

VHPS

VIGOUR

we offer solutions regarding your ideas!

HIGH PURITY GAS SYSTEM

**Gas
Control
Solutions**



www.vigourco.com

About us

VIGOUR

With exquisite manufacturing technology
to serve the world.

VIGOUR , having three major offices and production centers in
the world , is the world's leading provider of fluid control
system solutions .

Headquartered in G60 technology innovation port, Songjiang
District, Shanghai, the company focuses on the R & D and
manufacturing of fluid control systems and supporting pipe
valve accessories. After long-term accumulation and precipitation,
VIGOUR has a strong production, marketing and research team,
has formed a complete technology and product system,
has a high level of R & D and design capabilities, has a wealth of
forward-looking technology, focuses on providing intelligent fluid control
system application solutions for various industries, continues to
provide customers with excellent products and use experience, and enables every
user to experience industrial art within reach!





Shanghai Haogu Industrial Co., Ltd. is a high-tech enterprise in Shanghai.

It has obtained more than 30 EU CE(PED ISO2503), ISO9001, Rohs, invention patent certificate and utility model certificate.

VIGOUR is a vigour brand in the development and production of laboratory products, hydrogen energy products, semiconductor products, photovoltaic products, industrial products, medical products and regulatory control systems. We are committed to providing professional technical support for every customer, as well as the global rapid response of after-sales service, strict control of product quality, we are grateful, integrity, win-win development concept to look forward to working with you.

Please ask for application solutions!

**We offer solutions
regarding your ideas!**

Pressure Regulators



VSR-1EM Series

Structure	Single-stage / Diaphragm type
Inlet pressure	40/100/200/250 bar
Outlet pressure	2/4/10 bar
Cv	0.06
Materials	316L / Brass plating / Aluminium



VSR-16M Series

Structure	Single-stage / Diaphragm type
Inlet pressure	300 bar
Outlet pressure	10/20/50/100/150 bar
Cv	0.06
Materials	316L / Aluminum



VSR-1E Series

Structure	Single-stage / Diaphragm type
Inlet pressure	40/100/200/300 bar
Outlet pressure	VAC/2/4/8/10/20 bar
Cv	0.07
Materials	316L / Brass plating



VSR-2E Series

Structure	Single-stage / Diaphragm type
Inlet pressure	40/100/200/300 bar
Outlet pressure	VAC//2/4/8/10/20/35/50 bar
Cv	0.08
Materials	316L / Brass plating



VSR-3 Series

Structure	Single-stage / Diaphragm type / Piston type
Inlet pressure	40/100/200/300 bar
Outlet pressure	2/4/8/10/20/35/50 bar
Cv	1.0
Materials	316L / Brass plating



VSR-6E Series

Structure	Single-stage / Piston type
Inlet pressure	200/300 bar
Outlet pressure	50/100/200 bar
Cv	0.15
Materials	316L / Brass plating



VSR-11E Series

Structure	Dual-stage / Diaphragm type
Inlet pressure	100/200/300 bar
Outlet pressure	2/4/8/10/20 bar
Cv	0.07
Materials	316L / Brass plating



VSR-11EH Series

Structure	Dual-stage / Diaphragm type
Inlet pressure	100/200/300 bar
Outlet pressure	50/100/200 bar
Cv	0.15
Materials	316L / Brass plating



VSR-1ML / 1MLP Series

Structure	Single-stage / Diaphragm type
Inlet pressure	40/100 bar
Outlet pressure	2/4/8/10/20 bar
Cv	0.12
Materials	316L / Brass plating



VSR-1EL / 1ELP Series

Structure	Single-stage / Diaphragm type
Inlet pressure	40/100 bar
Outlet pressure	VAC/2/4/8/10/20 bar
Cv	0.18
Materials	316L / Brass plating



VSR-2EL / 2ELP Series

Structure	Single-stage / Diaphragm type
Inlet pressure	10/20/40/100 bar
Outlet pressure	VAC/1/2/3/4/8/10/20/35/50 bar
Cv	0.08 / 0.28
Materials	316L / Brass plating



VSR-3L / 3LP Series

Structure	Single-stage / Diaphragm type
Inlet pressure	10/40/100 bar
Outlet pressure	1/2/3/4/8/10/20/35/50 bar
Cv	1.0
Materials	316L / Brass plating



VSR-4L Series

Structure	Single-stage / Diaphragm type
Inlet pressure	10/35 bar
Outlet pressure	2/3/4/8/10/20 bar
Cv	5.1
Materials	316L / Brass plating



VSR-6EL / 6ELP Series

Structure	Single-stage / Piston type
Inlet pressure	100/200/300 bar
Outlet pressure	50/100/200 bar
Cv	0.15
Materials	316L / Brass plating



VSR-12L / 12HL Series

Structure	Single-stage / Diaphragm type
Inlet pressure	35 bar
Outlet pressure	1/2/4/8/10/20 bar
Cv	3.1
Materials	316L / Brass plating



VSR-10L Series

Structure	Single-stage / Diaphragm type
Inlet pressure	10/20 bar
Outlet pressure	2/3/4/7/10 bar
Cv	10
Materials	316L



VSR-2EPH Series

Structure	Single-stage / Diaphragm type
Inlet pressure	10/40 bar
Outlet pressure	VAC/1/2/3/4/8/10/20 bar
Cv	0.28
Materials	316L



VSR-3PH Series

Structure	Single-stage / Diaphragm type
Inlet pressure	10/40 bar
Outlet pressure	2/3/4/8/10 bar
Cv	1.7
Materials	316L



VSR-4PH Series

Structure	Single-stage / Diaphragm type
Inlet pressure	10/35 bar
Outlet pressure	2/3/4/8/10/20 bar
Cv	5.1
Materials	316L



VSR-10PH Series

Structure	Single-stage / Diaphragm type
Inlet pressure	10/20 bar
Outlet pressure	2/3/4/7/10 bar
Cv	10.0
Materials	316L



VSR-3F Series

Structure	Single-stage / Diaphragm type
Inlet pressure	10/16/25/40 bar
Outlet pressure	VAC/2/3/4/10/20 bar
Cv	1.7
Materials	316L



VSR-4F Series

Structure	Single-stage / Diaphragm type
Inlet pressure	10/16/25/35 bar
Outlet pressure	2/3/4/8/10/20 bar
Cv	5.1
Materials	316L



VSR-10F Series

Structure	Single-stage / Diaphragm type
Inlet pressure	10/20 bar
Outlet pressure	2/3/4/7/10 bar
Cv	10.0
Materials	316L



VSR-7 Series

Structure	Single-stage / Piston type
Inlet pressure	40/100/200/300 bar
Outlet pressure	20/35/50/100/170 bar
Cv	0.8 / 2.0 (HF option)
Materials	316L / Brass plating



VSR-8 Series

Structure	Single-stage / Piston type
Inlet pressure	400/700 bar
Outlet pressure	35/50/100/200/300/400 bar
Cv	0.06
Materials	316L / Brass plating



VSR-31 Series

Structure	Single-stage / Piston type
Inlet pressure	100/200/300 bar
Outlet pressure	4/8/10/20/35/40/50 bar
Cv	0.07
Materials	316L / Brass plating



VSR-36 Series

Structure	Single-stage / Piston type
Inlet pressure	40/100/200/300 bar
Outlet pressure	20/40/60 bar
Cv	2.0
Materials	316L / Brass plating

Hydrogen Regulators / Pilot operated pressure regulators



VSR-9 Series

Structure	Single-stage / Piston type
Inlet pressure	350/700 bar
Outlet pressure	8/10/20/30 bar
Cv	0.5
Materials	316L / Aluminium alloy



VSR-92 Series

Structure	Dual-stage / Piston type
Inlet pressure	350/700 bar
Outlet pressure	2/4/8/10 bar
Materials	Aluminium alloy



VSR-60 Series

Structure	Pilot-operated type / Diaphragm type
Inlet pressure	70/200/300/400 bar
Outlet pressure	10/25/70/100/175 bar
Cv	3/4" =1.95 1" =2.07
Materials	316L



VSR-61 Series

Structure	Pilot-operated type / Diaphragm type
Inlet pressure	35/70/200/400 bar
Outlet pressure	3/10/20/25/70/100/175/250 bar
Cv	7.3
Materials	316L / Brass

Calibration gas regulators



VSR-15 Series

Structure	Single-stage / Piston type
Inlet pressure	20/200 bar
Outlet pressure	2/4 bar
Flow	0.2~6 lpm
Materials	316L / Brass plating



VSR-19 Series

Structure	Single-stage / Piston type
Inlet pressure	200 bar
Outlet connection	3/16" Hose coupler
Flow	0.25~15 lpm
Materials	Aluminium alloy



VSR-51 Series

Structure	Single-stage / Diaphragm type
Inlet pressure	Max. 10 bar
Control pressure range	0~2/4/7/17 bar
Cv	0.08
Materials	316L / Brass plating



VSR-52 Series

Structure	Single-stage / Piston type
Inlet pressure	Max. 50 bar
Control pressure range	3~10/20/50 bar
Cv	0.1
Materials	316L / Brass plating



VSR-53 Series

Structure	Single-stage / Piston type
Inlet pressure	Max. 300 bar
Control pressure range	0.35~35/50/100 /200/300 bar
Cv	0.14 / 0.1
Materials	316L

Back pressure regulators



VSP-1 Series

Structure	Unilateral
Inlet pressure	40/100/200/300 bar
Outlet pressure	2/4/10/20/35/50 bar
Cv	0.08
Materials	316L / Brass plating



VSP-1E Series

Structure	Unilateral
Inlet pressure	40/100/200/300 bar
Outlet pressure	2/4/10/15/20/50 /100/200 bar
Cv	0.07 / 0.15
Materials	316L / Brass plating



VSP-1H Series

Structure	Unilateral
Inlet pressure	40/100/200/300 bar
Outlet pressure	2/4/10/20/35/50 bar
Cv	1.0
Materials	316L / Brass plating

Pressure control panels



VSP-1DE Series

Structure	Unilateral
Inlet pressure	40/100/200/300 bar
Outlet pressure	2/4/10/20/50/100/200 bar
Cv	0.07 / 0.15
Materials	316L / Brass plating



VSP-2 Series

Structure	Bilateral / Manual switch
Inlet pressure	40/100/200/300 bar
Outlet pressure	2/4/10/20/35/50 bar
Cv	0.08
Materials	316L / Brass plating



VSP-2E Series

Structure	Bilateral / Manual switch
Inlet pressure	40/100/200/300 bar
Outlet pressure	2/4/10/20/50/100/200 bar
Cv	0.07 / 0.15
Materials	316L / Brass plating



VSP-3AE Series

Structure	Bilateral / Automatic
Inlet pressure	40/100/200/300 bar
Outlet pressure	2/4/10/20/50/100 bar
Cv	0.07 / 0.15
Materials	316L / Brass plating



VSP-6A Series

Structure	Bilateral / Automatic
Inlet pressure	40/100/200/300 bar
Outlet pressure	2/4/10/20/35/50 bar
Cv	1.0
Materials	316L / Brass plating



VSP-7 Series

Structure	Bilateral / Automatic
Inlet pressure	40/100/200/300 bar
Outlet pressure	2/4/10/20/35/50 bar
Cv	1.0
Materials	316L / Brass plating



VSP-8AE Series

Structure	Bilateral / Automatic
Inlet pressure	40/100/200/300 bar
Outlet pressure	2/4/10/20/50/100 bar
Cv	0.07 / 0.15
Materials	316L / Brass plating



VSP-11E Series

Structure	Bilateral / Automatic
Inlet pressure	40/100/200/300 bar
Outlet pressure	2/4/10/20 bar
Cv	0.07
Materials	316L / Brass plating



VSP-36 Series

Structure	Bilateral / Automatic
Inlet pressure	40/100/200/300 bar
Outlet pressure	20/40/60 bar
Materials	316L / Brass plating / Brass



VSP-5A Series

Name	Pressure control panels automatic change over system
Inlet pressure	40/100/200/300 bar
Outlet pressure	2/4/10/20/35/50 bar
Inlet / Outlet	1/4" NPT fitting
Materials	316L / Brass plating



VSP-9 Series

Name	Automatic pressure control box
Inlet pressure	40/100/200/300 bar
Outlet pressure	2/4/10/20/35/50 bar
Inlet / Outlet	1/4" 1/2" Tube fitting
Materials	316L / Brass plating



VSP-B Series

Name	Generator back-up panel
Inlet pressure	200/300 bar
Outlet pressure	10 bar
Cv	0.08
Materials	316L / Brass plating

Mounting station Purge assemblies



VSP-S Series

Name	Cylinder extension module
Inlet pressure	Max. 300 bar
standard	36" Pigtails / Check valves
Panel Materials	Aluminium alloy
Body Materials	316L / Aluminium alloy



VSP-X Series

Name	Cylinder extension module
Inlet pressure	Max. 300 bar
Characteristic	Free combination for easy installation
Optional	Diaphragm valves
Body Materials	316L / Brass plating



VSP-U Series

Name	Purge assemblies (Straight / Tee / Cross / Block & Bleed purge assemblies)
Inlet pressure	40/100/200/300 bar
Outlet pressure	2/4/10/20/35/50 bar
Orifice	Φ2.7mm
Materials	316L / Brass plating

Tapping points



VSR-1ET Series

Structure	Single-stage / Diaphragm type
Inlet pressure	40/100 bar
Outlet pressure	2/4/10/20/50 bar
Cv	0.07
Materials	316L / Brass plating



VSR-2T Series

Structure	Single-stage / Diaphragm type
Inlet pressure	40/100 bar
Outlet pressure	2/4/10/20/35/50 bar
Cv	0.28 / 0.08
Materials	316L / Brass plating



VSR-1ETG Series

Structure	Single-stage / Diaphragm type
Inlet pressure	40/100 bar
Outlet pressure	2/4/10/20/50 bar
Cv	0.07
Materials	316L / Brass plating



VSR-1ETG-BV Series

Structure	Single-stage / Diaphragm type
Inlet pressure	40/100 bar
Outlet pressure	2/4/10/20/50 bar
Cv	0.07
Materials	316L / Brass plating



VSR-2TG Series

Structure	Single-stage / Piston type / Diaphragm type
Inlet pressure	40/100 bar
Outlet pressure	2/4/10/20/35/50 bar
Cv	0.28 / 0.08
Materials	316L / Brass plating



VSR-3T Series

Structure	Single-stage / Diaphragm type
Inlet pressure	60 bar
Outlet pressure	2/4/10/20 bar
Cv	0.12
Materials	316L / Brass plating



VSR-3TG Series

Structure	Single-stage / Diaphragm type
Inlet pressure	60 bar
Outlet pressure	2/4/10/20 bar
Cv	0.12
Materials	316L / Brass plating



VSR-4T Series

Structure	Single-stage / Diaphragm type
Inlet pressure	60 bar
Outlet pressure	2/4/10/20 bar
Cv	0.12
Materials	316L / Brass plating



VSR-5T Series

Structure	Single-stage / Diaphragm type
Inlet pressure	60 bar
Outlet pressure	2/4/10/20 bar
Cv	0.07
Materials	Aluminium alloy

Diaphragm valves
/ Ball valves / Needle valves /
Check valves / Relief valves



VDV1 Series

Name	Diaphragm valves
Diaphragm	Metal-to-metal to atmosphere
Outlet pressure	Max. 60 bar
Orifice	Φ4mm
Materials	316L / Brass plating



VDV2 Series

Name	Diaphragm valves
Diaphragm	Metal-to-metal to atmosphere
Outlet pressure	Max. 60 bar
Orifice	Φ3.2mm
Materials	316L / Brass plating



VDV30 Series

Name	Diaphragm valves
Diaphragm	Metal-to-metal to atmosphere
Outlet pressure	Max. 300 bar (60 bar option)
Orifice	Φ2.7mm
Materials	316L / Brass plating



VDV31 Series

Name	Diaphragm valves
Diaphragm	Metal-to-metal to atmosphere
Outlet pressure	Max. 300 bar (60 bar option)
Orifice	Φ2.7mm
Materials	316L



VDV8 Series

Name	Diaphragm valves
Diaphragm	Metal-to-metal to atmosphere
Outlet pressure	Max. 40 bar
Orifice	Φ8mm
Materials	316L / Brass plating



VBV1 Series

Name	Ball valves
Seat materials	PTFE
Pressure rating	Max. 206 bar
Inlet / Outlet	Tube fitting / NPT
Orifice	Φ2.4~10.3 mm
Materials	316



VBV2 Series

Name	Ball valves
Seat materials	PTFE
Pressure rating	69 / 206 bar
Inlet / Outlet	Tube fitting / NPT
Orifice	Φ2.4~10.3 mm
Materials	316



VBV3 Series

Name	Ball valves
Seat materials	PTFE
Pressure rating	69 bar
Inlet / Outlet	Tube fitting / NPT
Orifice	Φ5/Φ7/Φ9 mm
Materials	316



VB4 Series

Name	Ball valves
Seat materials	PTFE standard Other optional
End connections	1/8" ~2" / 6mm~25mm
Materials	316 / 304



VNV Series

Name	Needle valves (Straight / Angle)
sealing element	PCTFE
Inlet pressure	Max. 345 bar
Cv	0.09~1.8
Materials	316



VCV-16 Series

Name	aluminum cylinder valves
Inlet pressure	40/200 bar
Inlet connections	1" -14UNF / 3/4" -16UNF
Outlet connections	5/8" -18UNF
Materials	316L / Brass plating



VCV Series

Name	Check valves
Inlet pressure	Max. 200 bar
Cracking pressure	1 psig
End connections	3/4" NPT(F)
Materials	316L / Brass



VCV1 Series

Name	Check valves
O-ring	EPDM standard (Viton® optional)
Working pressure	206 bar
Cracking pressure	1 psig
Materials	316L



VCV2 Series

Name	Check valves
O-ring	EPDM standard (Kalrez FFKM optional)
Working pressure	413 bar
Cracking pressure	1 psig
Materials	316L / Brass plating



VCVH Series

Name	Check valves
O-ring	VITON® standard (EPDM optional)
Working pressure	300 bar
Cracking pressure	1/3 psig / 1 psig
Materials	316L



VSV1 Series

Name	Relief valves
sealing element	Viton® standard (Kalrez® optional)
Pressure	1~50 bar
End connections	1/4" NPT(M) / 1/4" NPT(F)
Materials	316L / Brass plating / Brass



VSV2 Series

Name	Proportional relief valves
sealing element	Viton standard Other optional
Pressure	0.7~400 bar
End connections	Tube fitting / NPT
Materials	316 / 304

accessories and
spare parts



VFB50 / VFB100 Series

Name	Flashback arrestors
Application scenarios	Combustible gas
Inlet pressure	Max. 20 bar
O-ring	Viton®
Materials	316L / Brass plating



VFB200 Series

Name	Flashback arrestors
Inlet pressure	Max. 20 bar
Inlet / Outlet	DN25/DN50 Flange
O-ring	Viton®
Materials	316L / Brass



VF Series

Name	Filters (In-line type / Tee type)
Pressure	Max. 206 bar
End connections	Tube fitting / NPT fitting
Filter material	316L / Brass plating
Filter fineness	0.2/2/5/10/20 µm



VF-2S Series

Name	Filters
Pressure	Max. 413 bar
End connections	NPT fitting
Filter material	316L / Brass plating
Filter fineness	2/5/50/80 µm



VSW Series

Name	Pressure switch
Pressure	60/100/200/250 bar
Supply voltage	DC 12V~24V
Electrical connection	Mini Hirschman
Explosion-proof	IP65



VPT Series

Name	Pressure transmitter
Pressure	60/100/200/400/600 bar
Supply voltage	DC 12V~24V
Electrical connection	Mini Hirschman
Explosion-proof	Exd II CT6



VG / VR Series

Name	Pressure gauges (Radial or Axial direction)
Scale	bar/psig Double scale
Inlet connection	1/4" NPT(M)
Dial Size	2"
Switching accuracy	±2.5%



VG20SE Series

Name	Contact gauges
Scale	bar/psig Double scale
Inlet connection	1/4" NPT(M) (1m electric wire)
Dial Size	2"
Switching accuracy	±2.5%



VG25E Series

Name	Contact gauges
Scale	bar/psig Double scale
Inlet connection	1/4" NPT (2m electric wire)
Dial Size	Φ63mm
Switching accuracy	±2.5%



VSC Series

Name	Sampling steel cylinder
Pressure rating	500/1800/5000 psig
Inlet / Outlet	1/4" 1/2" 3/8" NPT fitting
Type	Single-ended / Double-ended
Materials	304 / 316L



VWB Series

Name	Cylinder holder
Bracket material	ABS / Aluminium alloy
Bandage materials	Polyester woven fabric / 304 chains
Applicable	A separate cylinder



VPF / VPS Series

Name	Pigtails
Inlet pressure	Max. 300 bar (VPS series)
Materials	316L / PTFE
Orifice	1/4" 1/8"
Type	Stainless steel protective mesh / Stainless steel anti-swing rope



VPG / VPP Series

Name	Metal coil pipe
Inlet pressure	Max. 414 bar
Materials	VIUBE series stainless steel BA pipe processing
Orifice	1/4" 6mm
Length	300mm



VTUBE Series

Name	Stainless steel pipe
Steel pipe grade	AP level / BA level/ EP level
Materials	316 / 304
Standard length	4 / 6 m
Standard	Polyethylene cap



VM-11 Series

Name	Gas heater
Voltage	36V / 110V / 220V
Working pressure	Max. 300 bar
Power	190W
Materials	316L / Brass plating



VAS Series

Name	Alarm systems
supervisory signal	2/4/8 alarm signal
Voltage	220V / 240V (standard) 110V optional
Temperature range	-30°C to +74°C
Materials	ABS



VAS100 Series

Name	Alarm systems
supervisory signal	8/16 alarm signal
Voltage	220V standard 110V optional
output voltage	DC 12V
Materials	aluminum



VAS200 Series

Name	Alarm systems
supervisory signal	6/8/12/16/20 alarm signal
Voltage	220V standard 110V optional
output voltage	DC 24V
Materials	aluminum



VQC Series

Name	Quick connectors
Size	1/8" ~1/2" , 6~12mm
Type	single-ended / Double ended closed type / Error proof type
Materials	316



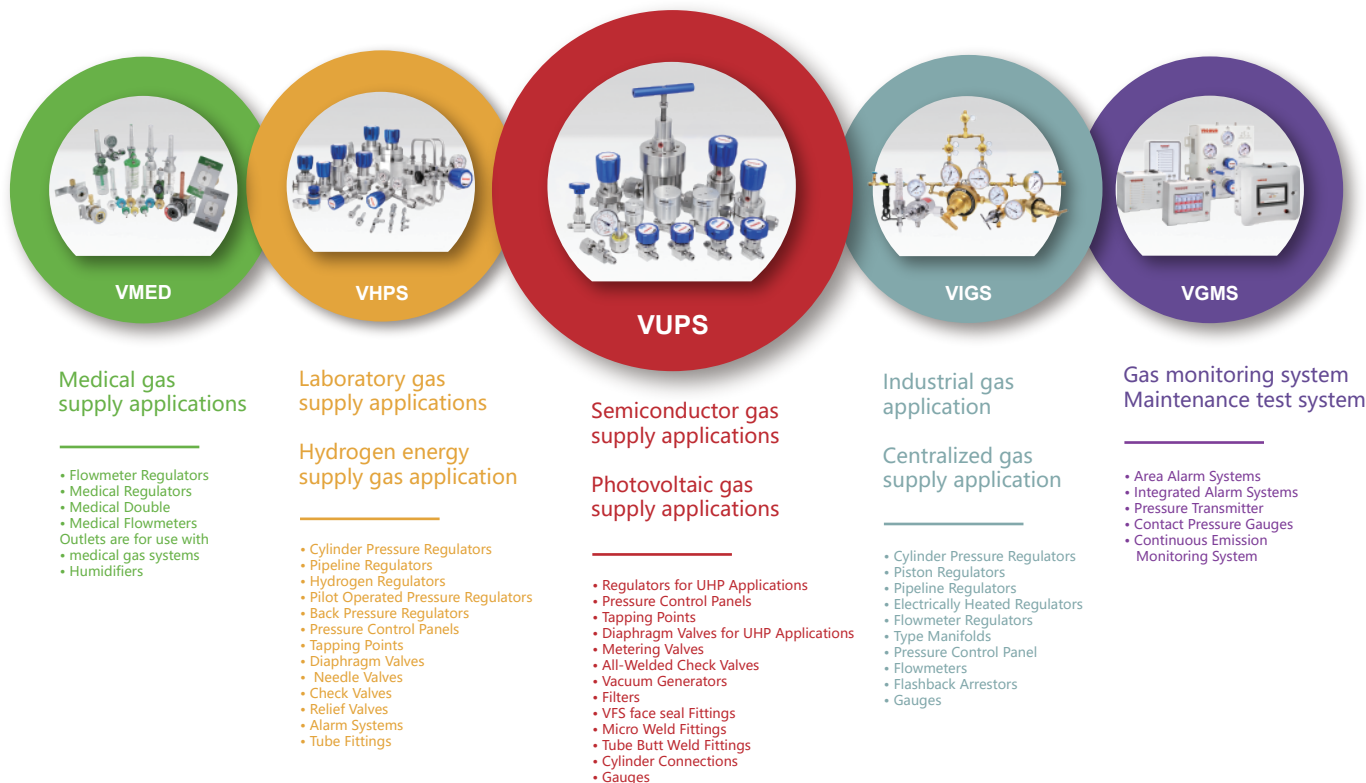
VCC / CGA DISS Series

Name	Cylinder connections
Cylinder standard	CGA/DIN/GB/BSP/JIS/NF/ UNI/CGA DISS
End connections	1/4" NPT(M) / 6mm Tube fitting / 6mmOD / 1/4" Tube fitting / 1/4" OD



Tube Fittings Series

Name	Tube fittings
Type	Male Connector / Female Connector / Male Elbow / Female Elbow / Reducing Elbow / Male Run Tee / Female Run Tee / Reducing Tee / Bulkhead Union / Bulkhead Male Connector / Bulkhead Female Connector / Bulkhead Reducer / Male Adapter Tube to Pipe / Female Adapter Tube to Pipe / Tube Socket Weld Union / Tube Socket Weld Union / Union Cross / Nut / Plug / Cap / Gaskets



Vigour is a private brand of Haogu, currently has 5 categories of ultra-high purity fluid series products, corresponding to: laboratory products, ultra-high purity products, industrial products, medical products, regulatory control system. We are committed to provide every customer with professional technical support, as well as the global rapid response of after-sales service, strict control of product quality, we are grateful, integrity, win-win development concept looking forward to working with you.

VIGOUR

we offer solutions regarding your ideas!

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