

VIGOUR

we offer solutions regarding your ideas!

ULTRA HIGH PURITY GAS SYSTEM

Gas Control Solutions



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-50UB Series

Materials	316L EP
Inlet pressure	Vacuum to 150 psig
Outlet pressure	10/30/60/100 psig
Cv	0.06 (0.1 optional)
Surface finish	10/25 µin. Ra



VSR-50UC Series

Materials	316L secondary remelt
Inlet pressure	Vacuum to 150 psig
Outlet pressure	10/30/60/100 psig
Cv	0.06 (0.1 optional)
Surface finish	5/7/10/15 µin. Ra Max.



VSR-100UB Series

Materials	316L EP
Inlet pressure	300/3500 psig
Outlet pressure	VAC/10/30/60/100/150 psig
Cv	0.09 (0.15 optional)
Surface finish	10/25 µin. Ra



VSR-100UC Series

Materials	316L EP / 316L secondary remelt
Inlet pressure	300/3500 psig
Outlet pressure	VAC/10/30/60/100/150 psig
Cv	0.09 (0.15 optional)
Surface finish	5/7/10/15 µin. Ra Max.



VSR-210UB Series

Materials	316L EP
Inlet pressure	300/1700/3000 psig
Outlet pressure	VAC/30/60/100/150 psig
Cv	0.65 (1.1 HF option)
Surface finish	10/25 µin. Ra
Characteristic	Flow adjustable Optional



VSR-210UC Series

Materials	316L EP / 316L secondary remelt
Inlet pressure	300/1700/3000 psig
Outlet pressure	VAC/30/60/100/150 psig
Cv	0.65 (1.1HF optional)
Surface finish	5/7/10/15 µin. Ra Max.
Characteristic	Flow adjustable Optional



VSR-410UB Series

Materials	316L EP
Inlet pressure	300/2300/3000 psig
Outlet pressure	VAC/30/60/100/150 psig
Cv	0.45
Surface finish	10/25 µin. Ra
Characteristic	Optional negative pressure adjustment



VSR-410UC Series

Materials	316L EP / 316L secondary remelt
Inlet pressure	300/2300/3000 psig
Outlet pressure	VAC/30/60/100/150 psig
Cv	0.45
Surface finish	5/7/10/15 µin. Ra Max.
Characteristic	Optional negative pressure adjustment



VSR-510UB Series

Materials	316L EP
Inlet pressure	300/3500 psig
Outlet pressure	VAC/30/60/100/150 psig
Cv	0.09 (0.15 optional)
Surface finish	10/25 µin. Ra



VSR-510UC Series

Materials	316L EP / 316L secondary remelt
Inlet pressure	300/3500 psig
Outlet pressure	VAC/30/60/100/150 psig
Cv	0.09 (0.15 optional)
Surface finish	5/7/10/15 µin. Ra Max.



VSR-610UB Series

Materials	316L EP
Inlet pressure	300/3500 psig
Outlet pressure	VAC/10/30/60/100 psig
Cv	0.13
Surface finish	10/25 µin. Ra



VSR-610UC Series

Materials	316L EP / 316L secondary remelt
Inlet pressure	300/3500 psig
Outlet pressure	VAC/10/30/60/100 psig
Cv	0.13
Surface finish	5/7/10/15 µin. Ra Max.



VSR-710UB Series

Materials	316L EP
Inlet pressure	3500 psig
Outlet pressure	VAC/30/60/100 psig
Cv	0.05
Surface finish	10/25 µin. Ra



VSR-710UC Series

Materials	316L EP / 316L secondary remelt
Inlet pressure	3500 psig
Outlet pressure	VAC/30/60/100 psig
Cv	0.05
Surface finish	5/7/10/15 µin. Ra Max.



VSR-910UB Series

Materials	316L EP
Inlet pressure	800/1700/3000 psig
Outlet pressure	VAC/30/60/100/150 psig
Cv	3.0 / 4.0
Surface finish	10/15 µin. Ra



VSR-911UB Series

Materials	316L EP
Inlet pressure	800/1700/3000 psig
Outlet pressure	300 psig
Cv	3.0 / 4.0
Surface finish	10/15 µin. Ra



VSR-920UB Series

Materials	316L EP
Inlet pressure	300 psig
Outlet pressure	VAC/30/60/100/150 psig
Cv	1.6
Surface finish	10 µin. Ra



VSR-920UC Series

Materials	316L EP / 316L secondary remelt
Inlet pressure	300 psig
Outlet pressure	VAC/30/60/100/150 psig
Cv	1.6
Surface finish	10/15 µin. Ra



VSR-930UB Series

Materials	316L EP
Inlet pressure	6000 psig
Outlet pressure	100~2500 psig
Cv	0.09 (Cv=0.15 optional)
Surface finish	10/25 µin. Ra

Diaphragm valves



VDV31UA Series

Structure	Manual actuator
Working pressure	MAX. 4500 psig
Inlet / Outlet	6mm / 8mm Tube fitting 1/4" 1/8" Tube fitting
Cv	0.1
Seat materials	PCTFE



VDV32UA Series

Structure	Manual actuator
Working pressure	MAX. 150 psig
Inlet / Outlet	1/4" Tube fitting
Cv	0.3
Seat materials	PCTFE (Vespal / PFA optional)



VDV32UA Series

Structure	Manual actuator
Working pressure	MAX. 150 psig
Inlet / Outlet	3/8" 1/2" Tube fitting
Cv	0.65
Seat materials	PCTFE (Vespal / PFA optional)



VDV32UA Series

Structure	Pneumatic actuator (Normally opened / Normally closed)
Working pressure	MAX. 150 psig
Inlet / Outlet	1/4" Tube fitting
Cv	0.3
Seat materials	PCTFE (Vespel / PFA optional)



VDV32UA Series

Structure	Pneumatic actuator (Normally opened / Normally closed)
Working pressure	MAX. 150 psig
Inlet / Outlet	3/8" 1/2" Tube fitting
Cv	0.65
Seat materials	PCTFE (Vespel / PFA optional)



VDV33UA Series

Structure	Manual actuator
Working pressure	MAX. 3000 psig
Inlet / Outlet	1/4" NPT 1/4" Tube fitting
Cv	0.1
Seat materials	PCTFE (Vespel / PFA optional)



VDV33UA Series

Structure	Manual actuator
Working pressure	MAX. 3000 psig
Inlet / Outlet	3/8" 1/2" Tube fitting
Cv	0.5
Seat materials	PCTFE (Vespel / PFA optional)



VDV33UA Series

Structure	Pneumatic actuator (Normally opened / Normally closed)
Working pressure	MAX. 3000 psig
Inlet / Outlet	1/4" NPT 1/4" Tube fitting
Cv	0.1
Seat materials	PCTFE (Vespel / PFA optional)



VDV33UA Series

Structure	Pneumatic actuator (Normally opened / Normally closed)
Working pressure	MAX. 3000 psig
Inlet / Outlet	3/8" 1/2" Tube fitting
Cv	0.5
Seat materials	PCTFE (Vespel / PFA optional)



VDV31UB Series

Structure	Manual actuator
Working pressure	MAX. 3000 psig
Inlet / Outlet	1/4" VFS fitting
Cv	0.1
Seat materials	PCTFE



VDV32UB Series

Structure	Manual actuator
Working pressure	MAX. 150 psig
Inlet / Outlet	1/4" VFS fitting 1/4" Tube weld
Cv	0.3
Seat materials	PCTFE (Vespel / PFA optional)



VDV32UB Series

Structure	Manual actuator
Working pressure	MAX. 150 psig
Inlet / Outlet	1/2" VFS fitting 1/2" 3/8" Tube weld 3/4" VFS fitting
Cv	0.65
Seat materials	PCTFE (Vespel / PFA optional)



VDV32UB Series

Structure	Pneumatic actuator (Normally opened / Normally closed)
Working pressure	MAX. 150 psig
Inlet / Outlet	1/4" VFS fitting 1/4" Tube weld
Cv	0.3
Seat materials	PCTFE (Vespel / PFA optional)



VDV32UB Series

Structure	Pneumatic actuator (Normally opened / Normally closed)
Working pressure	MAX. 150 psig
Inlet / Outlet	1/2" VFS fitting 1/2" 3/8" Tube weld 3/4" VFS fitting
Cv	0.65
Seat materials	PCTFE (Vespel / PFA optional)



VSR-33UB Series

Structure	Manual actuator
Working pressure	MAX. 3000 psig
Inlet / Outlet	1/4" VFS fitting 1/4" Tube weld
Cv	0.1
Seat materials	PCTFE (Vespel / PFA optional)



VSR-33UB Series

Structure	Manual actuator
Working pressure	MAX. 3000 psig
Inlet / Outlet	1/2" VFS fitting Female 1/2" 3/8" Tube weld
Cv	0.5
Seat materials	PCTFE (Vespel / PFA optional)



VSR-33UB Series

Structure	Manual actuator
Working pressure	MAX. 3000 psig
Inlet / Outlet	1/2" VFS fitting male 1/2" 3/8" Tube weld
Cv	0.5
Seat materials	PCTFE (Vespel / PFA optional)



VDV33UB Series

Structure	Pneumatic actuator (Normally opened / Normally closed)
Working pressure	MAX. 3000 psig
Inlet / Outlet	1/4" VFS fitting 1/4" tube weld
Cv	0.1
Seat materials	PCTFE (Vespel / PFA optional)



VDV33UB Series

Structure	Pneumatic actuator (Normally opened / Normally closed)
Working pressure	MAX. 3000 psig
Inlet / Outlet	1/2" VFS fitting male 3/8" 1/2" tube weld
Cv	0.5
Seat materials	PCTFE (Vespel / PFA optional)



VDV33UB Series

Structure	Pneumatic actuator (Normally opened / Normally closed)
Working pressure	MAX. 3000 psig
Inlet / Outlet	1/2" VFS fitting Female 1/2" 3/8" Tube weld
Cv	0.5
Seat materials	PCTFE (Vespel / PFA optional)



VDV52UB Series

Structure	Manual actuator
Working pressure	MAX. 300 psig
Inlet / Outlet	1/4" VFS fitting 1/4" tube weld
Cv	0.3
Seat materials	PCTFE (Vespel / PFA optional)



VDV52UB Series

Structure	Manual actuator
Working pressure	MAX. 300 psig
Inlet / Outlet	1/2" VFS fitting 3/8" 1/2" tube weld
Cv	0.65
Seat materials	PCTFE (Vespel / PFA optional)



VDV36 Series

Working pressure	MAX. 150 / 3000 psig
Surface finish	10µin. Ra
Inlet / Outlet	1/4" 1/2" VFS fitting, 1/4" 1/2" 3/8" tube weld
Cv	0.1 / 0.3
Materials	316L EP / 316L secondary remelt



VDV22UB Series

Structure	Manual actuator
Working pressure	MAX. 150 psig
Inlet / Outlet	1/4" VFS fitting male 1/2" VFS fitting male
Cv	1/4=0.3 1/2=0.65
Seat materials	PCTFE (Vespel / PFA optional)



VDV22UB Series

Structure	Pneumatic actuator (Normally opened / Normally closed)
Working pressure	MAX. 150 psig
Inlet / Outlet	1/4" VFS fitting male 1/2" VFS fitting male
Cv	1/4=0.3 1/2=0.65
Seat materials	PCTFE (Vespel / PFA optional)



VDV39 Series

Structure	Manual actuator
Working pressure	MAX. 270 psig
Inlet / Outlet	3/4" VFS fitting 3/4" tube weld
Cv	2.8
Seat materials	PCTFE (Vespel / PFA optional)



VDV39 Series

Structure	Manual actuator
Working pressure	MAX. 270 psig
Inlet / Outlet	1/2" VFS fitting, 1/2" tube weld
Cv	2.8
Seat materials	PCTFE (Vespel / PFA optional)

Pressure control panels / Accessories



VUP-TG Series

Series	100TG/200TG/300TG
Inlet pressure	300 psig
Outlet pressure	30/60/100/150 psig
End connection	1/4" / 1/2" VFS fitting
Materials	316L / 316L secondary remelt



VUP-1U Series

Structure	Unilateral
Inlet pressure	300/3500 psig
Outlet pressure	VAC/10/30/60/100/150/ 720/1400/2900/3500 psig
Cv	0.09 (0.15 optional)
End connection	1/4" VFS fitting



VUP-2U Series

Structure	Bilateral / Manual switch
Inlet pressure	300/3500 psig
Outlet pressure	VAC/10/30/60/100/150/720/ 1400/2900/3500 psig
Cv	0.09 (0.15 optional)
End connection	1/4" VFS fitting



VUP-3U Series

Structure	Bilateral / Automatic switch
Inlet pressure	300/3500 psig
Outlet pressure	VAC/10/30/60/100/150/720/ 1400/2900/3500 psig
Cv	0.09 (0.15可选)
End connection	1/4" VFS接头



VUP-4U Series

Structure	Unilateral
Inlet pressure	300/1700/3000 psig
Outlet pressure	VAC/30/60/100/150 psig
Cv	0.65 (1.1 HF option)
End connection	1/2" VFS fitting



VUP-5U Series

Structure	Bilateral / Manual switch
Inlet pressure	300/1700/3000 psig
Outlet pressure	VAC/30/60/100/150 psig
Cv	0.65 (1.1 HF option)
End connection	1/2" VFS fitting



VUP-6U Series

Structure	Bilateral / Automatic switch
Inlet pressure	300/1700/3000 psig
Outlet pressure	VAC/30/60/100/150 psig
Cv	0.65 (1.1 HF option)
End connection	1/2" VFS fitting



VMV Series

Name	Metering valves
Working pressure	MAX. 2000 psig
Cv	0.004~0.16
Inlet / Outlet	1/4" 1/8" 3/8" Tube fitting 6mm 3mm Tube fitting 1/4" 1/8" NPT fitting 1/4" VFS fitting
Materials	316



VUBV Series

Name	Bellows valves
Manual pressure	Vacuum 500 psig
Pneumatic pressure	Vacuum 125 psig
Operating pressure	45~120 psig
End connection	1/4" VFS fitting 1/4" Tube weld
Surface finish	5/7/10 μin. Ra



VVG Series

Name	Vacuum generators
Vacuum pressure	Max. -90 kPa
Inlet / Outlet	1/4" 1/2" VFS fitting
Vacuum connection	1/4" VFS fitting
Surface finish	0.25 / 0.4 μin. Ra
Source gas	Nitrogen



VUCV Series

Name	All-welded check valves
Working pressure	3000 psig
Cracking pressure	<2 psig
End connection	1/4" 1/2" VFS male
Seal materials	EPDM / Kalrez®



VFH Series

Name	Filters
Working pressure	2350 psig
Working temperature	-10~100°C
End connection	1/4" 1/2" VFS male
Filter element	316L



VRU Series

Name	Pressure gauge (Center-back)
Scale	bar/psig Dual scale
Inlet connection	1/4" VFS fitting
Dial size	2"
Accuracy	Grade A per ASME B40.1



VGU Series

Name	Pressure gauge (Lower mount)
Scale	bar/psig Dual scale
Inlet connection	1/4" VFS fitting
Dial size	2"
Accuracy	Grade A per ASME B40.1



VRT Series

Name	Pressure gauge (Center-back)
Scale	bar/psig Dual scale
Inlet connection	6mm / 1/4" Tube fitting
Dial size	2"
Accuracy	Grade A per ASME B40.1



VG Series

Name	Pressure gauge (Lower mount)
Scale	bar/psig Dual scale
Inlet connection	1/4" NPT fitting
Dial size	2"
Accuracy	Grade A per ASME B40.1



VGU20SE / VRU20SE Series

Name	Contact gauge (Lower mount / Center-back)
Scale	bar/psig Dual scale
Inlet connection	1/4" VFS fitting
Dial size	2"
Accuracy	±2.5%



VCG20S / VRG20S Series

Name	Contact gauge (Lower mount / Center-back)
Scale	bar/psig Dual scale
Inlet connection	VFS fitting
Dial size	2"
Accuracy	Grade A per ASME B40.1



VUC Series

Name	Cylinder connections
Inlet connection	1/4" NPT, 6mm Tube fitting 6mm / 1/4" Tube weld
Surface finish	10/15 µin. Ra
Materials	316L



VUC DISS Series

Name	Cylinder connections
End connection	1/4" VFS fitting, 1/4" NPT 1/4" / 1/2" Tube weld
Gasket materials	Nickle / PCTFE



VTW Series

Name	Tube butt weld fittings
Type	Long Elbow / Long Tee / Reducing Union
Materials	316L



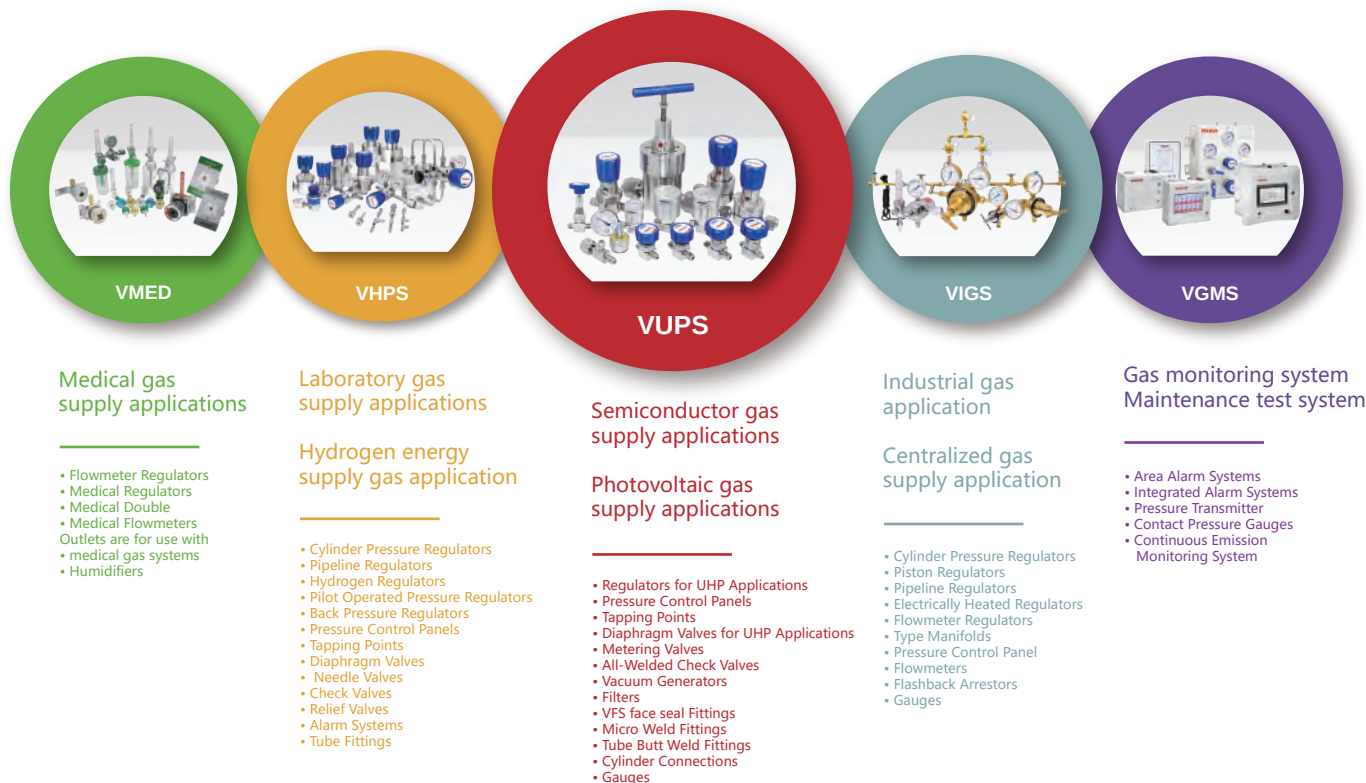
VVR Series

Name	Face seal fittings
Type	Glands / Nut / Gaskets / Cap / Plug / NPT Connectors
Materials	316L / 316Lsecondary remelt / Nickel



VMW Series

Name	Micro weld fittings
Type	Elbow / Tee / Cross / Reducing Union
Materials	316L



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

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