

Product Features

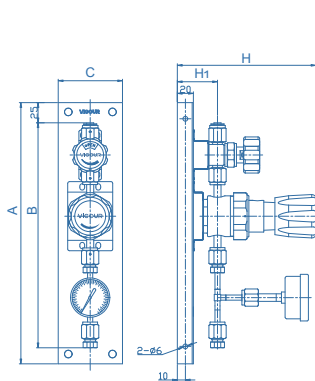
- Ultra high purity gas stick for all gas delivery systems
100TG: ≤30 slpm delivery 1/4" VFS
200TG: ≤300 slpm delivery 3/8" VFS
300TG: ≤600 slpm delivery 1/2" VFS
- The product is fabricated in compliance with the VS001A process specification
- High control accuracy
- All connections welded or VFS
- Manual or pneumatic diaphragm valve option
- 100% Helium-leak-tested

Technical Data

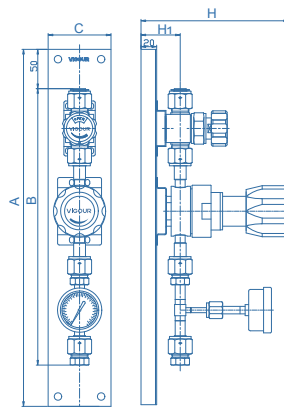
Inlet pressure P1:	300 psig (20bar)
Outlet pressure P2:	Vac to 10/30/60/100/150 psig (1/2/4/7/10bar)
Diaphragm valve materials	
body:	316L
Valve seat:	PCTFE
Diaphragm:	Elgiloy®
Regulator materials	
body:	316L / 316L secondary remelt
Valve seat:	PCTFE
Diaphragm:	Hastelloy® C276
Leak rate: (to atmosphere)	1x10 ⁻⁹ mbar l/s He
(via seat)	1x10 ⁻⁸ mbar l/s He



Dimensions (mm)



VUP-100TG (A Type)

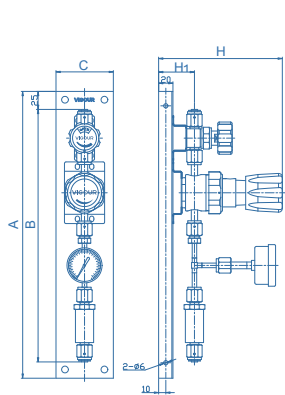


VUP-200TG / VUP-300TG (A Type)

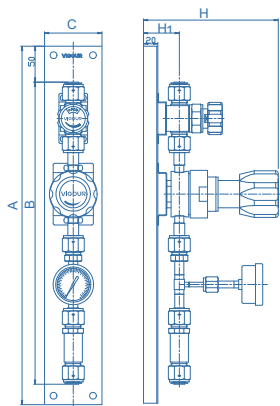
Type	Panel Thickness mm	Ordering Number	Dimensions, mm				
			A	B	C	H	H1
100TG	20	VUP-100TG-A	325	280	80	172.5	50
200TG	20	VUP-200TG-A	455	352.4	80	188	50
300TG	20	VUP-300TG-A	455	349.2	80	188	50

Gas Stick Assemblies

VUP Series

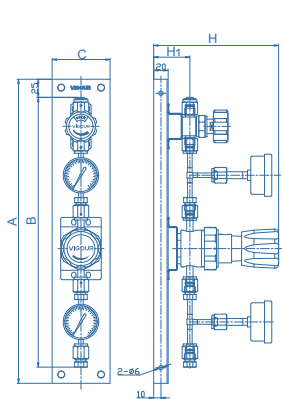


VUP-100TG (B Type)

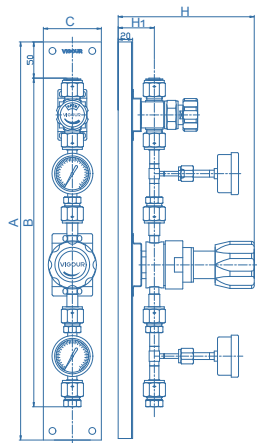


VUP-200TG / VUP-300TG (B Type)

Type	Panel Thickness mm	Ordering Number	Dimensions, mm				
			A	B	C	H	H1
100TG	20	VUP-100TG-B	400	352.3	80	172.5	50
200TG	20	VUP-200TG-B	500	421.4	80	188	50
300TG	20	VUP-300TG-B	500	418.2	80	188	50

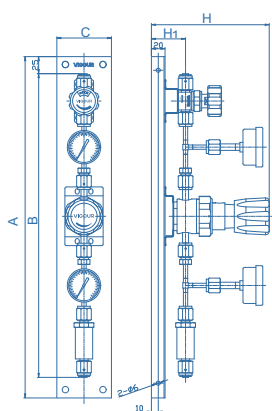


VUP-100TG (C Type)

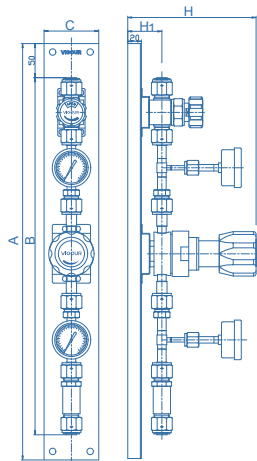


VUP-200TG / VUP-300TG (C Type)

Type	Panel Thickness mm	Ordering Number	Dimensions, mm				
			A	B	C	H	H1
100TG	20	VUP-100TG-C	420	372.6	80	172.5	50
200TG	20	VUP-200TG-C	550	454.1	80	188	50
300TG	20	VUP-300TG-C	550	447.7	80	188	50



VUP-100TG (D Type)



VUP-200TG / VUP-300TG (D Type)

Type	Panel Thickness mm	Ordering Number	Dimensions, mm				
			A	B	C	H	H1
100TG	20	VUP-100TG-D	500	444.9	80	172.5	50
200TG	20	VUP-200TG-D	610	523.1	80	188	50
300TG	20	VUP-300TG-D	610	516.7	80	188	50

Gas Stick Assemblies

VUP Series

Ordering Information

VUP - 100TG - D - 20 - 10 - FV4 - P - P - FV4 - F - PC

Series

100TG: ≤30 slpm delivery 1/4"VFS
200TG: ≤300 slpm delivery 3/8"VFS
300TG: ≤600 slpm delivery 1/2"VFS

Type

A: Single gauge, No filter included
B: Single gauge, included filter
C: Dual gauge, No filter included
D: Dual gauge, included filter
E: Inlet and Outlet diaphragm valves

Inlet Pressure P₁

20: 300 psig

Outlet Pressure P₂

V1: Vac to 10 psig
V2: Vac to 30 psig
V4: Vac to 60 psig
V7: Vac to 100 psig
V10: Vac to 150 psig
1: to 10 psig
2: to 30 psig
4: to 60 psig
7: to 100 psig
10: to 150 psig

Inlet Valve

None: No inlet valve
MV4: 1/4"VFS male
FV4: 1/4"VFS female
MV8: 1/2"VFS male
FV8: 1/2"VFS female

Diaphragm Valve Option

None: Manual valve
PC: Pneumatic valve
(normally closed)

Outlet Option

None: Without
F: Filter (0.003 μm)

Outlet Valve

MV4: 1/4"VFS male
FV4: 1/4"VFS female
MV8: 1/2"VFS male
FV8: 1/2"VFS female

Outlet Pressure Indication

None: No inlet gauge
P: Pressure gauge
K: Contact pressure gauge
PT: Pressure mitter transmitter

Inlet Pressure Indication

None: No outlet gauge
P: Pressure gauge
K: Contact pressure gauge
PT: Pressure transducer