0-1.7bar 1-0-50psig 0-3.4bar 2-0-100psig 0-6.9bar 3-0-150psig	F-NPTF	16-1"	1-3000psig 207bar 2-500psig 34.5bar	3-3 Ports (inlet 500psig) 4-4 Ports	0-Without W-With

Features

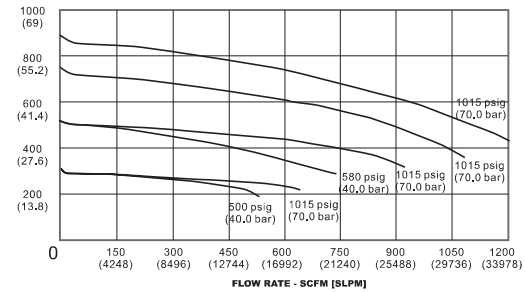
- Piston design
- Outlet pressure ranges
- High pressure high flow application
- 4 ports flexible configuration
- Stainless steel body for corrosive gases

Technical Data

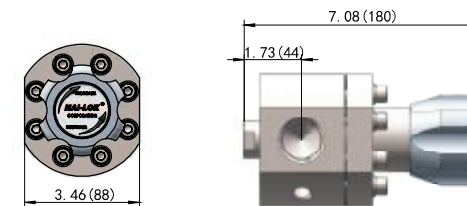
Ports	1"NPT
Design Proof Pressure	150% maximum rated pressure
Body Material	316 Stainless steel
Bonnet Material	316 Stainless steel
Diaphragm	Ethylene Propylene or Nylon Reinforced, Gylon® (PTFE)
Seat	Viton®, Chemraz®
Maximum Inlet Pressure	6000 psig (403 bar)
Outlet Pressure Ranges	0-300 psig (0-20.7 bar)/0-500 psig (0-34.5 bar) /0-1000 psig (68.9bar)
Operating Temperature	4°F to 165°F (-20°C to 74°C)
Leakage	Bubble-tight
Flow Capacity	Cv=5.0
Standard Optional	Tube fitting



Flow Data



Dimension (mm)



Dimension drawings shown are for reference only.

Ordering Information

NRH61	S	2	F	16	1	4	W
Basic Series	Body Material	Outlet Pressure Ranges	Inlet And Outlet Port Type	Inlet And Outlet Port Size	Maximum Inlet Pressure	Port Type	Gauge
NRH61	S-316 Stainless steel	0-0-300psi 0-20.7bar 1-0-500psi 0-34.5bar 2-0-1000psi	F-NPTF	16-1"	1-6000psig 414 bar	4-4 Ports	0-Without W-With

Back Pressure Regulator



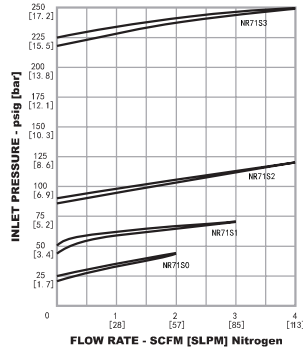
Features

- Back pressure regulators work similarly to relief valves but the emphasis is on steady state pressure control instead of on/off actuation
- Convuluted metal-to-metal sealed diaphragm
- Close pressure differential between crack and reseal
- Panel mounting nut option

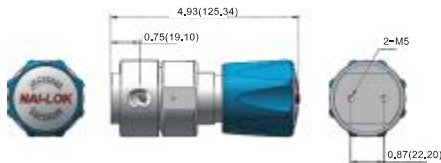
Technical Data

Ports	1/4"NPT
Design Proof Pressure	150% maximum rated pressure
Body Material	316 Stainless steel
Diaphragm	316 Stainless steel (standard)
Controlled Pressure Ranges	0-250 psig (17.2 bar)
Operating Temperature	-15°F to 165°F (-26°C to 74°C)
Fow Capacity	Cv=0.3
Standard Optional	Tube fitting

Flow Data



Dimension (mm)



Dimension drawings shown are for reference only.

Ordering Information

NR71	S	1	2	4	3	W
Basic Series	Body Material	Control Pressure Ranges	Inlet And Outlet Port Type	Inlet And Outlet Port Size	Port Type	Gauge
NR71	S-316 Stainless steel	1-0-250psig 0-17.2bar	2-NPTF	4-1/4"	3-3 Ports	0-Without W-With

High Flow Regulator

Features

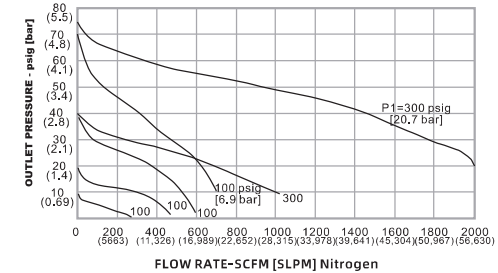
- High flow up to 1400scfm
- High flow for pipeline application
- 316 Stainless steel body for corrosive gases
- Spring loaded handknob

Technical Data

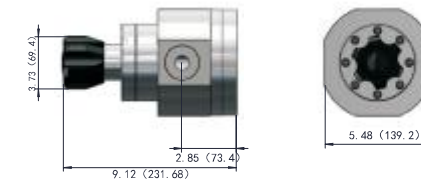
Ports	2"NPT
Design Proof Pressure	150%maximum rated pressure
Body Material	316 Stainless steel
Bonnet Material	Stainless steel
Diaphragm	Gylon®
Seat	Viton®,Buna-N
Maximum Inlet Pressure	300 psig (20.7 bar)
Outlet Pressure Ranges	0-25 psig (0-1.7 bar) / 0-50 psig (0-3.4 bar) / 0-100 psig (0-6.9 bar) / 0-150 psig (0-10.3 bar)
Operating Temperature	-10°F to 165°F(-23°C to 74°C)
Leakage	Bubble-light
Flow Capacity	Cv=10
Standard Optional	Tube fitting



Flow Data



Dimension (mm)



Dimension drawings shown are for reference only.

Ordering Information

DHG	S	2	F	50	1	2
Basic Series	Body Material	Outlet Pressure Ranges	Inlet And Outlet Port Type	Inlet And Outlet Port Size	Inlet Pressure	Gauge Port Options
DHG	S-316 Stainless steel	0-0-25psig 0-1.7bar 1-0-50psig 0-3.4bar 2-0-100psig 0-6.9bar	F -NPTF	50-2"	1-300psig 21 bar	2-2 Ports (no gauge port)

High Flow Regulator



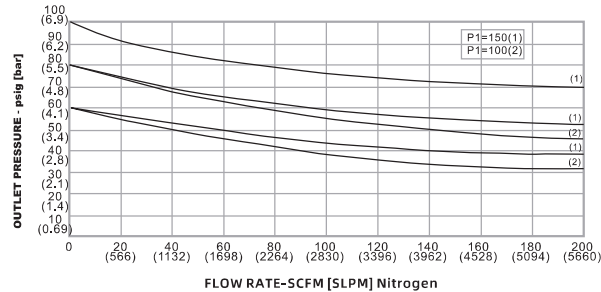
Features

- Accurately regulate pressure up to 130psig (8.9bar).
- High purity application.
- Performs well at very low pressure differential

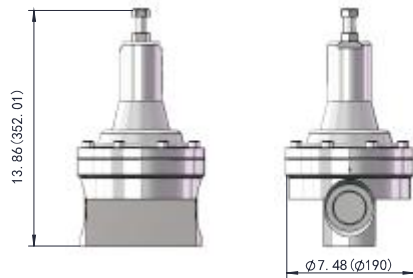
Technical Data

Maximum Rated Inlet Pressure	300 psig (21.2 bar)
Maximum Outlet Pressure	130 psig (8.9 bar)
Design Proof Pressure	150% maximum rated pressure
Body Material	316 Stainless steel
Operating Temperature.	-20°F to 150°F (-29°C to 65°C)
Flow Capacity	Cv=8.0
Weight	66 lbs (30 kg)
Surface Grade	BA (standard), Ra=10µin / Electropolishing,Ra=5µin

Flow Data



Dimension (mm)



Dimension drawings shown are for reference only.

Ordering Information

HRG90	S	1	F	1	2
Basic Series	Body Material	Control Pressure Ranges	Inlet And Outlet Port Type	Inlet Pressure	Port Type
HRG90	S-316	1-0-130psig	F-NPTF	1-300psig	2-2 Ports

Panel Regulator

Features

- Single stage.
- For purity,inert,reactive,flammable and oxidizing gas and gas mixtures.
- Laboratory pressure control
- Accept custom panel

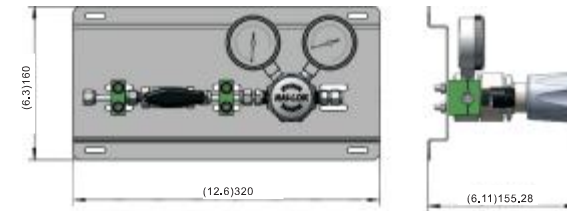
Technical Data

Body Material	316 Stainless steel
Inlet Pressure	Max.276 bar
Outlet Pressure	0-25 psig(1.7 bar)/0-50 psig (3.4 bar)10-100 psig (6.9 bar)/0-250 psig(17.2 bar)/0-2500 psig(172.4 bar)
Diaphragm (regulator)	316 Stainless steel (standard)
Operating Temperature	-40°F to 165°F(-40°C to 74°C)
Dimension (wxhxd)	320x160x153 mm
Weight	2.2KG
Inlet	1/4"FNPT
Outlet	1/4"FNPT
Optional	Relief valve,tube fitting



(Custom design,please consult us)

Dimension (mm)



Dimension drawings shown are for reference only.

Ordering Information

PRM	S	1	0	4F	4F	R	Gas Type
Basic Series	Body Material	Inlet Pressure	Outlet Pressure Range	Inlet Connection	Outlet Connection	Option	Gas Type
PRM	S-316 Stainless steel	1-4000 psig 276 bar	0-0-25psig 0-1.7bar 1-0-50psig 0-3.4bar 2-0-100psig 0-6.9bar 3-0-250psig 0-17.2bar 4-0-2500psi 0-172.4bar (NR41 Series)	4F-1/4"NPTF 4N-1/4"OD	4F-1/4"NPTF 4N-1/4"OD	R-Relief Valve (NR11 series)	Please specify