

**USA
IP.\C**





USA IPAC LLC

We are an engineering and distribution company, specializing in process application solutions through our high-quality and varied represented brands: VSI Controls, PetrolValves, BMD, Carraro, Profire, and SWI

With 30+ years of experience in the Americas, our solutions stem from Worldwide instrumentation leaders, and we pride ourselves on fast responses, technical counseling and engineering for product selection, decades of experience, and fast and efficient global delivery solutions.

VSI CONTROL



General service

- o Clean Process
- o < 800° F
- o < 600# ANSI Class
- o < 300 psi ΔP

High performance

- o Dirty, coking process
- o Hazardous process
- o Moderate erosion
- o Moderate corrosion
- o Tight shutoff
- o > 300 psi ΔP

Severe service

- o Flashing
- o Cavitation
- o Noise
- o Erosion
- o Corrosion
- o > 600# ANSI Class
- o > 800°F



PETROLVALVES



On-Off Valves

- o Ball
- o Gate
- o Globe
- o Check
- o Triple offset
- o Axial Flow

Control Valves

- o Globe
- o Butterfly
- o Eccentric Plug
- o V-Notch ball
- o Ball
- o Desuperheaters
- o Choke
- o Triple offset
- o Axial Flow
- o Actuators

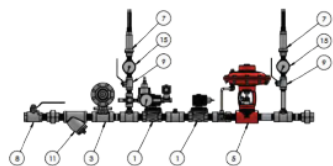
Standards

- o API-6D o ISO9001
- o API-6DSS o API17D
- o API-6A o CE
- o API-600 o PED

Special applications

- o LNG / Cryogenic
- o Alkylation / HF Acid-Control valves
- o High temperature
- o HIPPS integrated system
- o PTA
- o Submarine Actuators
- o Axial Flow
- o Energy generation
- o Erosive/Abrasive environments
- o Coker
- o Mining
- o Double Lock and Plugged





- o Automatic ignition system.
- o Pilot flame control and monitoring.
- o Integrated alarm system for high temperatures, Level and Loss of flame

Burned Managment System

- o Backup and restore configuration for quick startup.
- o Comprehensive diagnosis and event registration.
- o Single and double pilot ready.
- o Integrated Modbus.
- o Integrated data logging.

Line Fuel Train

- o Temperature control
- o Main regulator
- o Z21.21, 6.5 C/approved solenoids
- o 2000 WOG stainless ball valves
- o 2000 PSI SA105 fittings
- o 316 stainless dual ferrule tubing

- o PF M7™ HIGH-PERFORMANCE BURNER
- o PF BULLSEYE™ FLAME ARRESTOR

FLV INDUSTRIAL VALVES



Products

- o API 600 GATE VALVES
- o API 6D BALL VALVES
- o BS 1873 GLOBE VALVES
- o BS 1868 CHECK VALVES
- o API 6D SLAB GATE VALVES
- o API 594 WAFER CHECK VALVES
- o FLV CONTROLS PNEUMATIC ACTUATOR



Certificates

- o API 6D
- o API 600
- o ISO 9001
- o CE 1282
- o ISO 45001
- o ISO 14001
- o RUSSIA TR CU EAC
- o API SPEC 6FA
- o API STANDARD 607
- o PAT-TAT
- o ISO 15848-1 CERTIFICATES
- o API 624 CERTIFICATES

BMD



Control Valves

- o Globe, tee and angle bodies.
- o 1" and 2" female NPT, flanged, butt weld and socket weld connections.
- o Direct/Reverse No. 35 and No. 70 actuators.
- o Quick open and throttling (0.25"-1.00") trim in SST and tungsten carbide.
- o 4,000 psi pressure rating.
- o -50°F to 200°F temperature range
- o NACE and low-temp options available.



Glass Liquid Level Gauges

- o 1/2" FNPT (standard) top-bottom connections.
- o 3-9 standard glass sizes.
- o Reflex or transparent style options.
- o Glass conforms to BS3463, DIN 7081.
- o Wetted parts conform to NACE MR-01-75.

Relief Valves

- o NPT and flanged connections.
- o Wide variety of inlet/outlet combinations.
- o 15-3000 psi set pressure range.
- o 304/316 trim with D to M orifice sizes.
- o -50°F to 400°F temperature range
- o NACE and low-temp options available.



- o LEVEL CONTROL
- o LEVEL TRANSMITTERS



Applications

- o Fuel & Chemical Storage
- o Oil/Water Separators
- o Generator Set Fuel Tanks
- o Day Storage Tanks
- o Off-Road Fuel Containers
- o Food & Beverage Processing
- o Medical & Pharmaceutical
- o Underground Tanks
- o Chillers & Cooling Towers

Materials

- o 316 Stainless Steel
- o Buna
- o Polypropylene
- o PVDF
- o PVC
- o Polysulfone
- o Nylon

Process Conditions

- o Temperature: -40 to +300 °F (-40 to +149 °C)
- o Pressure: 600 PSIG (41.4 bar)

CARRARO



Desuperheaters

- o DSH
- o Cold Coolers

Regulator

- o Pilot self actuated control valves
- o pressure control valves
- o Self actuated control valves direct action

Safety Valves

- o POP ACTION
- o PROPORTIONAL LIFT
 - CS 35 orifice D/E
 - CS 35 orifice G/J

VALVE AUTOMATION

o USA IPAC LLC Valve & Automation staff is knowledgeable and experienced. We use this to benefit our customers and their businesses in topics as simple as a customized on-hand inventory, all the way to providing potential design and process improvements in any given industrial process unit or specialized metal stress analysis capabilities for their automated valve hardware. At USA IPAC LLC, our deep talent and technical skills in manual and automated valves enable us to solve our customer's most demanding requirements.

FIELD SERVICES

o USA IPAC LLC can offer our customers field service technicians to perform the following services for our Control Valve and Automation Solutions:

- Commissioning
- Preventive Maintenance
- Troubleshooting / Testing
- Technical Advisory
- Spare Parts

USA IPAC LLC

**Master Distributors for VSI CONTROLS SRL a division of PETROLVALVES.
Control Valve sales and Technical Support.**

Our vision is to be a widely recognized equipment supply leader in the North American Oil & Gas industry. Our approach is to be selected by our customers based on our product optimization and innovation, capabilities toward engineered designs, and the cutting edge solutions and services we provide.

The mission for USA IPAC LLC is to support our customers, giving them the best solutions, satisfying their needs, and offering high quality engineering advising to select the product they need to be delivered on time.



HEADQUARTERS

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