

# **NATURAL ACTIVE ILLUSTRIOUS**

Nai-lok will provide you with the most professional services, technical assistance and quality assurance, to optimize your system operation in the best state.



Authorized NAI-LOK  
Distributor in your territory

**NAI-LOK<sup>®</sup>**  
Advanced Control Technology



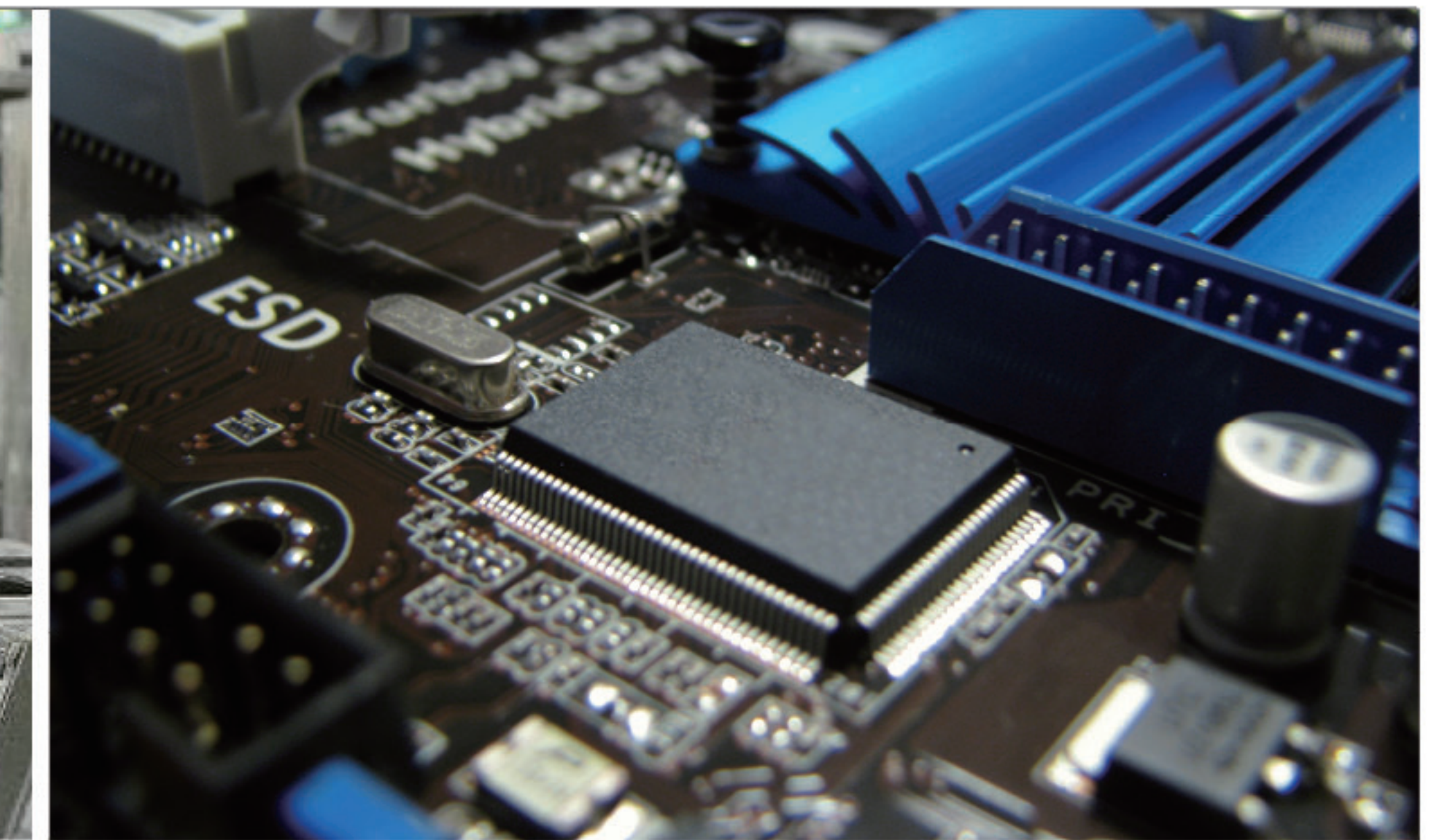
# BUSINESS INTRODUCTION

NAI-LOK's target is challenge and beyond the technical limits,continuing pursuit becoming the industry leader,Since the establishment,we have settled the developing direction of research and develop precise valve,regulator,fluid connectors and high-tech flow control system products.

NAI-LOK's products are widely accepted and approved by the users on its safety and stability. The application filed covering semiconductor industry,aero-space industry,solar power,petroleum and petrochemical industry,power energy,bio-pharmaceuticals industry and vacuum system,etc.

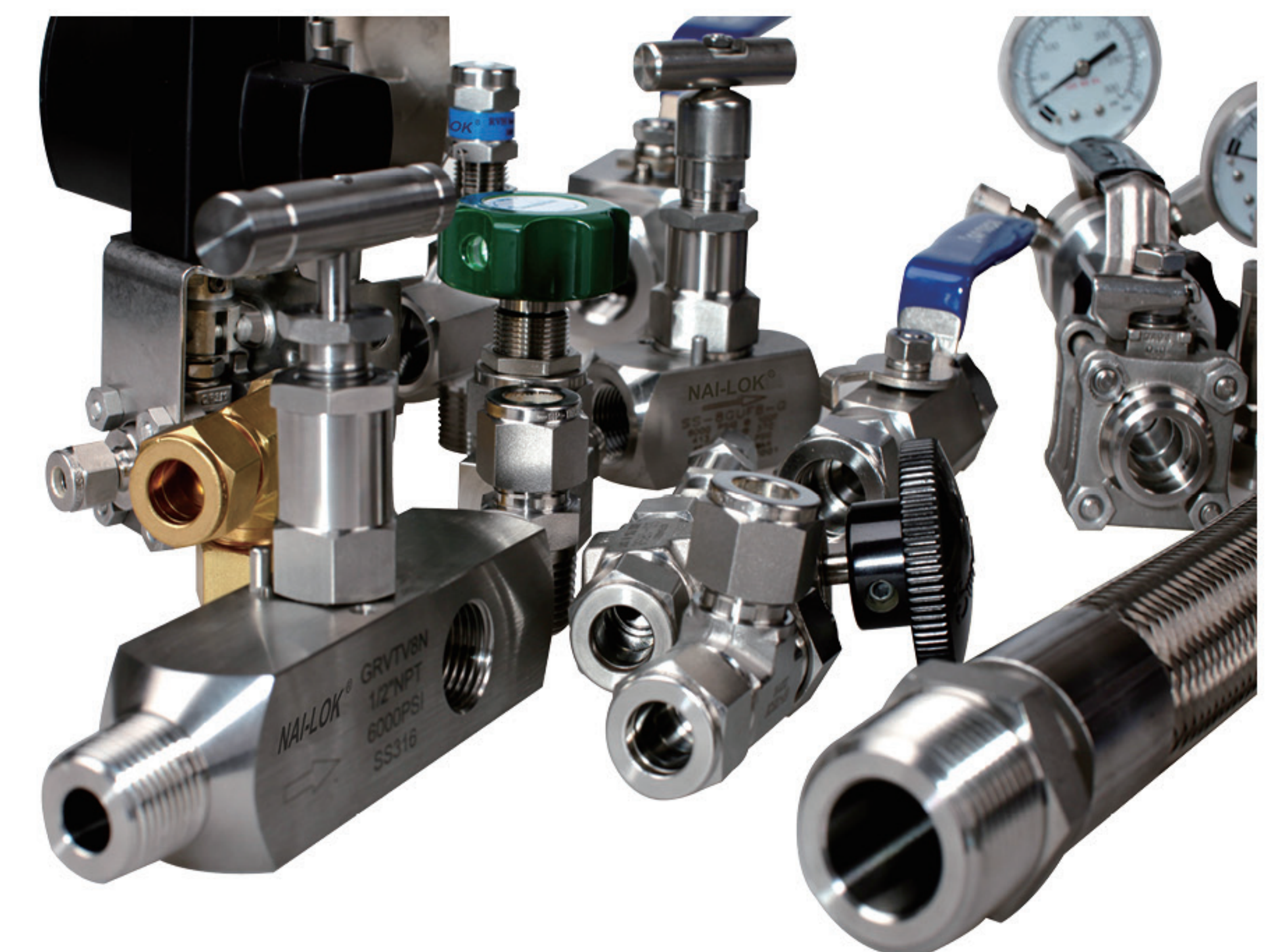
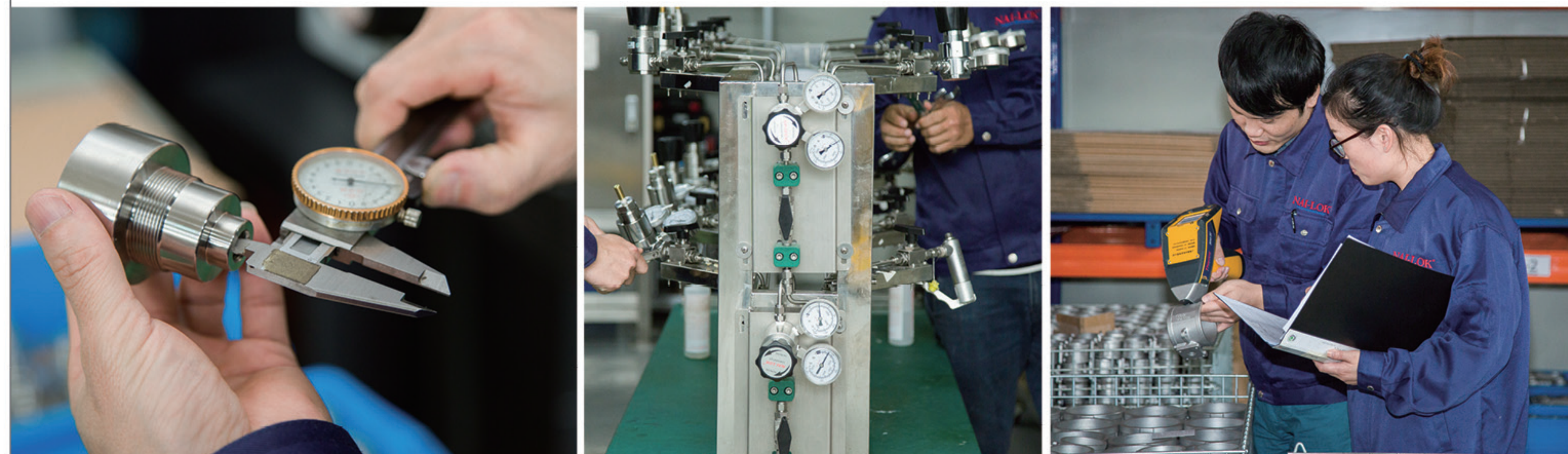
NAI-LOK will keep moving and making unceasing progress in the high-tech flow control field and serve the customers sincerely.

NAI-LOK's reliable products are made continuous progress by the aim of"super, extreme, pure, precise" in the flow control system



## Our Service

Whether you needs are components like regulators and valves or pressure systems and assemblies,NAI-LOK provides expert application and customer support from simple industrial applications to high tech complex projects.





## Regulator NR11 Series

- Stainless steel 316 or Chrome plated brass
- Maximum inlet pressure:400, 3500psig/27.6, 241 bar
- Outlet pressure ranges:  
0-25, 0-50, 0-100, 0-250, 0-500 psig  
0-1.7, 0-3.4, 0-6.9, 0-17.2, 0-34.5 bar
- Inlet and outlet size:1/4" Female NPT
- 6 ports flexible configuration



## Regulator NR41 Series

- Stainless steel 316 or Chrome plated brass
- Maximum inlet pressure:6000psig/414 bar
- Outlet pressure ranges:0-2500 psig/0-172 bar
  - Inlet and outlet size:1/4" Female NPT



## Regulator NR12 Series

- Stainless steel 316
- Maximum inlet pressure:500, 3000psig/34.5, 207 bar
- Outlet pressure ranges:  
0-15, 0-30, 0-75, 0-150 psig  
0-1.0, 0-2.1, 0-5.2, 0-10.3 bar
- Inlet and outlet size:1/2" Female NPT
- 3 ports or 4 ports



## Regulator NR31 Series

- Stainless steel 316 or Chrome plated brass
- Maximum inlet pressure:3500psig/241 bar
  - Outlet pressure ranges:  
0-25, 0-50, 0-100, 0-150, 0-250 psig  
0-1.7, 0-3.4, 0-6.9, 0-10.3, 0-17.2 bar
- Inlet and outlet size:1/4" Female NPT
  - Dual stage



## Regulator NR13 Series

- Stainless steel316
- Maximum inlet pressure:500, 3000psig/34.5, 207 bar
- Outlet pressure ranges:  
0-15, 0-30, 0-75, 0-150 psig  
0-1.0, 0-2.1, 0-5.2, 0-10.3 bar
- Inlet and outlet size:3/4" Female NPT



## Regulator NR61 Series

- Stainless steel316
- Maximum inlet pressure:500, 3000psig/34.5, 207 bar
  - Outlet pressure ranges:  
0-20, 0-50, 0-100, 0-150, 0-250 psig  
0-1.4, 0-3.4, 0-6.9, 0-10.3, 0-17.2 bar
- Inlet and outlet size:1" Female NPT

## Regualtor DHG Series

- Maximum inlet pressure: 300 psig /20.7 bar
- Outlet pressure ranges:  
0-20,0-50,0-100,0-150 and 0-250 psig  
0-1.4,0-3.4,0-6.9,0-10.3 and 0-17.2 bar
- Inlet and outlet size:1.5" Female NPT



## Regulator 86-1000 Series

- Stainless steel 316
- Maximum inlet pressure:10,000psig/690bar
  - Outlet pressure ranges:  
5-500, 10-1500, 50-6000, 200-10,000 psig  
0.35-34.5, 0.69-103, 3.4-414, 13.8-690 bar
- Inlet and outlet size:1/2" female NPT

## Ball Valve BR Series

- Single stage
- Gas supply panel for standard applications
- Inlet pressure 276Bar /4000psi,Outlet pressure range:0.2 ~ 21Bar / 3 ~ 300 psi
- Connection for 2x1 cylinders,upgradable for 2x4 cylinders
- Hastelloy-internals for corrosive gases as option



## Cylinder Valve

- Stainless steel 316
- Working pressure: 3000 psig
  - Inlet: W28.8
- Outlet: W21.8-LH/W21.8-RH

## Panel regulator PRM series

- Stainless steel316
- Working pressure: 1000 psig
- NAI-LOK 1/4" to 1" OD
- Pipe thread 1/4" to 1"
- Options for handle color



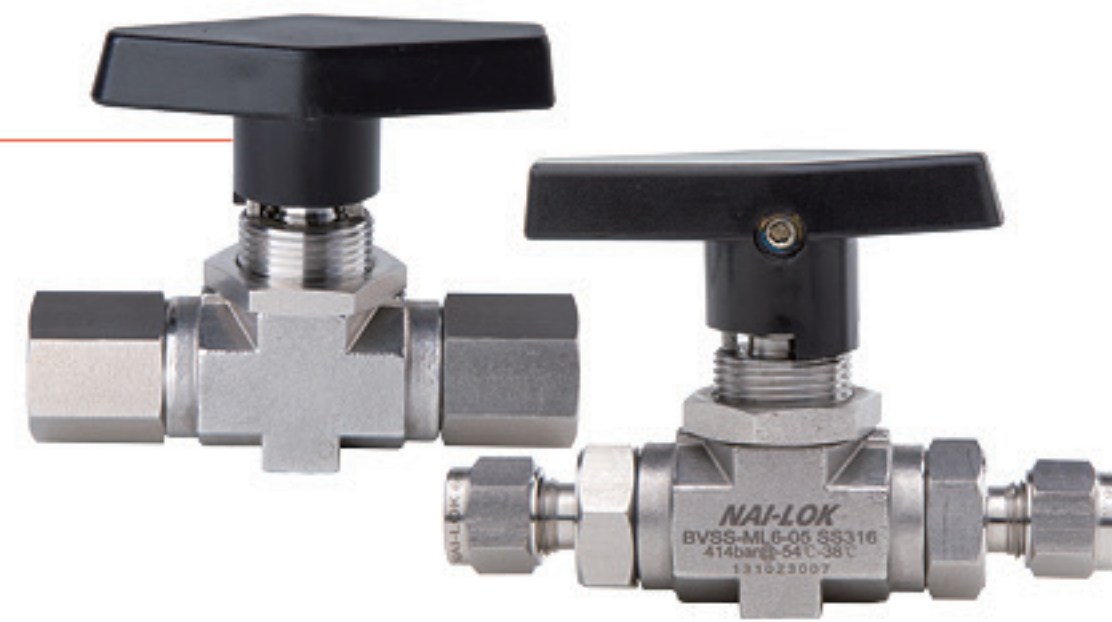
## Ball Valve BG Series

- Lowest Dead Volume Ball Valve
- Working pressure: 3000 psig
  - Stainless steel 316
  - 2-way and 3-way
- NAI-LOK 1/4" to 1/2" OD
- Pipe thread 1/4" to 1/2"



## Ball Valve BV Series

- 2-way bi-directinal valves
- 3-way diverter valves
- Working pressure: 6000 psig
- Stainless steel 316
- NAI-LOK 1/8" to 1/2" OD
- Pipe thread 1/8" to 1/2"



## Ball Valve BH Series

- 2-way on-off valves
- Working pressure: 6000 psig
  - Stainless steel
- NAI-LOK 1/2" to 1" OD
- Pipe thread 1/4" to 1"



## Ball Valve BO Series

- tainless steel 316
- Working pressure: 3000 psig
- Size:From 1/4" to 2"
- Every valve is 100% factory tested with Nitrogen @ 1000psi (69bar).
- Individually sealed in polyethylene bags for cleanliness.



## Pneumatic Actuator Ball Valve

- Stainless steel 316
- Pneumatic Actuator
- Single and double acting
- Working pressure: 1000psi,6000 psig
- Size: From 1/4" to 2"



## Needle Valve NG Series

- Stainless steel 316
- Maximum working pressure: 6000 psig(414 Bar)
- Working temperature:  
PTFE: -65° F to 450° F ( -54° C to 232° C )
- Size :From 1/4" to 1/2"



## Needle Valve NB Series

- Working pressure: 6000 psig
- Working temperature:  
PTFE: -65° F to 450° F ( -54° C to 232° C )  
Graphite: -65° F to 650° F ( -54° C to 343° C )
- NAI-LOK 1/4" to 1" OD
- Pipe thread 1/8" to 1"
- Pipe socket weld 1/4" to 1/2"



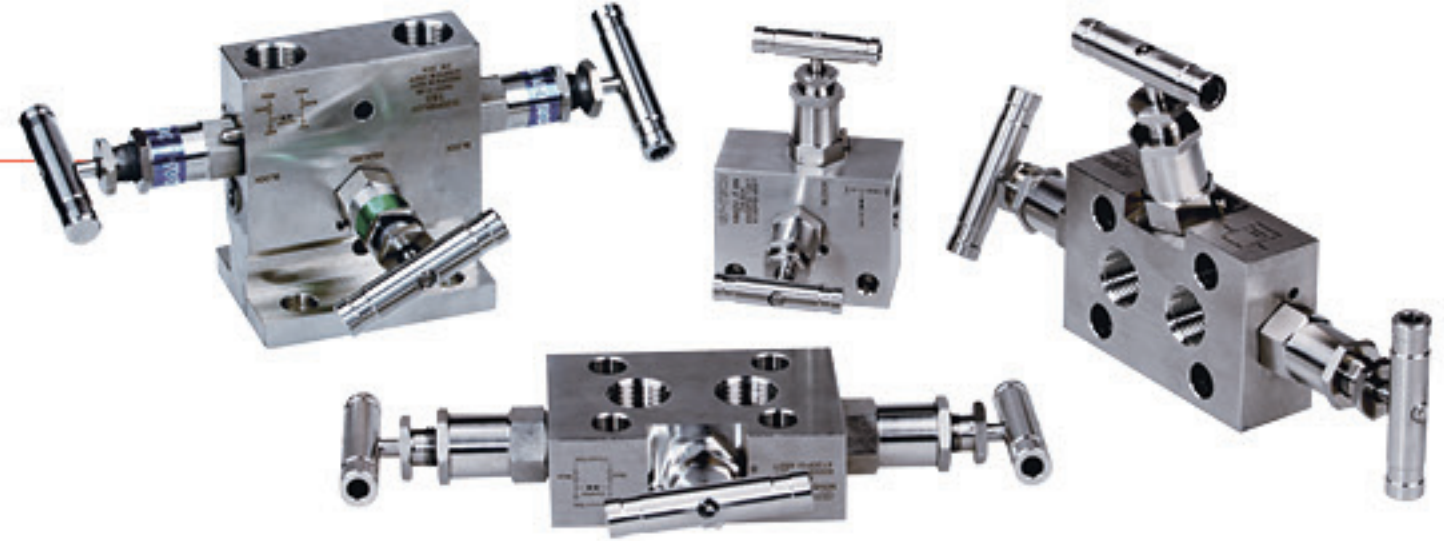
## Needle Valve GU Series

- Maximum working pressure: 6000 psig(414 Bar)
- Working temperature:  
PTFE: -65° F to 450° F ( -54° C to 232° C )  
Graphite: -65° F to 650° F ( -54° C to 343° C )
- High temperature packing and bonnet seal option available
- Compact design



## Gauge Valve GV Series

- Stainless steel 316
- Woring pressure: 6000 psig(414 Bar)
- 1/2" and 3/4" male to 1/2"female end connecions
- 1/2" female gauge ports standard



## Manifold Valve MV Series

- Stainless steel 316
- Working pressure: 6000 psig
- Vertical direct/remote mount
- 2,3 and 5 valve as standard



## Relief Valve RV Series

- Stainless steel 316
- Working pressure: Up to 6000 psig(414 bar)
- Cracking pressure: 15 to 6000 psig
  - -18 to 900 °F (-28 to 204°C )
- Size: From 1/4" to 1/2"



## Relief valve RH Series

- Stainless steel 316 / Carbon Steel
- Wide media applications:  
CNG, Air, Gases, and Liquid relief applications
- Working pressure: 6000 psig(414 bar)
- Cracking pressure:3700 to 5500 psig
- Size: 3/4" to 1"



## Tube Fittings

- Stainless steel 316
- Available in size: 1/8 - 2 in (3mm to 50mm)
- End Connections:NAILOK Compression, MNPT, FNPT, JIC, Tube Stub, BSPP, BSPT, Pipe Weld, Tube Butt weld, Tube Socket Weld



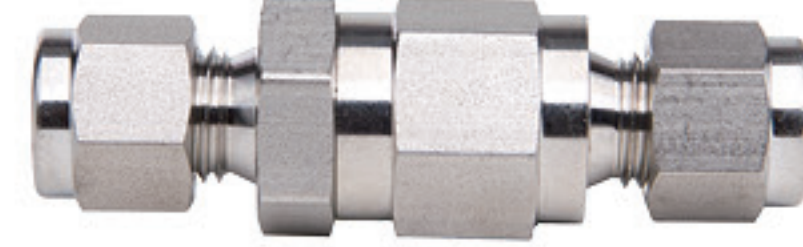
## Check Valve CV Series

- Stainless steel 316
- Working pressure: Up to 3000 psig(414 bar)
- Cracking pressure; 1/3 to 25 psig
- Size: From 1/8" to 1"



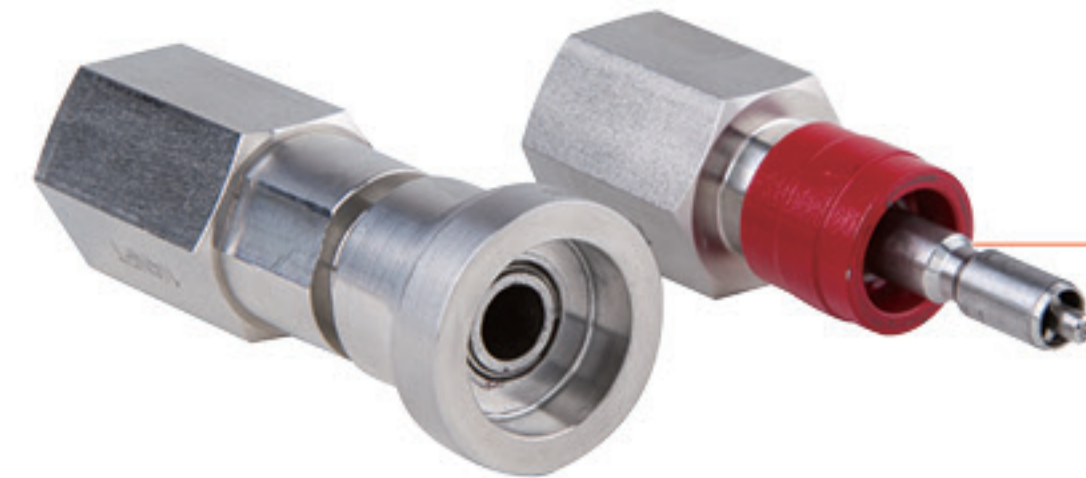
## Check Valve CVH Series

- Working pressure:6000 psig
- Standard micron filtering ranges:  
0.5,2,7,15,60 and 90 microns
  - Stainless steel 316
- NAI-LOK 1/8" to 1" OD
- Pipe thread 1/8" to 1"



## Filter FI Series

- Standard micron filtering ranges:  
0.5,2,7,15,60 and 90 microns
- Stainless steel 316
- NAI-LOK 1/8" to 1/2" OD
- Pipe thread 1/8" to 1/2"

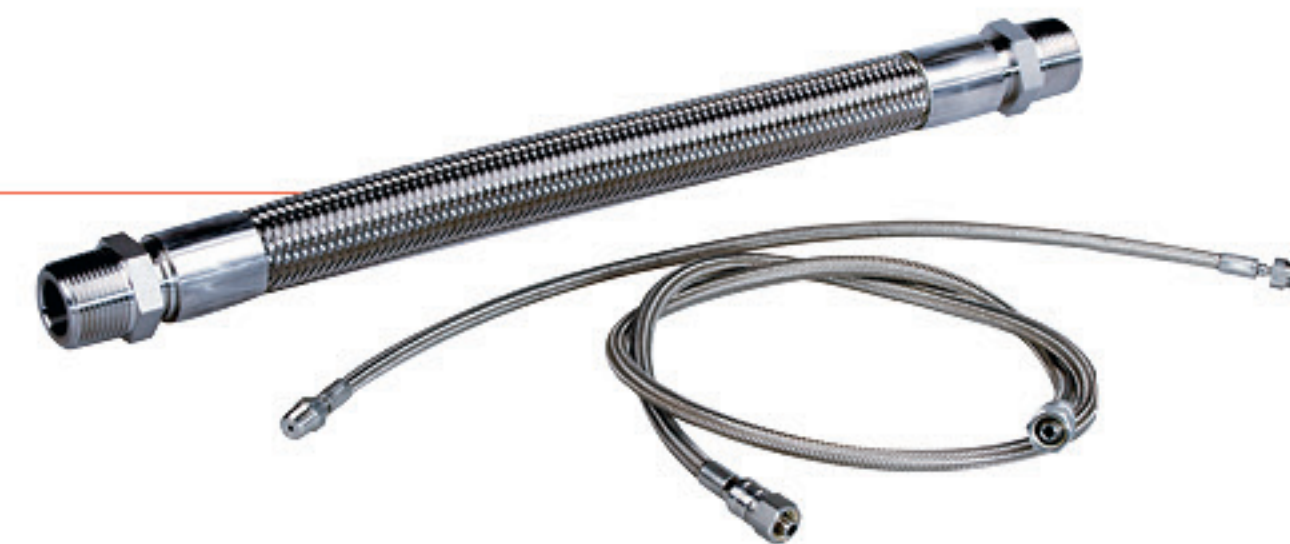


## Quick Connection QC Series

- Stainless steel 316
- Working pressure: 3000 psig(20bar)
- Bi-directions flow design
- Size: From 1/8" to 1/2"

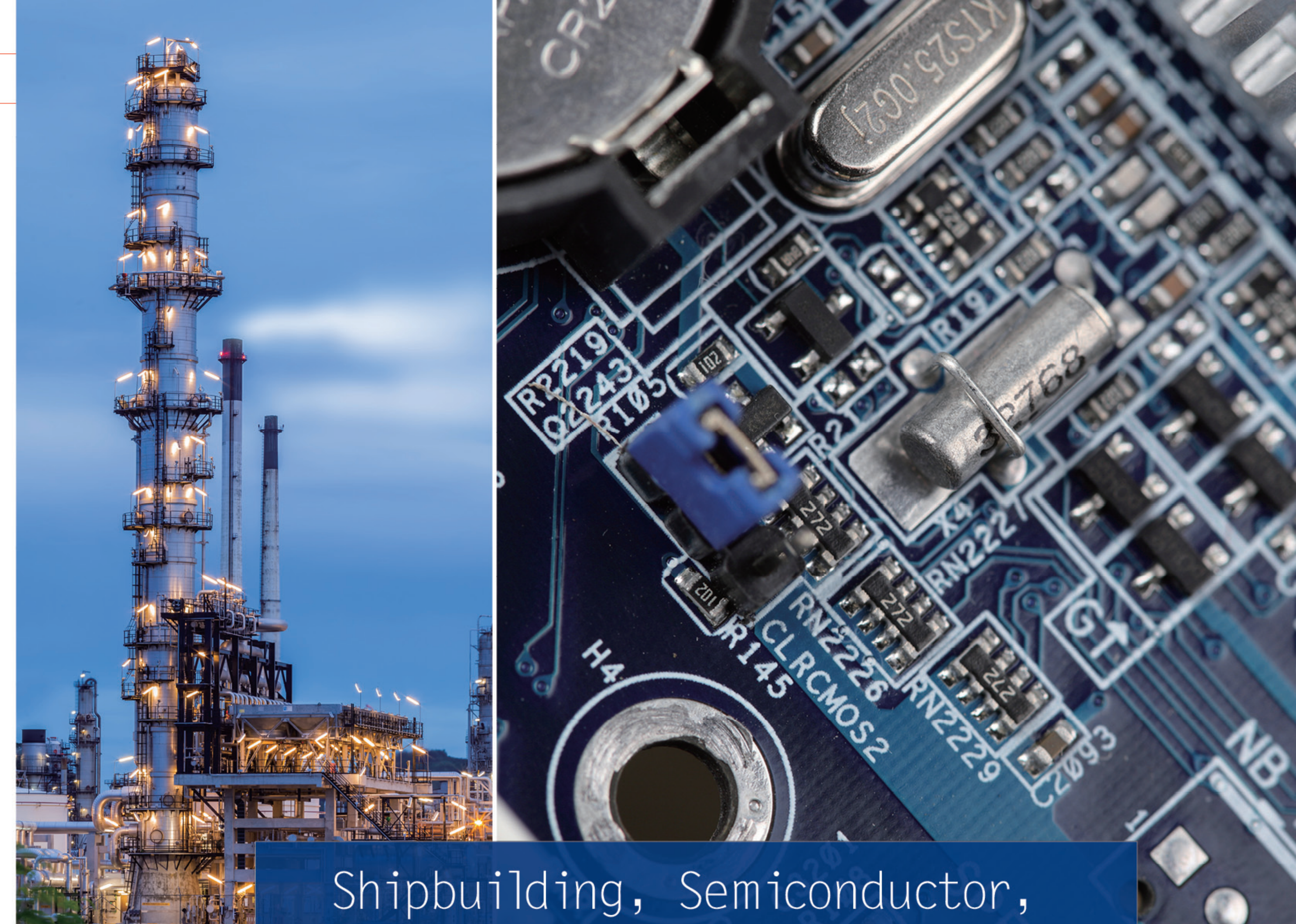
## Flexible Metal Hoses

- Working pressure:up to 4000 psig(276 Bar)
- Temperature:- 65° F to 450° F (-54° C to 232° C)
- Stainless steel end connections are available from stock in 1/4" to 1" size



## Stainless Steel Tubing

- Seamless tubes in straight length,precision cut or coils
  - Stainless steel 316,Alloy C276
- Size:1/8" to 2",3 MM to 50 MM
- Surface finish level: AP/ BA / EP



Shipbuilding, Semiconductor,  
Petrochemical Industry





## High Purity Gas Pressure Regulator

- Stainless steel 316
- Maximum inlet pressure:300psig/21.1 bar
- Outlet pressure:130 psig/9.1 bar
- Size:1-1/4" to 2"
- Connection: female NPT , tube butt weld



## Diaphragm Valve

- UHP grade 316LSS materials
- Working pressure:1 MPA
- Size:1/4"-1/2"
- End connection: NAI-Lok Port, VCR Butt Weld, Rotatable Male VCR

## Metal Seal Fittings

- High-purity stainless steels
- 1/16 to 1 in. and 6 to 18 mm sizes
- Can be used with manual or automatic welding equipment.



## Weld Fittings

- Working pressure:6000psi@100° F(38°C)
- Working temppressure: up to 1000° F(537°C)
- Internal surface finishes:BA Ra ≤ 10μinch  
EP Ra ≤ 10μinch
- Size:1/4"to 1"

## Bellows Valve

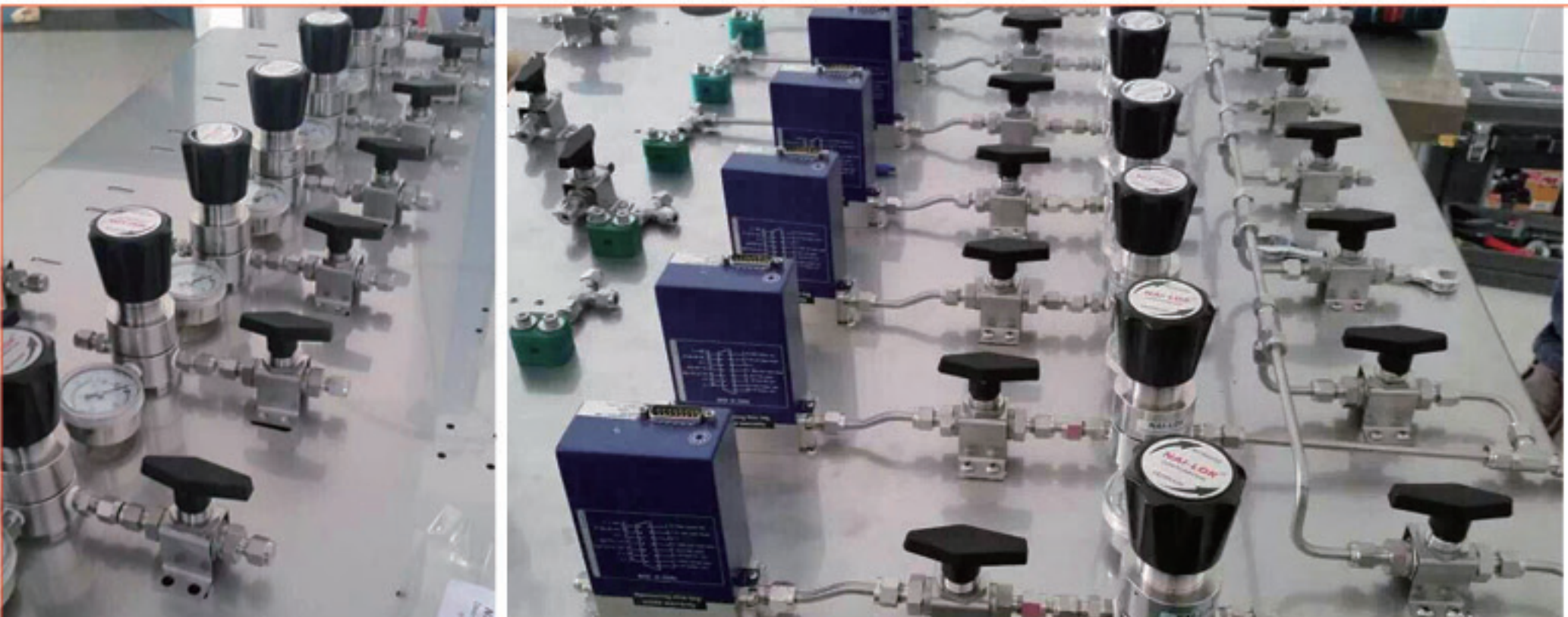
- Material: SS316,Alloy C276
- Working presssure:1 MPA
- Size:15A to 50 A,
- Handle colors available on request



## High Purity Clean Ball Valve

- Pressure rating up to 800PSIG(55 Bar)
- Swing out 3PC design for easy field maintenance
- All extend weld ends in SS316L material allows orbital welding in place
- Size:1/2 to 4 in.
- High purity cleaning (Oil free)

# SYSTEMS



Panel Regulator



Gas Sampling System



Instrument Panel

"NAI-LOK product display boxes are divided into semiconductor section and instrument section. Draw-bar box is a travel-friendly design. Please contact us or your nearest distributor if you are interested in the product display box."

