REGULATORS
RU100 Precision Regulator

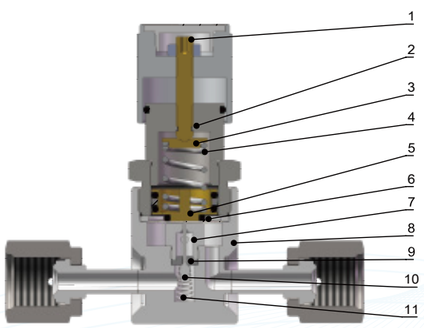
MANUAL ACTUATOR
- Round Handle

FEATURES
- Diaphragm type precision regulator with stable output pressure and high accuracy of pressure regulation
- SS 316L VIM-VAR valve body, suitable for corrosive and toxic gases
- Roughness of internal electrolytic polishing of runner: ⩽Ra0.1
- Suitable for ultra-high purity applications
- Designed and manufactured in strict compliance with SEMI UHP standards

TECHNICAL PARAMETERS

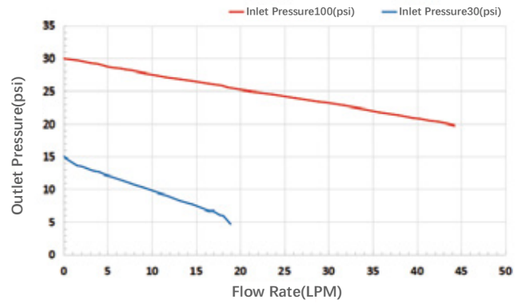
ITEM	DESP.
Valve Material	SS 316L /SS 316L VIM-VAR/SEMI F20 UHP
Seat Ring	• PCTFE:-40~71°C/ -40~348.8°F •PI: -10~150°C/ 14~302°F
Diaphragm	SS 316L / Hastelloy
Flow Coefficient (Cv)	Cv 0.06
Max. Inlet Pressure	150 psi / 1.03 Mpa
Outlet Pressure	0.5~30psi/ 0.003 ~0.2Mpa 1~60psi/0.07 ~0.41Mpa 1~100psi/0.07~6.9 barMpa
Design Verification Pressure	150% of Max. Rated Pressure
Design Burst Pressure	400% of Max. Rated Pressure
Flow Range	15 slpm~30 slpm
Port Type	• 1/4" Male/Female VCR Fitting • 1.125" C-Seal/W-Seal
Runner Surface Roughness	EP Ra ⩽0.125 μm (5 μin.), BA Ra⩽0.4 μm (16 μin.)
Leakage Rate (Helium)	• Internal:⩽1x10^{-7} atm.cc/Sec He • External:⩽1x10^{-9} atm.cc/Sec He
Cleaning	Continuous monitoring of deionized water and ultra-high purity cleaning using ultrasonic cleaning systems
Assembly Environment	In ISO Class 6 or Class 5/Federal Class 1000 or 100 cleanroom
Packaging Material	PE clean bag vacuum packaging

CONSTRUCTION

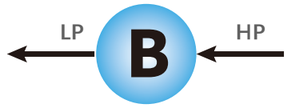


NO.	COMPONENTS	MATERIAL/SPECIFICATION
1	Pressure Adjusting Screw	C3602
2	Upper Cover	SS 316L
3	Spring Button	C3602
4	Pressure-adjusting Spring	G2
5	Diaphragm Plate	C3602
6	Diaphragm	SS 316L/C22
7	Spray Nozzle	SS 316L VIM-VAR
8	Body	SS 316L VIM-VAR
9	Valve Seat	PCTFE/PTFE
10	Stem	SS 316L VIM-VAR
11	Spring	SS 316L

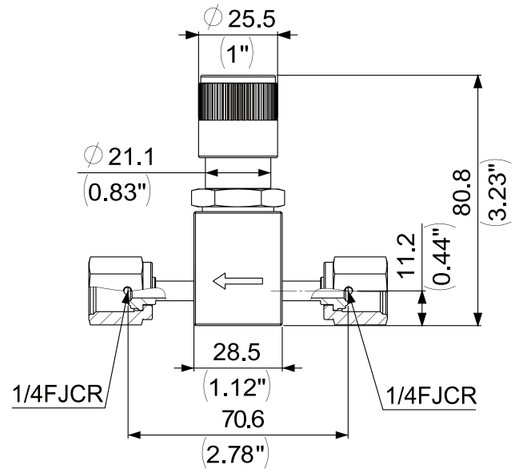
FLOW DATA

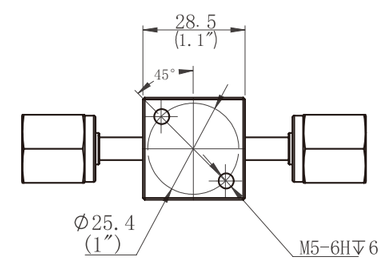


PORTING CONFIGURATIONS



DIMENSIONS (mm/inches for reference only)





ORDERING DESCRIPTION

RU100- A-30-TJCR 04-TJCR 04-SV-C-E

SERIES	INLET	OUTLET	PORT1 TYPE	PORT 1 SIZE	PORT 2 TYPE	PORT 2 SIZE	BODY MATERIAL	DIAPHRAGM	POLISHING
RU100	A 150psi	30 30psi 60 60psi 100 100psi	JCR Male VCR Fitting FJCR Female VCR Fitting	04 1/4"	Same as port 1 specification		SS SS 316L SV 316L VIM-VAR or meets SEMI F20 UHP requir	SS SS 316L C C22	E Electropolished

REGULATORS

RU110 Precision Regulator

MANUAL ACTUATOR

- Round Handle

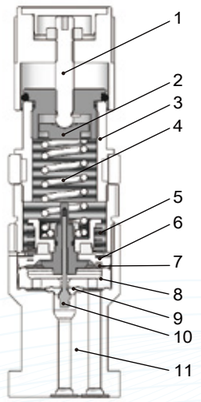
FEATURES

- Conforms to SEMI Modular Interface Specification
- Flow paths are springless for extremely low particle counts
- SS 316L VIM-VAR valve body for corrosive and toxic gases
- Roughness of flow path internal electrolytic polishing: ⩽ Ra0.1
- Suitable for ultra-high purity applications
- Designed and manufactured in strict compliance with SEMI UHP standards

TECHNICAL PARAMETERS

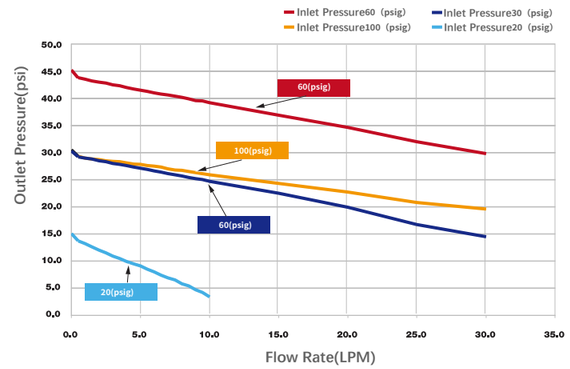
名称	参数
Valve Material	SS 316L VIM-VAR/SEMI F20 UHP
Valve Seat	• PCTFE:-40~71°C/ -40~348.8°F
Diaphragm	Hastelloy
Flow coefficient (Cv)	Cv 0.06
Maximum inlet pressure	150psig/1.03MPa
Outlet pressure	0-30psig 0-60psig
Design Proof Pressure	150% of maximum rated pressure
Design Burst Pressure	300 per cent of the maximum rated pressure
Port Type	• 1.5" C-Seal/W-Seal • 1.125" C-Seal/W-Seal
Flow Path Roughness	EP Ra ⩽0.125 μm (5 μin.), BA Ra⩽0.4 μm (16 μin.)
Leak Rate (Helium)	• Internal: ⩽$5x10^{-8}$ atm.cc/Sec He • External: ⩽$2x10^{-10}$ atm.cc/Sec He
Cleanliness	Continuous monitoring of deionized water and ultra-high purity cleaning using ultrasonic cleaning systems
Assembly Environment	In ISO Class 6 or Class 5/Federal Class 1000 or 100 cleanroom
Packaging Material	PE clean bag vacuum packaging

CONSTRUCTION

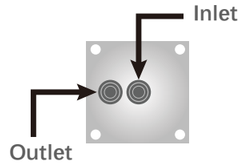


NO.	COMPONENTS	MATERIAL/SPECIFICATION
1	Pressure regulating screw	SS 316L
2	Spring button	POM plastics
3	Top cover	SS 316L
4	Pressure adjusting spring	piano wire
5	Wave spring	SS 631
6	Diaphragm plate	SS 316L
7	Diaphragm plate	Hastelloy
8	Nozzle	SS 316L VIM-VAR
9	Valve seat	PCTFE
10	Stem	SS 316L VIM-VAR
11	Female body	SS 316L VIM-VAR

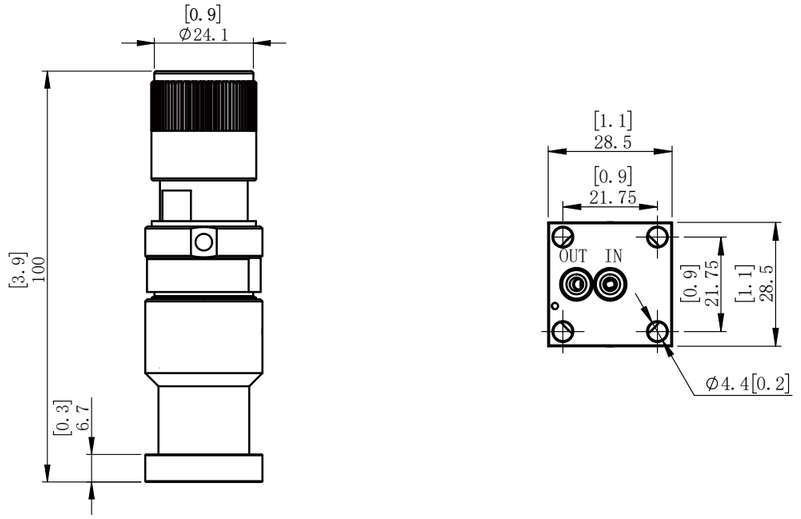
FLOW DATA



PORTING CONFIGURATIONS



DIMENSIONS (mm/inches for reference only)



ORDERING DESCRIPTION

RU110A - 60 - C4 - SV - C - E - PT

SERIES	INLET	OUTLET	PORT TYPE	BODY MATERIAL	DIAPHRAGM	POLISHING	SEAT MATERIAL
RU110	A 150psig	30 30psig 60 60psig	C4 1.125"C-seal C6 1.5"C-seal W4 1.125"W-seal W6 1.5"W-seal	SS SS 316L SV 316L VIM-VAR or meets SEMI F20 UHP requir	C Hastelloy	E Electrop-olished	PCTFE PT PTFE

REGULATORS

RU200 Low Flow Regulator

● MANUAL ACTUATOR

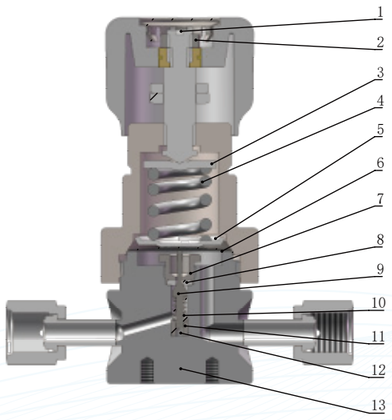
FEATURES

- Belonging to the diaphragm type small flow pressure reducer, the output pressure is stable,
- Especially suitable for gas analysis instruments, various high-purity gases, corrosive gases, and toxic gases.
- Strictly in accordance with the S E M I U H P class standards for design and manufacturing

TECHNICAL PARAMETERS

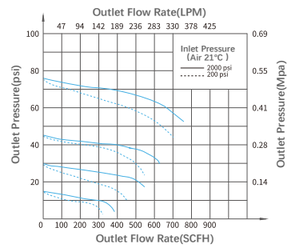
ITEM	DESP.
Valve Material	SS 316L /SS 316L VIM-VAR/SEMI F20 UHP
Seat Ring	• PCTFE:-10~80°C/ 14 ~176°F • PI: -10~150°C/14~302°F
Diaphragm	SS 316L / Hastelloy
Flow Coefficient (Cv)	Cv 0.14
Max. Inlet Pressure	500 psi /3.4 MPa 3000psi/20.6Mpa
Outlet Pressure	25/50/100/150/250/500psi 0.17/0.34/0.69/1.03/1.72/3.45Mpa
Design Verification Pressure	150% of Max. Rated Pressure
Design Burst Pressure	400% of Max. Rated Pressure
Port Type	1/4" Male/Female VCR Fitting
Runner Surface Roughness	EP Ra ⩽0.125 μm (5 μin.), BA Ra⩽0.4 μm (16 μin.)
Leakage Rate (Helium)	•Internal:⩽1x10^{-9} atm.cc/Sec He •External:⩽1x10^{-9} atm.cc/Sec He
Cleaning	Continuous monitoring of deionized water and ultra-high purity cleaning using ultrasonic cleaning systems
Assembly Environment	In ISO Class 6 or Class 5/Federal Class 1000 or 100 cleanroom
Packaging Material	PE clean bag vacuum packaging

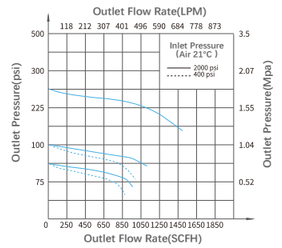
CONSTRUCTION



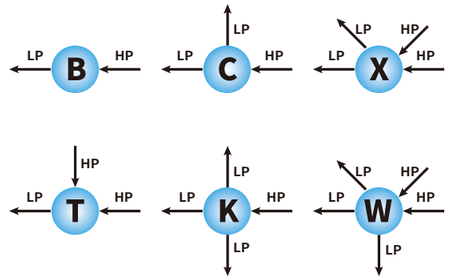
NO.	COMPONENTS	MATERIAL/SPECIFICATION
1	Pressure regulating screw	SS 304
2	Locking nut	SS 304
3	Spring button	SS 304
4	Pressure-adjusting spring	G2
5	Diaphragm plate	SS 304
6	diaphragm	SS 316L/C22
7	Spray nozzle	SS 316L
8	valve seat	PCTFE/PTFE
9	Valve stem	SS 316L
10	spring	SS 316L
11	Friction washer	PTFE
12	Washers	SS 316L
13	Body	SS 316L /SS 316L VIM-VAR/SEMI F20 UHP

FLOW DATA

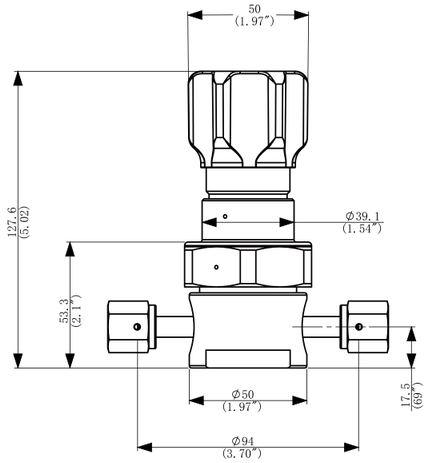


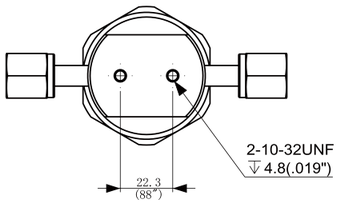


PORTING CONFIGURATIONS



DIMENSIONS (mm/inches for reference only)





ORDERING DESCRIPTION

RU200 B K -C- 100 - W-JCR 04-JCR 04-SV-C-E - P

SERIES	PORTING	SEAT	INLET	OUTLET	GAGE	PORT 1 TYPE	PORT 1 SIZE	BODY MATERIAL	DIAPHRAGM	POLISHING
RU200	B 2P C 3P X 4P T 3P K 4P W 5P	K PCTFE V Vespel PA PFA	C 500psi E 3000psi	25 25psi 50 50psi 100 100psi 150 150psi 250 250psi 500 500psi	W WITHOUT GAUGE P BAR/PSI PV BAR/PSI-30~ POSITIVE PRESSURE GAUGE	JCR Male VCR Fitting FJCR Female VCR Fitting	04 1/4"	SS SS 316L SV 316L VIM-VAR or meets SEMI F20 UHP requir	SS SS 316L C C22	E Electropo-lished mechanical polishing

PORT 2/3 TYPE	PORT 2/3 SIZE	INSTALL METHOD
Same as port 1 specification		P Panel installation

REGULATORS

RU210 Medium Flow Regulator

● MANUAL ACTUATOR

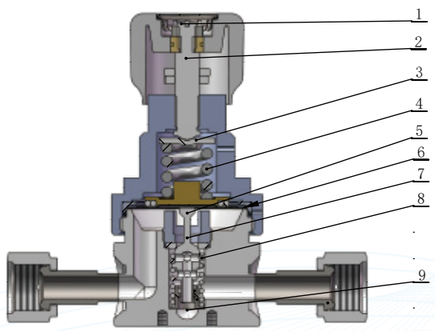
FEATURES

- Belonging to the diaphragm type medium flow pressure reducing valve, the output pressure is stable,
- The pressure reducing valve is strictly designed and manufactured in accordance with SEMI UHP level standards.
- Suitable for special gases in the semiconductor industry.

TECHNICAL PARAMETERS

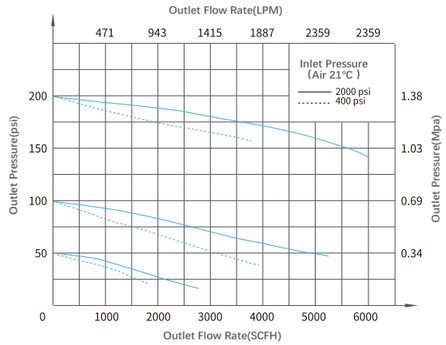
ITEM	DESP.
Valve Material	SS 316L / SS 316L VIM-VAR/SEMI F20 UHP
Seat Ring	• PCTFE:-10~80°C/ 14 ~176°F • PI: -10~150°C/ 14~302°F
Diaphragm	SS 316L / Hastelloy
Flow Coefficient (Cv)	Cv 1.1
Max. Inlet Pressure	• 500 psi /3.4 Mpa; • 3000psi/20.6 Mpa;
Outlet Pressure	25/50/100/150psi 0.17/0.34/0.69/1.03 Mpa
Design Verification Pressure	150% of Max. Rated Pressure
Design Burst Pressure	400% of Max. Rated Pressure
Port Type	1/2" Male/Female VCR Fitting
Runner Surface Roughness	EP Ra ⩽0.125 μm (5 μin.),BA Ra⩽0.4 μm (16 μin.)
Leakage Rate (Helium)	•Internal:⩽1x10^{-9} atm.cc/Sec He •External:⩽1x10^{-9} atm.cc/Sec He
Cleaning	Continuous monitoring of deionized water and ultra-high purity cleaning using ultrasonic cleaning systems
Assembly Environment	In ISO Class 6 or Class 5/Federal Class 1000 or 100 cleanroom
Packaging Material	PE clean bag vacuum packaging

CONSTRUCTION

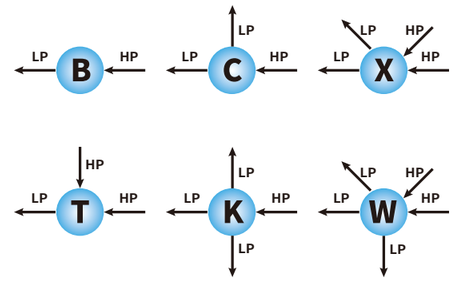


NO.	COMPONENTS	MATERIAL/SPECIFICATION
1	Locknuts	SS 304
2	Pressure regulating screw	SS 304
3	Spring Knob	Q235 (galvanised)
4	Regulating Spring	G2
5	Valve Stem	SS 316L
6	Diaphragm	SS 316L/Hastelloy
7	Nozzle	SS 316L
8	Reset Spring	SS 316L
9	Female body	SS 316L

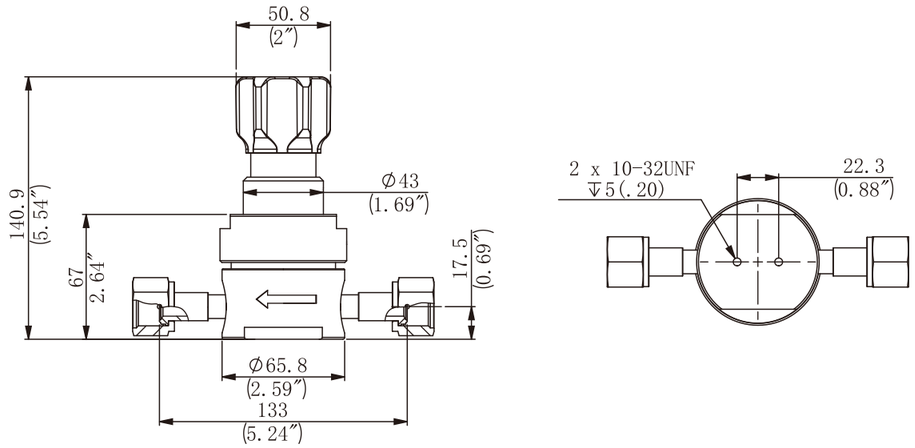
FLOW DATA



PORTING CONFIGURATIONS



DIMENSIONS (mm/inches for reference only)



ORDERING DESCRIPTION

RU210 B K -C- 100 - W-JCR 08-JCR 08-SV-C-E - P

SERIES	PORTING	SEAT	INLET	OUTLET	GAGE	PORT 1 TYPE	PORT 1 SIZE	BODY MATERIAL	DIAPHRAGM	POLISHING
RU210	B 2P C 3P X 4P T 3P K 4P W 5P	K PCTFE V Vespel PA PFA	C 500psi E 3000psi	25 25psi 50 50psi 100 100psi 150 150psi	W WITHOUT GAUGE P BAR/PSI GAUGE PV BAR/PSI-30-POSITIVE PRESSURE GAUGE	JCR Male VCR Fitting FJCR Female VCR Fitting	08 1/2” 12 3/4”	SS SS 316L SV 316L VIM-VAR or meets SEMI F20 UHP requir	SS SS 316L C C22	E Electropo-lished

PORT 2/3 TYPE	PORT 2/3 SIZE
Same as port 1 specification	

INSTALL METHOD
P Panel installation
Without

REGULATORS

RU220 Large Flow Regulator

● MANUAL ACTUATOR

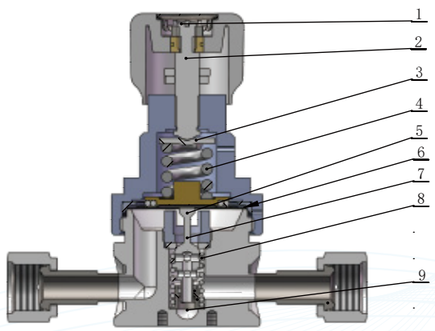
FEATURES

- Belonging to the diaphragm type high flow pressure reducing valve, the output pressure is stable,
- Strictly follow the S E M I U H P level standards for design and manufacturing.
- Suitable for the high-purity semiconductor industry.

TECHNICAL PARAMETERS

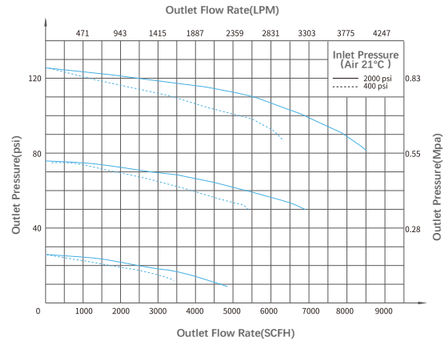
ITEM	DESP.
Valve Material	SS 316L /316L VIM-VAR/SEMI F20 UHP
Seat Ring	• PCTFE:-10~80°C/ 14 ~176°F • PI: -10~150°C/ 14~302°F
Diaphragm	SS 316L / Hastelloy
Flow Coefficient (Cv)	Cv 1.8
Max. Inlet Pressure	• 500 psi / 3.4 Mpa; • 3000psi/20.6 Mpa;
Outlet Pressure	25/50/100/150 psi 0.17/0.34/0.69/1.03 Mpa
Design Verification Pressure	150% of Max. Rated Pressure
Design Burst Pressure	400% of Max. Rated Pressure
Port Type	3/4" Male/Female VCR Fitting
Runner Surface Roughness	EP Ra ⩽0.125 μm (5 μin.), BA Ra⩽0.4 μm (16 μin.)
Leakage Rate (Helium)	•Internal:⩽1x10^{-9} atm.cc/Sec He •External:⩽1x10^{-9} atm.cc/Sec He
Cleaning	Continuous monitoring of deionized water and ultra-high purity cleaning using ultrasonic cleaning systems
Assembly Environment	In ISO Class 6 or Class 5/Federal Class 1000 or 100 cleanroom
Packaging Material	PE clean bag vacuum packaging

CONSTRUCTION

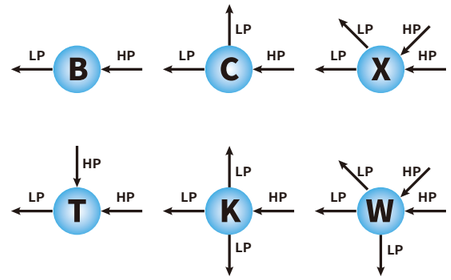


NO.	COMPONENTS	MATERIAL/SPECIFICATION
1	Locknuts	SS 304
2	Pressure regulating screw	SS 304
3	Spring Knob	Q235 (galvanised)
4	Regulating Spring	G2
5	Valve Stem	SS 316L
6	Diaphragm	SS 316L/Hastelloy
7	Nozzle	SS 316L
8	Reset Spring	SS 316L
9	Female body	SS 316L

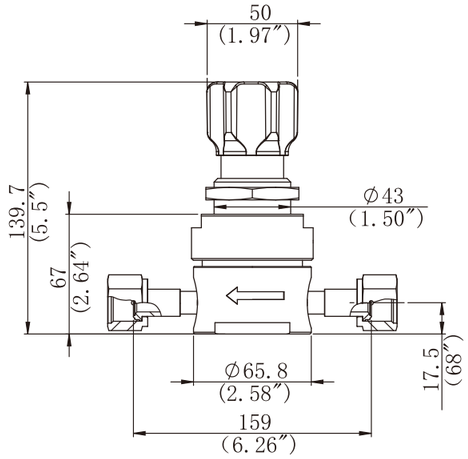
FLOW DATA

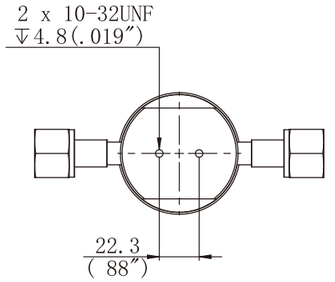


PORTING CONFIGURATIONS



DIMENSIONS (mm/inches for reference only)





ORDERING DESCRIPTION

RU220 B K -C- 100 - W-JCR 08-JCR 08-SV-C-E - P

SERIES	PORTING	SEAT	INLET	OUTLET	GAGE	PORT 1 TYPE	PORT 1 SIZE	BODY MATERIAL	DIAPHRAGM	POLISHING
RU220	B 2P C 3P X 4P T 3P K 4P W 5P	K PCTFE V Vespel PA PFA	C 500psi E 3000psi	25 25psi 50 50psi 100 100psi 150 150psi	W WITHOUT GAUGE P BAR/PSI GAUGE PV BAR/PSI-30~POSITIVE PRESSURE GAUGE	JCR Male VCR Fitting FJCR Female VCR Fitting	08 1/2” 12 3/4”	SS SS 316L SV 316L VIM-VAR or meets SEMI F20 UHP requir	SS SS 316L C C22	E Electropolished

PORT 2/3 TYPE	PORT 2/3 SIZE	INSTALL METHOD
Same as port 1 specification		P Panel installation Without

REGULATORS

RG200 Small Flow Regulator

● MANUAL ACTUATOR

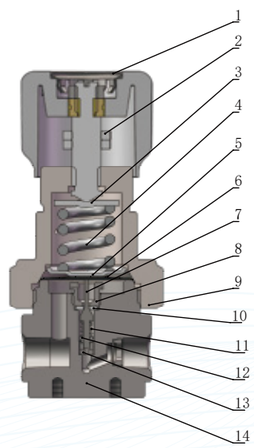
FEATURES

- It belongs to diaphragm type small flow rate pressure reducing valve with stable output pressure, which is especially suitable for gas analysis instruments and bulk gas transmission

TECHNICAL PARAMETERS

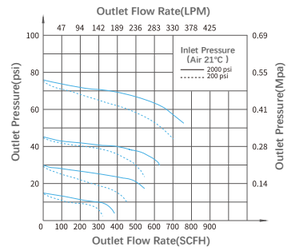
ITEM	DESP.
Valve Material	SS 316L
Seat Ring	• PCTFE:-10~80°C/ 14 ~176°F
Diaphragm	SS 316L
Flow Coefficient (Cv)	Cv 0.14
Max. Inlet Pressure	• 500 psi / 3.4 Mpa; • 800 psi / 5.5Mpa; • 3000psi / 20.6 Mpa
Outlet Pressure	25/50/100/150/250 psi 0.17/0.34/0.69/1.03/1.72 Mpa
Design Verification Pressure	150% of Max. Rated Pressure
Design Burst Pressure	400% of Max. Rated Pressure
Port Type	3/4"& 3/8" Female NPT Fitting
Runner Surface Roughness	EP Ra ⩽0.125 μm (5 μin.), BA Ra⩽0.4 μm (16 μin.)
Leakage Rate (Helium)	•Internal:⩽$1x10^{-8}$ atm.cc/Sec He •External:⩽$1x10^{-8}$ atm.cc/Sec He
Cleaning	Continuous monitoring of deionized water and ultra-high purity cleaning using ultrasonic cleaning systems
Assembly Environment	In ISO Class 6 or Class 5/Federal Class 1000 or 100 cleanroom
Packaging Material	PE clean bag vacuum packaging

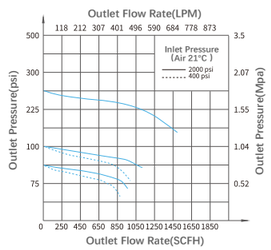
CONSTRUCTION



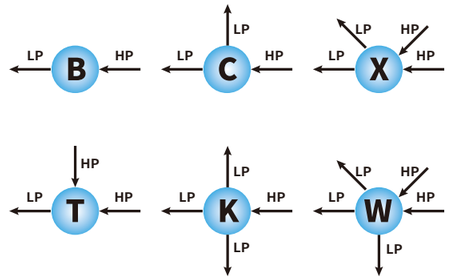
NO.	COMPONENTS	MATERIAL/SPECIFICATION
1	Pressure-adjusting Knob	ABS
2	Banking screw	SS 304
3	Spring button	SS Q235
4	Pressure-adjusting Spring	G2
5	Diaphragm Plate	A3
6	diaphragm	SS 316L
7	Valve stem	SS 316L
8	Spray Nozzle	SS 316L
9	Upper cover	SS 304
10	valve seat	PCTFE
11	spring	SS 316L
12	Friction washer	PTFE
13	Washers	SS 316L
14	Body	SS 316L

FLOW DATA

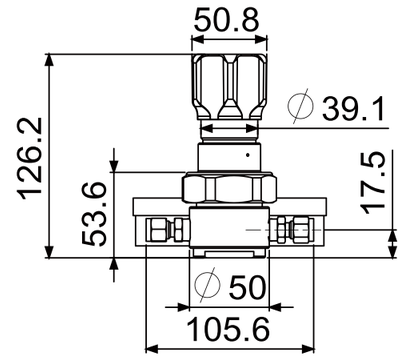


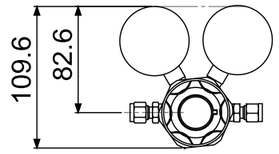


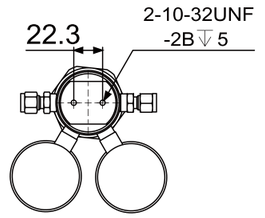
PORTING CONFIGURATIONS



DIMENSIONS (mm/inches for reference only)







ORDERING DESCRIPTION

RG200 B -C- 100 - W- Y- FNPT 04-FNPT 04-SS - P

SERIES	PORTING	INLET	OUTLET	GAGE	SAFETY VALVE	INLET PORT TYPE	LNLET PORT SIZE	BODY MATERIAL	INSTALL METHOD
RG200	B 2P C 3P X 4P T 3P K 4P W 5P	C 500psi G 800psi E 3000psi	25 25psi 50 50psi 100 100psi 150 160psi 250 250psi	W WITHOUT GAUGE P BAR/PSI GAUGE PV BAR/PSI-30~POSITIVE PRESSURE GAUGE	W WITHOUT Y WITH	FNPT 04 1/4" Female NPT Fitting 21 W21.8-14RH(F) 22 W21.8-14LH(F) 34 G3/4-14 58 G5/8-RH(F) C180 CGA180 C330 CGA330 C660 CGA660 OTHER CONNECTORS CAN BE CUSTOMIZED	04 1/4" 05 3/8"	SS SS 316L	P Panel installation Without

OUTLET PORT TYPE	OUTLET PORT SIZE
FNPT Female NPT Fitting	02 1/8" 04 1/4" 06 3/8" 08 1/2"
TF Tube Fitting	

REGULATORS

RG210 Medium Flow Regulator

● MANUAL ACTUATOR

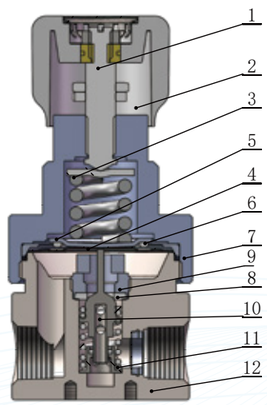
FEATURES

● Belonging to the diaphragm type medium flow pressure reducing valve, the output pressure is stable and suitable for bulk gases.

TECHNICAL PARAMETERS

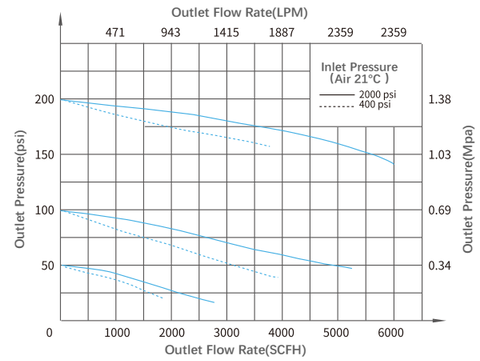
ITEM	DESP.
Valve Material	SS 316L
Seat Ring	• PCTFE:-10~80°C/ 14 ~176°F
Diaphragm	SS 316L
Flow Coefficient (Cv)	Cv 1.1
Max. Inlet Pressure	• 500 psi / 3.4 Mpa; • 3000psi /20.6 Mpa
Outlet Pressure	25/50/100/150psi 0.17/0.34/0.69/1.03Mpa
Design Verification Pressure	150% of Max. Rated Pressure
Design Burst Pressure	400% of Max. Rated Pressure
Port Type	1/2" Female NPT Fitting
Runner Surface Roughness	EP Ra ⩽0.125 μm (5 μin.), BA Ra⩽0.4 μm (16 μin.)
Leakage Rate (Helium)	• Internal: ⩽1x10^{-8} atm.cc/Sec He • External: ⩽1x10^{-8} atm.cc/Sec He
Cleaning	Continuous monitoring of deionized water and ultra-high purity cleaning using ultrasonic cleaning systems
Assembly Environment	In ISO Class 6 or Class 5/Federal Class 1000 or 100 cleanroom
Packaging Material	PE clean bag vacuum packaging

CONSTRUCTION

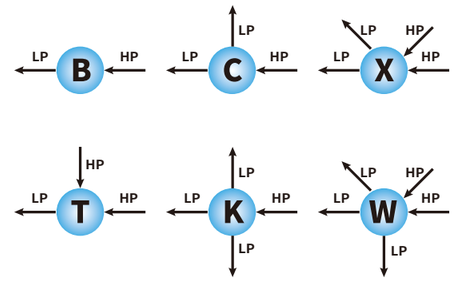


NO.	COMPONENTS	MATERIAL/SPECIFICATION
1	Pressure-adjusting screw	SS 304
2	Pressure-adjusting Knob	ABS
3	Pressure regulating spring	G2
4	diaphragm	SS 316L
5	Diaphragm plate	SS Q235
6	Washers	PTFE
7	Upper cover	SS 304
8	valve seat	PCTFE
9	Spray Nozzle	SS 316L
10	Valve stem	SS 316L
11	spring	SS 316L
12	valve body	SS 316L

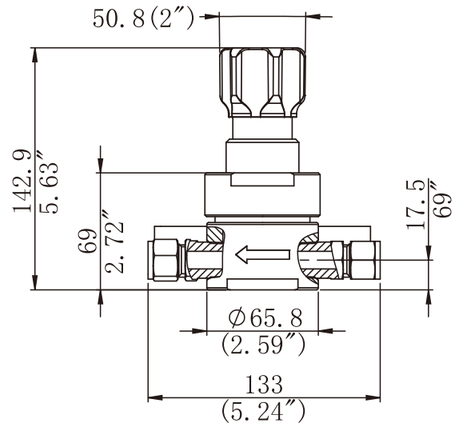
FLOW DATA

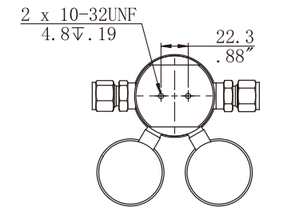


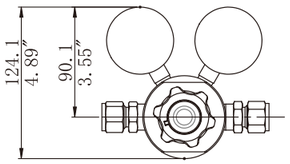
PORTING CONFIGURATIONS



DIMENSIONS (mm/inches for reference only)







ORDERING DESCRIPTION

RG210 B -C- 100 - W- Y- FNPT 08-FNPT 08-SR - P

SERIES	PORTING	INLET	OUTLET	GAGE	SAFETY VALVE	INLET PORT TYPE	LNLET PORT SIZE	BODY MATERIAL	PANEL MOUNTING
RG210	B 2P C 3P X 4P T 3P K 4P W 5P	C 500psi E 3000psi	25 25psi 50 50psi 100 100psi 150 150psi	W WITHOUT GAUGE P BAR/PSI GAUGE PV BAR/PSI-30~POSITIVE PRESSURE GAUGE	W WITHOUT Y WITH	FNPT Female NPT Fitting TF Tube Fitting	08 1/2"	SS SS 316L SV 316L VIM-VAR or meets SEMI F20 UHP requir	P Panel installation Without

OUTLET PORT TYPE	OUTLET PORT SIZE
Same as port 1 specification	

REGULATORS

RG220 High Flow Regulator

● MANUAL ACTUATOR

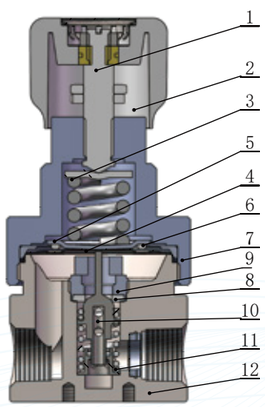
FEATURES

● They are diaphragm type medium flow pressure reducing valves with stable output pressure for bulk gases.

TECHNICAL PARAMETERS

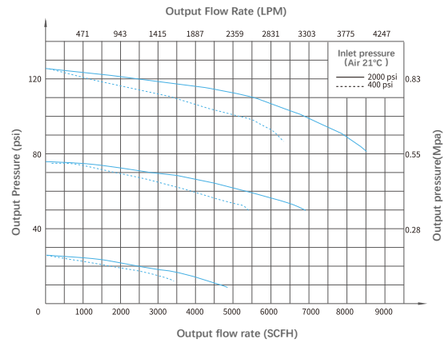
ITEM	DESP.
Valve Material	SS 316L
Valve Seat	• PCTFE:-10~80°C/ 14 ~176°F
Diaphragm	SS 316L
Flow coefficient (Cv)	Cv 1.8
Maximum inlet pressure	• 500 psi / 3.4 Mpa; • 3000psi / 20.6 Mpa
Outlet pressure	25/50/100/150psi 0.17/0.34/0.69/1.03Mpa
Design Proof Pressure	150%of Max. Rated Pressure
Design Burst Pressure	400%of Max. Rated Pressure
Port Type	3/4" Female NPT Fitting
Runner Surface Roughness	EP Ra ⩽0.125 μm (5 μin.), BA Ra⩽0.4 μm (16 μin.)
Leak Rate (Helium)	•Internal:⩽1x10^{-8} atm.cc/Sec He •External:⩽1x10^{-8} atm.cc/Sec He
Cleaning	Continuous monitoring of deionized water and ultra-high purity cleaning using ultrasonic cleaning systems
Assembly Environment	In ISO Class 6 or Class 5/Federal Class 1000 or 100 cleanroom
Packaging Material	PE clean bag vacuum packaging

CONSTRUCTION

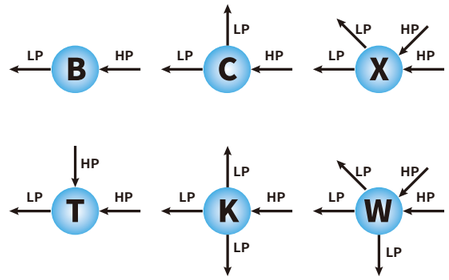


NO.	COMPONENTS	MATERIAL/SPECIFICATION
1	Pressure adjusting screw	SS 304
2	Pressure adjusting knob	ABS
3	Pressure regulating spring	G2
4	Diaphragm	SS 316L
5	Diaphragm plate	SS Q235
6	Washers	PTFE
7	Top cover	SS 304
8	Valve seat	PCTFE
9	Nozzle	SS 316L
10	Valve stem	SS 316L
11	Spring	SS 316L
12	Valve body	SS 316L

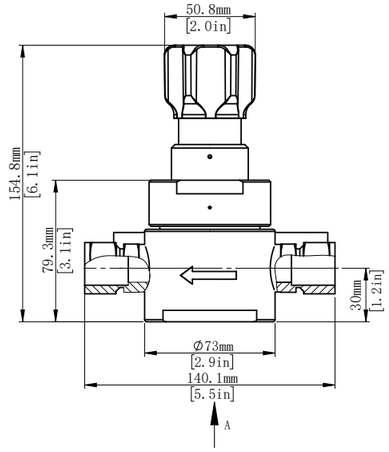
FLOW DATA

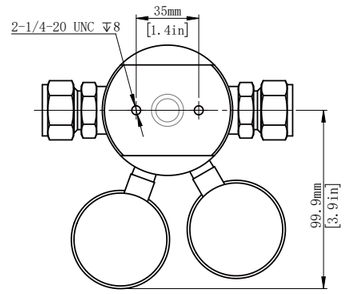


PORTING CONFIGURATIONS



DIMENSIONS (mm/inches for reference only)





ORDERING DESCRIPTION

RG220 B -C- 100 - W- Y- FNPT 12-FNPT 12-SS - P

SERIES	PORTING	INLET	OUTLET	GAGE	SAFETY VALVE	INLET PORT TYPE	LNLET PORT SIZE	BODY MATERIAL	PANEL MOUNTING
RG220	B 2P C 3P X 4P T 3P K 4P W 5P	C 500psi E 3000psi	25 25psi 50 50psi 100 100psi 150 150psi	W WITHOUT GAUGE P BAR/PSI GAUGE PV BAR/PSI-30~POSITIVE PRESSURE GAUGE	W WITHOUT Y WITH	FNPT Female NPT Fitting TF Tube Fitting	12 3/4"	SS SS 316L SV 316L VIM-VAR or meets SEMI F20 UHP requir	P Panel Mounting Without

OUTLET PORT TYPE	OUTLET PORT SIZE
Same as port 1 specification	