

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



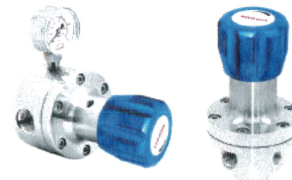
VSR-4L Series

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



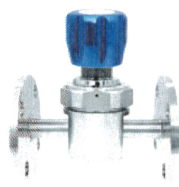
VSR-4PH Series

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



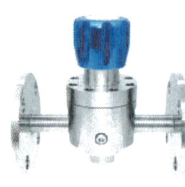
VSR-10PH Series

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

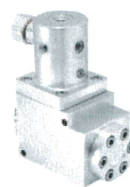
Structure	Single-stage / Piston type
Inlet pressure	40/100/200/300 bar
Outlet pressure	20/40/60 bar
Cv	2.0
Materials	316L / Brass plating

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



Back pressure regulators

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



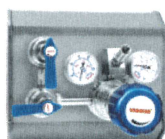
VSR-52 Series

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



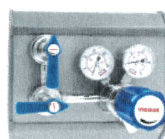
VSR-53 Series

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



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



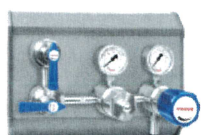
VSP-1E Series

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



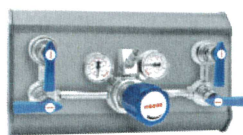
VSP-1H Series

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



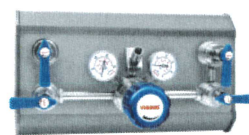
VSP-1DE Series

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



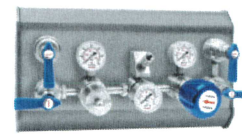
VSP-2 Series

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



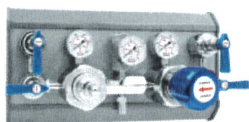
VSP-2E Series

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



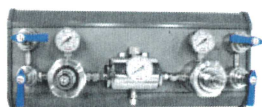
VSP-3AE Series

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



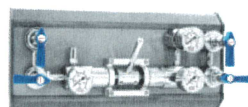
VSP-6A Series

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

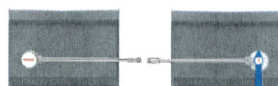


Mounting station Purge assemblies



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



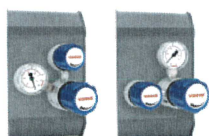
VSP-X Series

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

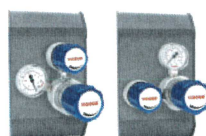
Name	Purge assemblies (Straight / Tee / Cross / Block & Bleed purge assemblies)
Inlet pressure	40/100/200/300 bar
Outlet pressure	2/4/10/20/35/50 bar
Orifice	Φ2.7mm
Materials	316L / Brass plating

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



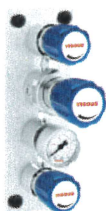
VSR-1ETG Series

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



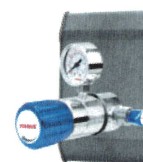
VSR-2TG Series

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



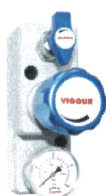
VSR-3TG Series

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

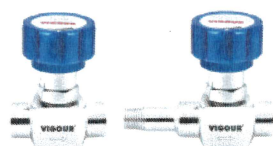
Structure	Single-stage / Diaphragm type
Inlet pressure	60 bar
Outlet pressure	2/4/10/20 bar
Cv	0.07
Materials	Aluminium alloy

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



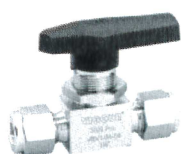
VDV31 Series

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



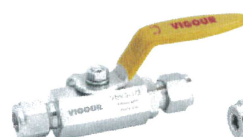
VBV1 Series

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

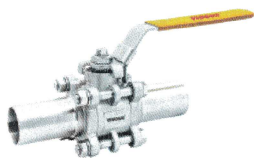
Name	Ball valves
Seat materials	PTFE
Pressure rating	69 / 206 bar
Inlet / Outlet	Tube fitting / NPT
Orifice	Φ2.4~10.3 mm
Materials	316



VBV3 Series

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





VBV4 Series

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



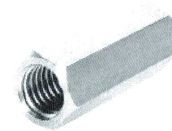
VNV Series

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



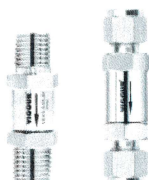
VCV-16 Series

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



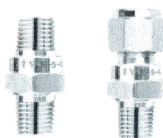
VCV Series

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



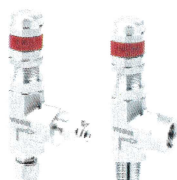
VCVH Series

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



VSV1 Series

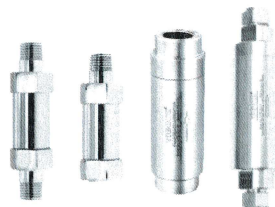
Name	Relief valves
sealing element	Viton® standard (Kalrez® optional)
Pressure	1~50 bar
End connections	1/4" NPT(M) / 1/4" NPT(F)
Materials	316L / Brass plating / Brass



VSV2 Series

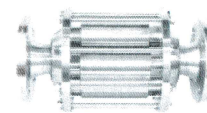
Name	Proportional relief valves
sealing element	Viton standard Other optional
Pressure	0.7~400 bar
End connections	Tube fitting / NPT
Materials	316 / 304

accessories and spare parts



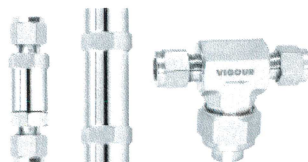
VFB50 / VFB100 Series

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



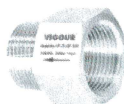
VFB200 Series

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



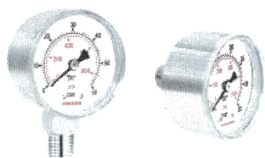
VSW Series

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
Scale	bar/psig Double scale
Inlet connection	1/4" NPT(M)
Dial Size	2"
Switching accuracy	±2.5%



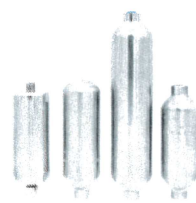
VG20SE Series

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



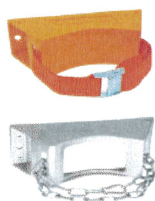
VG25E Series

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



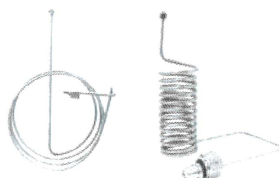
VWB Series

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



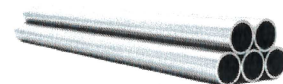
VPF / VPS Series

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



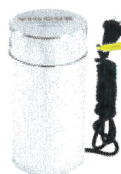
VPG / VPP Series

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



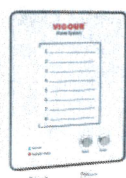
VTUBE Series

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



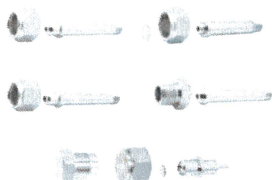
VAS200 Series

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