

### Product Features

- Wall-mounting tapping points
- VSR-1L / VSR-6L series single-stage regulator
- Brass chrome plated body and bonnet for non-corrosive gases and mixtures up to grade 6.0
- Stainless steel 316L body and bonnet for corrosive gases
- Modular design
- Diaphragm type shut-off valves
- Suitable for inlet pressure up to 100 bar
- Tested for use with oxygen

### Typical Applications

- Component Testing
- Calibration Systems
- Laboratory Pressure Control
- High Pressure Sampling Systems
- Service & Test Equipment

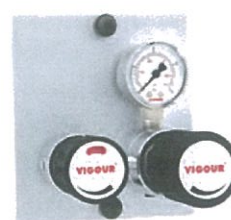
### Technical Data

Type:	single-stage
Inlet pressure P <sub>1</sub> :	max. 100 bar
Outlet pressure P <sub>2</sub> :	2/4/10/20/50 bar
Materials:	
Body regulator and valves:	see ordering info
Valve seat (regulator):	PCTFE
(shut-off valve):	PEEK
Diaphragm(regulator):	Hastelloy® C276
(valve):	Hastelloy® C276
Filter:	SS 316L
Temperature range:	-30°C to +74°C
Leak rate (to atmosphere):	1x10 <sup>-8</sup> mbar l/s He
(via seat):	1x10 <sup>-6</sup> mbar l/s He
Flow capacity:	Cv=0.14(Diaphragm)
	Cv=0.06(Piston)
Weight:	2.5 kg

## VSR-1T Series

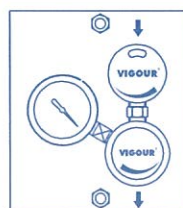


"A" type

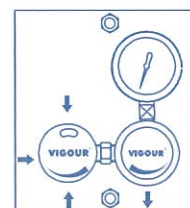


"B" type

### Schematic Drawing

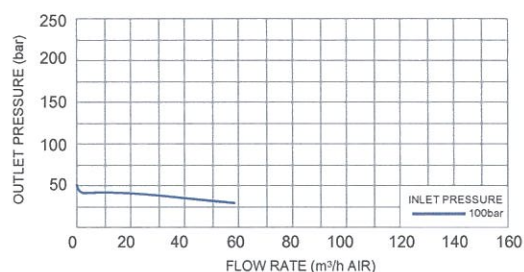
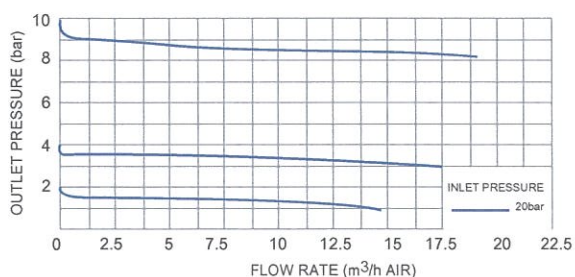


"A" type:  
Top-inlet



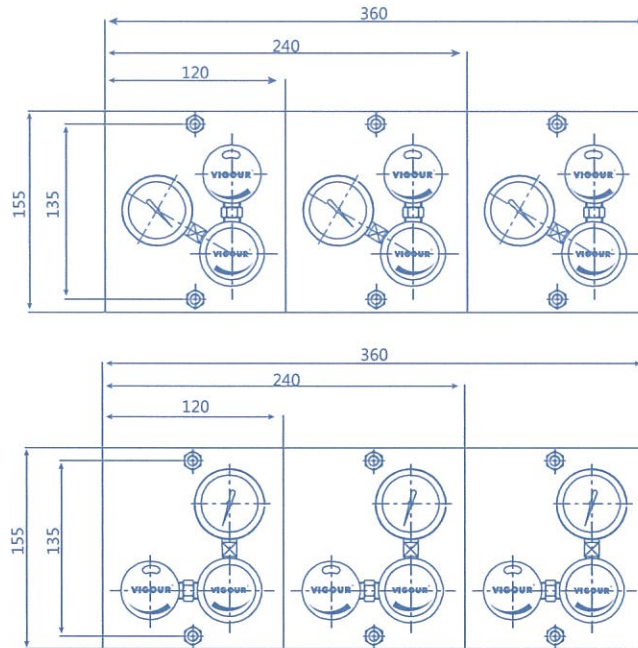
"B" type:  
Top-inlet ; Bottom-inlet ; Side-inlet

### Flow Chart



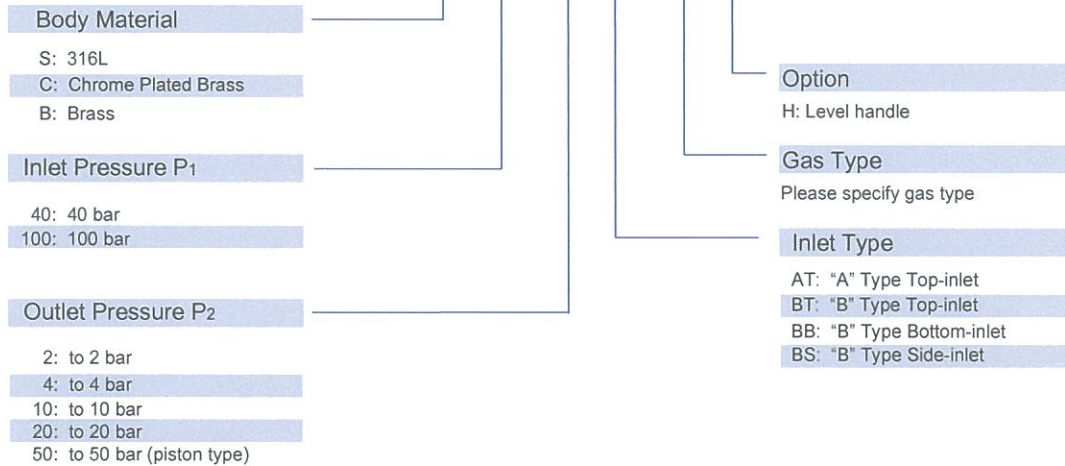
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## Dimensions (mm)



## Ordering Information:

**VSR - 1TS - 100 - 10 - AT - N<sub>2</sub> - H**



### Product Features

- Wall-mounting tapping points
- VSR-2L series single-stage regulator
- Brass chrome plated body for non-corrosive gases and mixtures up to grade 6.0
- Stainless steel 316L body for corrosive gases
- Modular design
- Diaphragm type shut-off valves
- Suitable for inlet pressure up to 100 bar
- Tested for use with oxygen

### Typical Applications

- Component Testing
- Calibration Systems
- Laboratory Pressure Control
- High Pressure Sampling Systems
- Service & Test Equipment

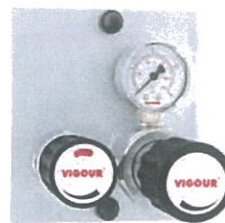
### Technical Data

Type:	single-stage
Inlet pressure P <sub>1</sub> :	max. 100 bar
Outlet pressure P <sub>2</sub> :	2/4/10/20/35/50 bar
Materials:	
Body regulator and valves:	see ordering info
Valve seat (regulator):	PCTFE
(shut-off valve):	PEEK
Diaphragm (regulator):	Hastelloy® C276
(valve):	Hastelloy® C276
O-ring:	Viton® (FKM)
(option)	Kalrez® (FFKM)
Filter:	SS 316L
Temperature range:	-30°C to +74°C
Leak rate (to atmosphere):	1x10 <sup>-8</sup> mbar l/s He
(via seat):	1x10 <sup>-6</sup> mbar l/s He
Flow capacity:	
(Outlet pressure:2/4/10/20 bar)	C <sub>v</sub> =0.28
(Outlet pressure:35/50 bar)	C <sub>v</sub> =0.08
Weight:	3.5 kg

## VSR-2T Series

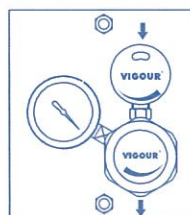


"A" type

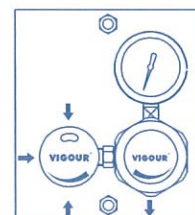


"B" type

### Schematic Drawing

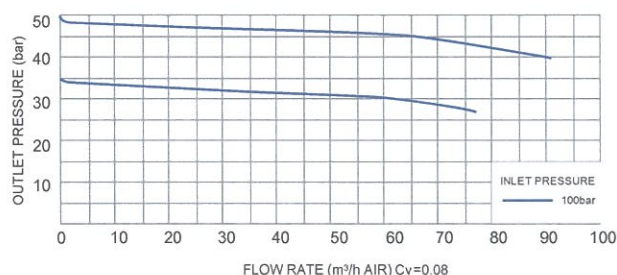
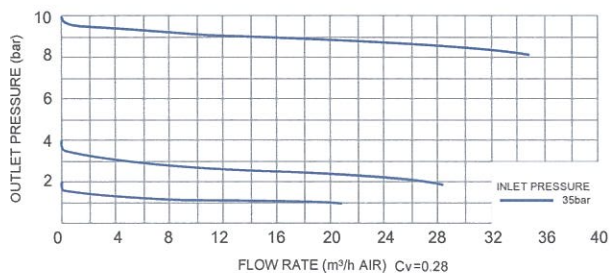


"A" Type:  
Top-inlet



"B" Type:  
Top-inlet ; Bottom-inlet ; Side-inlet

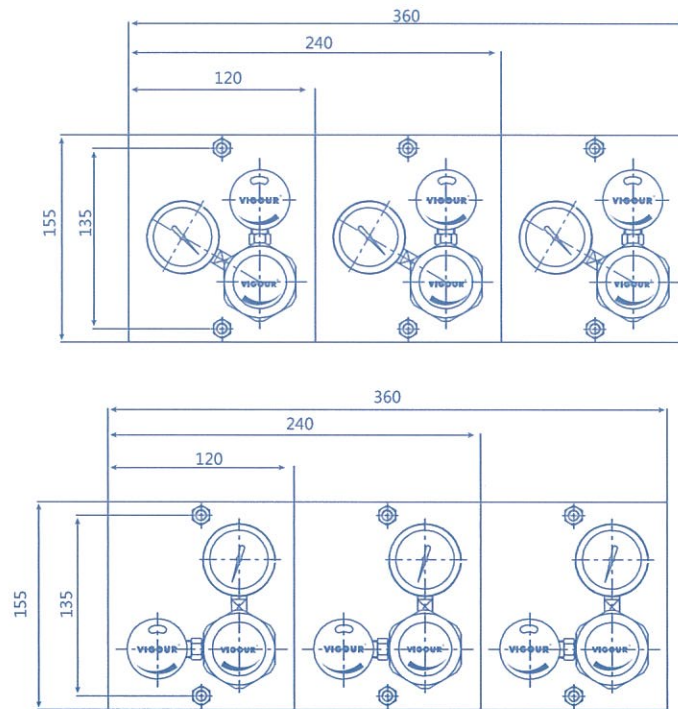
### Flow Chart





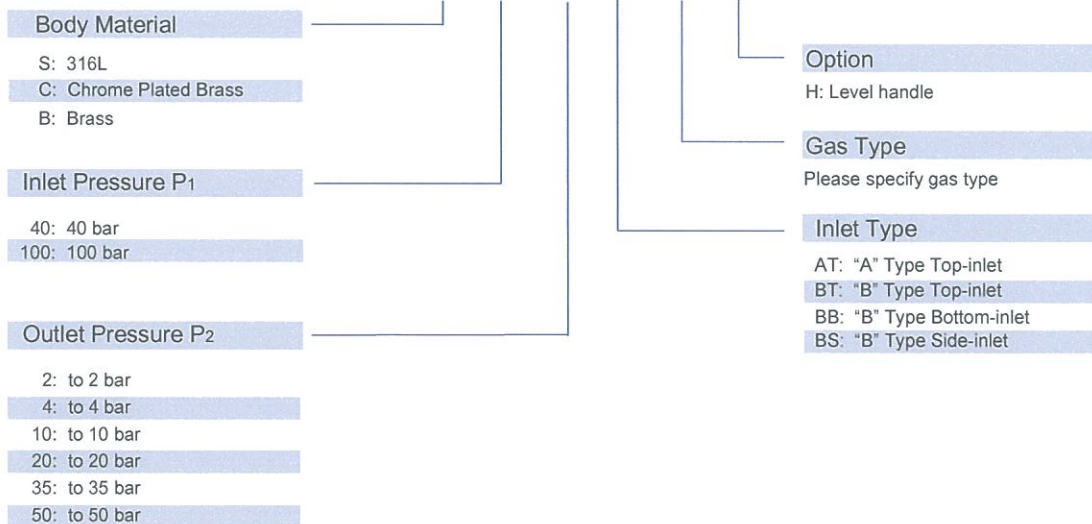
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## Dimensions (mm)



## Ordering Information:

**VSR - 2TS - 100 - 10 - AT - N<sub>2</sub> - H**



### Product Features

- Wall-mounting tapping points
- VSR-1L / VSR-6L series single-stage regulator
- Brass chrome plated body and bonnet for non-corrosive gases and mixtures up to grade 6.0
- Stainless steel 316L body and bonnet for corrosive gases
- Modular design
- Diaphragm type shut-off valves
- Suitable for inlet pressure up to 100 bar
- Tested for use with oxygen

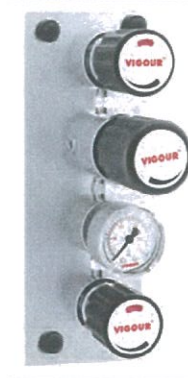
### Typical Applications

- Component Testing
- Calibration Systems
- Laboratory Pressure Control
- High Pressure Sampling Systems
- Service & Test Equipment

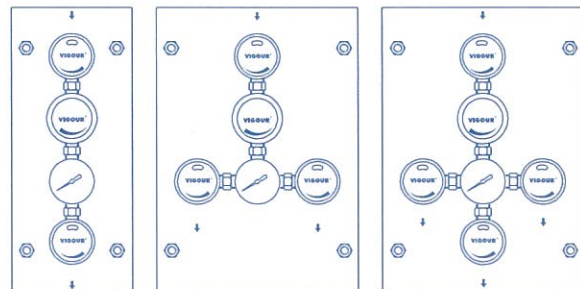
### Technical Data

Type:	single-stage
Inlet pressure P <sub>1</sub> :	max. 100 bar
Outlet pressure P <sub>2</sub> :	2/4/10/20/50 bar
<b>Materials:</b>	
Body regulator and valves:	see ordering info
Valve seat (regulator):	PCTFE
(shut-off valve):	PEEK
Diaphragm(regulator):	Hastelloy® C276
(valve):	Hastelloy® C276
Filter:	SS 316L
Temperature range:	-30°C to +74°C
Leak rate: (to atmosphere)	1x10 <sup>-8</sup> mbar l/s He
(via seat)	1x10 <sup>-6</sup> mbar l/s He
Flow capacity:	Cv=0.14(Diaphragm)
	Cv=0.06(Piston)
Weight:	4.1kg ~ 5.7kg

## VSR-1TG Series



### Schematic Drawing

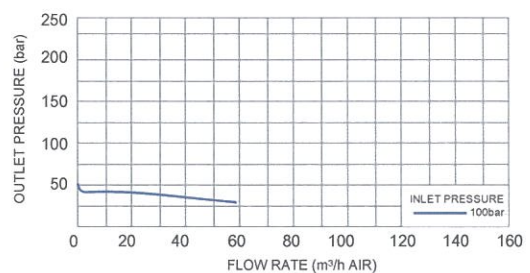
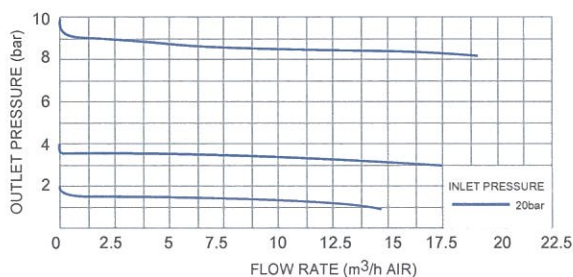


"A" Type:  
Single outlet

"B" Type:  
Dual outlet

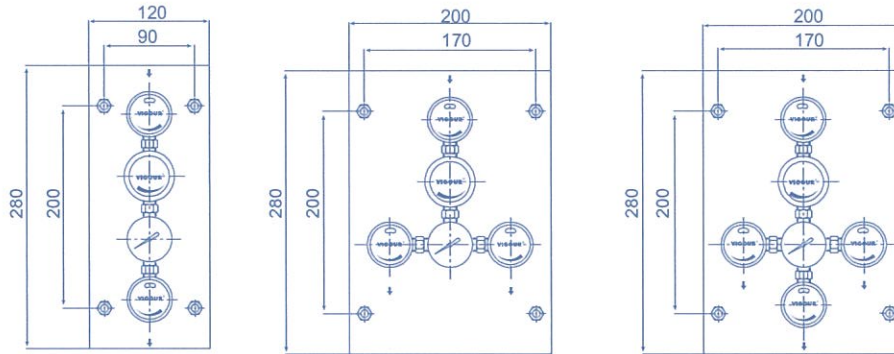
"C" Type:  
Triple outlet

### Flow Chart



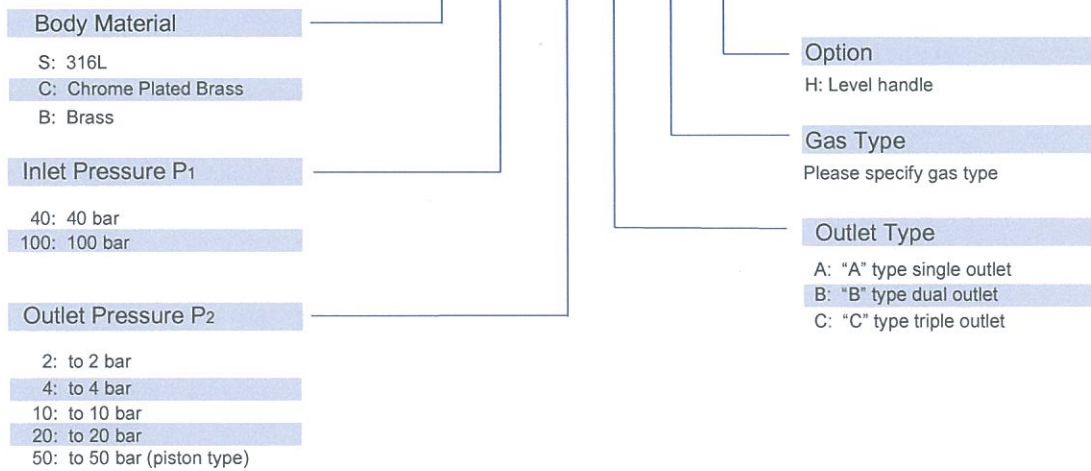
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### Dimensions (mm)



### Ordering Information:

**VSR - 1TGS - 100 - 10 - A - N<sub>2</sub> - H**



### Product Features

- Wall-mounting tapping points
- VSR-2L series single-stage regulator
- Stainless steel 316L body for corrosive gases
- Modular design
- Diaphragm type shut-off valves
- Suitable for inlet pressure up to 100 bar
- Tested for use with oxygen

### Typical Applications

- Component Testing
- Calibration Systems
- Laboratory Pressure Control
- High Pressure Sampling Systems
- Service & Test Equipment

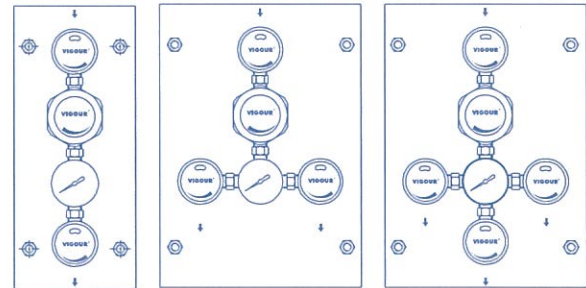
### Technical Data

Type:	single-stage
Inlet pressure P <sub>1</sub> :	max. 100 bar
Outlet pressure P <sub>2</sub> :	2/4/10/20/35/50 bar
Materials:	
Body regulator and valves:	see ordering info
Valve seat (regulator):	PCTFE
(shut-off valve):	PEEK
Diaphragm(regulator):	Hastelloy® C276
(valve):	Hastelloy® C276
O-ring:	Viton® (FKM)
(option)	Kalrez® (FFKM)
Filter:	SS 316L
Temperature range:	-30°C to +74°C
Leak rate: (to atmosphere)	1x10 <sup>-8</sup> mbar l/s He
(via seat)	1x10 <sup>-6</sup> mbar l/s He
Flow capacity:	
(Outlet pressure:2/4/10/20 bar)	C <sub>v</sub> =0.28
(Outlet pressure:35/50 bar)	C <sub>v</sub> =0.08
Weight:	4.5kg ~ 6.9kg

## VSR-2TG Series



### Schematic Drawing

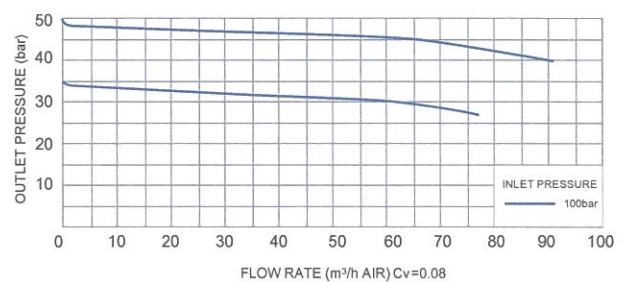
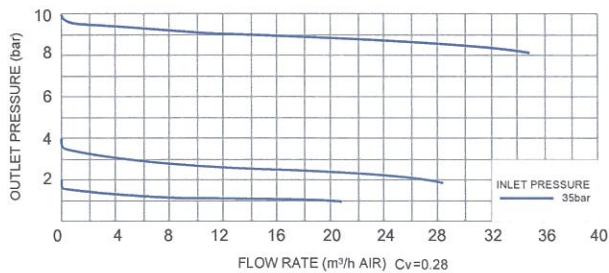


"A" Type:  
Single outlet

"B" Type:  
Dual outlet

"C" Type:  
Triple outlet

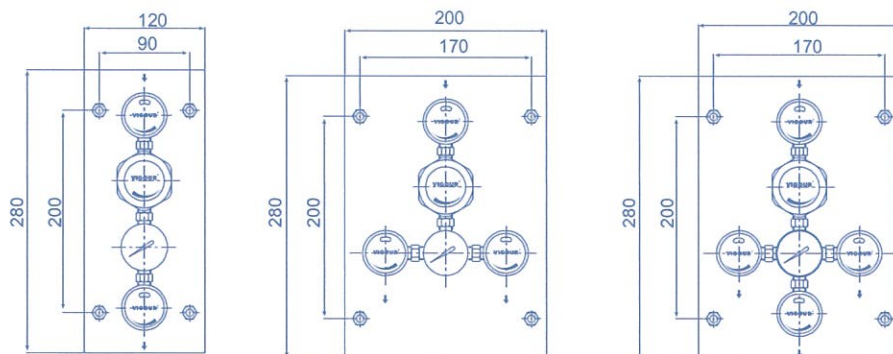
### Flow Chart





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## Dimensions (mm)



## Ordering Information:

**VSR - 2TGS - 100 - 10 - A - N2 - H**

### Body Material

- S: 316L
- C: Chrome Plated Brass
- B: Brass

### Inlet Pressure P1

- 40: 40 bar
- 100: 100 bar

### Outlet Pressure P2

- 2: to 2 bar
- 4: to 4 bar
- 10: to 10 bar
- 20: to 20 bar
- 35: to 35 bar
- 50: to 50 bar

### Option

H: Level handle

### Gas Type

Please specify gas type

### Outlet Type

- A: "A" type single outlet
- B: "B" type dual outlet
- C: "C" type triple outlet



### Product Features

- Wall-mounting tapping points
- VSR-1EL series single-stage regulator
- Brass chrome plated body and bonnet for non-corrosive gases and mixtures up to grade 6.0
- Stainless steel 316L body and bonnet for corrosive gases
- Modular design
- Diaphragm type shut-off valves
- Suitable for inlet pressure up to 100 bar
- Tested for use with oxygen

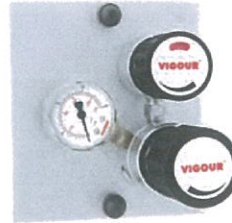
### Typical Applications

- Component Testing
- Calibration Systems
- Laboratory Pressure Control
- High Pressure Sampling Systems
- Service & Test Equipment

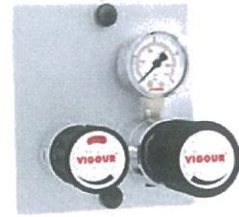
### Technical Data

Type:	single-stage
Inlet pressure P <sub>1</sub> :	max. 100 bar
Outlet pressure P <sub>2</sub> :	2/4/10/20/50 bar
<b>Materials:</b>	
Body regulator and valves:	see ordering info
Valve seat (regulator):	PCTFE
(shut-off valve):	PEEK
Diaphragm(regulator):	Hastelloy® C276
(valve):	Hastelloy® C276
Filter:	SS 316L
Temperature range:	-30°C to +74°C
Leak rate (to atmosphere):	1x10 <sup>-8</sup> mbar l/s He
(via seat):	1x10 <sup>-6</sup> mbar l/s He
Flow capacity:	Cv=0.07
Weight:	2.5 kg

## VSR-1ET Series

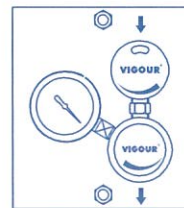


"A" type

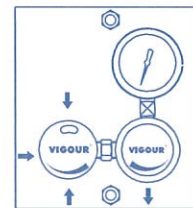


"B" type

### Schematic Drawing

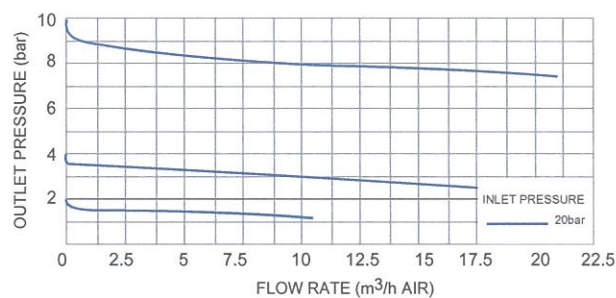


"A" type:  
Top-inlet



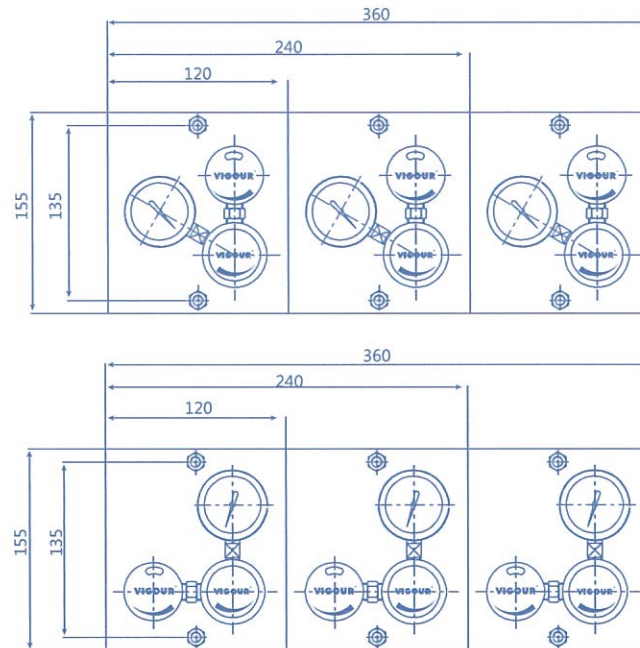
"B" type:  
Top-inlet ; Bottom-inlet ; Side-inlet

### Flow Chart



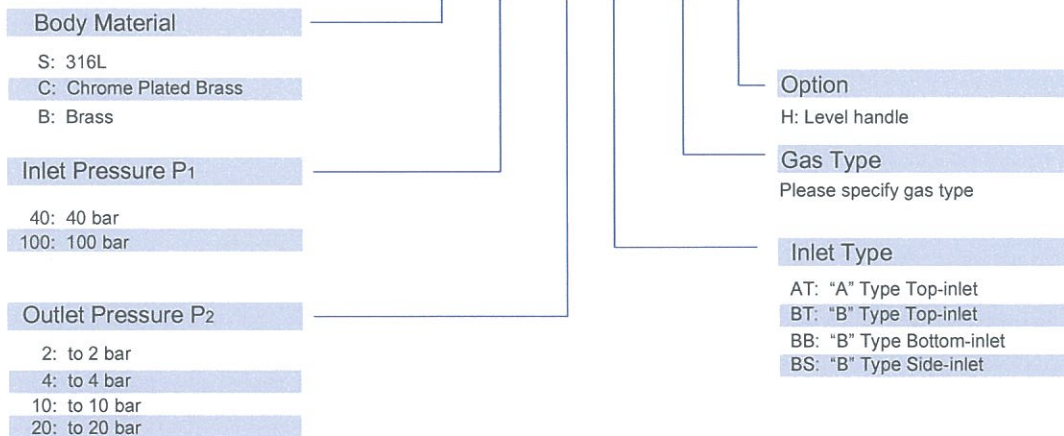
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## Dimensions (mm)



## Ordering Information:

**VSR - 1ETS - 100 - 10 - AT - N<sub>2</sub> - H**



### Product Features

- Wall-mounting tapping points
- VSR-1EL series single-stage regulator
- Brass chrome plated body and bonnet for non-corrosive gases and mixtures up to grade 6.0
- Stainless steel 316L body and bonnet for corrosive gases
- Modular design
- Diaphragm type shut-off valves
- Suitable for inlet pressure up to 100 bar
- Tested for use with oxygen

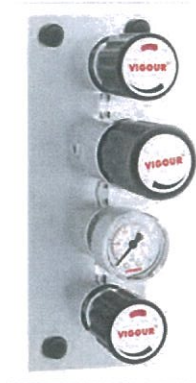
### Typical Applications

- Component Testing
- Calibration Systems
- Laboratory Pressure Control
- High Pressure Sampling Systems
- Service & Test Equipment

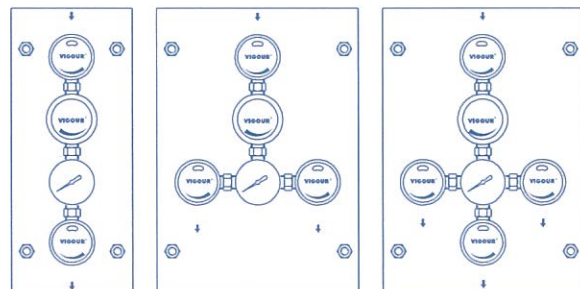
### Technical Data

Type:	single-stage
Inlet pressure P <sub>1</sub> :	max. 100 bar
Outlet pressure P <sub>2</sub> :	2/4/10/20/50 bar
<b>Materials:</b>	
Body regulator and valves:	see ordering info
Valve seat (regulator):	PCTFE
(shut-off valve):	PEEK
Diaphragm(regulator):	Hastelloy <sup>®</sup> C276
(valve):	Hastelloy <sup>®</sup> C276
Filter:	SS 316L
Temperature range:	-30°C to +74°C
Leak rate: (to atmosphere)	1x10 <sup>-8</sup> mbar l/s He
(via seat)	1x10 <sup>-6</sup> mbar l/s He
Flow capacity:	Cv=0.07
Weight:	4.1kg ~ 5.7kg

## VSR-1ETG Series



### Schematic Drawing

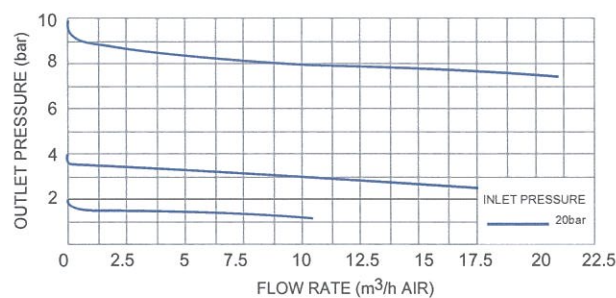


"A" Type:  
Single outlet

"B" Type:  
Dual outlet

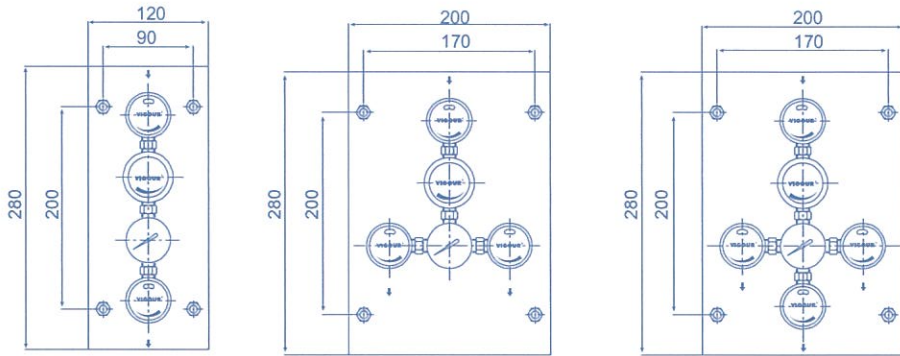
"C" Type:  
Triple outlet

### Flow Chart



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**Dimensions (mm)**



**Ordering Information:**

**VSR - 1ETGS - 100 - 10 - A - N<sub>2</sub> - H**

