Established in 1993, Pipeline Actuation & Control (PAC) has built up a base of Australian and International clients on both Australian and Overseas Projects. Our local team, working to our ISO 9001 certified Quality Management System, have a wide range of expertise in the valve industry and a strong understanding of our products and how they fit within your system or project requirements. Our portfolio includes, but is not limited to the following products:

**Ball valves**

Floating ball, two or three piece body, screwed or bolted execution, side entry trunnion mounted ball valves (soft or metal to metal seated), bolted or welded execution, double block and bleed valves, subsea, fitted with ball or needle drain and vent valves upon request.


Rating: ASME Class 150 to 4500lbs

**Actuators**

Rack and Pinion, Scotch Yoke, Electric, Pneumatic, Hydraulic, Electro Hydraulic, ROV for all applications including SDV, ESD, SSIV, HIPPS. Suitable for quarter turn & linear valve applications. PAC can offer assembly with valves, testing and repairs.

**Control Systems**

Design, manufacture & integration of control systems on new valve assemblies is our further commitment to providing solutions and adding value to our customers within the Oil & Gas sector. Our Internal Engineering team design tailor made solutions, manufacture and testing of control systems, automation packages and also completed in our Perth workshop giving clients the confidence of quality, reliability and longevity of components available. PAC can provide a solution.

**Forged Steel Valves**

Gate, Globe, Stop, Needle, Piston, Ball, Swing Check. Sizes: DN08 to DN50 (1/4” to 2”) reduced and full bore with multiple end options and design options including, OS&Y, ISRS, Y Style, Angled, Bellows Seal, Cryogenic, Bonnetless and Pressure Seal designs.


Rating: ASME Class 150 to 4500lbs.
Cast Steel Valves

Gate, Globe, Check.

Sizes: DN50 to DN900 (2” to 36”) reduced & full bore. End connections include Flanged, Socket and Butt weld ends.


Rating: ASME Class 150 to 4500lbs.

Dual Plate Check Valves

Sizes: DN50 to DN2000 (2” to 80”) Wafer, Lug, Double Flange, Butt weld and Hub Type end connections. Retainerless and Non Retainerless option.

Rating: ASME Class 150 to 2500lbs, API 6D & Class 2000 to 10,000psi.


Triple Offset & High Performance Butterfly Valves

Sizes: DN50 to DN1200 (2” to 48”) Wafer, Lug, Double Flange, Butt weld and Hub Type end connections

Class: 150lbs to Class 2500lbs.

Body Patterns - Wafer, Lugged, Double Flanged, Butt weld Ends.


Double Block & Bleed Valves

Process Interface valves in Compact Block, Block and Bleed or DBB

Anti-Blowout Valve Stems & Non Rotating Needle Tips.

Sampling & Injection configurations also available.

Sizes: DN15 to DN80 (1/2” to 3") Flanged and Threaded Connections

Rating: ASME Class 150 to 2500lbs and API 6A 5,000 to 15,000psi.


Monoflanges

Compact single flange-mounted manifold configurations. Single block, block and bleed or double block and bleed configurations, OS&Y (Outside Screw & Yoke) bolted bonnet and integral screwed bonnet construction, Anti-blowout valve stems and non-rotating . ANSI B16.5 flanged inlet connections from DN15 to DN80 (1/2” to 3")

Rating: ASME Class 150 to 2500lbs. API 6A up to 10,000psi. needle tips.

Standard materials: 316SS.

Optional materials: CS, Duplex, Super Duplex, Monel 400, Hastelloy C276, Inconel 625, Titanium & Incolloy 825 Fire

Instrumentation Valves & Manifolds

Pressure from 6,000psi up to 60,000psi. PTFE & GRAPHOIL packing for varied temperature ratings. Port Size from 1/4” up to 1” (DN15 to DN25).

Wide range of 2,3,4 and 5 valve instrumentation manifolds. 2 Valve manifolds are designed for static pressure and liquid level applications. 3,4 and 5-valve manifolds are designed for differential pressure applications.

Standard materials: 316SS.


Upstream Oil & Gas Valves

API 6A Mud Slab, Expanding & Through Conduit Gate, Choke Valve, Sub Surface Safety Valve

Heavy duty design with easy maintenance providing reliability & long life service.

API 6A design

Wear resistant trim

Pressures up to 15,000psi

Available with Hydraulic, Pneumatic and Electric Actuation.

Upstream Oil & Gas Valves

Strainers and Special Equipment

Strainers - Basket - Simplex and Duplex - “Y” Type - “Tee” Type - Conical & Temporary

Strainers for various Duties/Cycles/Flowrates, Angle or inline construction

Sight Glasses

Condensate Traps

Steam Traps


Rating: ASME Class 150 to 4500lbs.
Solenoid Valves

Solenoid Valves are available for a great variety of systems and different industrial areas that handle water, air, steam, light oils, natural gases and cryogenic fluids, from vacuum to high pressure and high temperature.

Diaphragm Valves

Food, Pharmaceutical, Water & Sewage Treatment Plants, Mining, Process Plants, Slurry, Pulp & Paper

Positioning/Flow control options

Manual and Actuated pneumatic or electric

Bubbletight shut-off

Modular design

Plastic Valves

Ball Valves, Check Valves, Pressure Regulating and Relief Valves, Metering Pumps, Solenoid Valves, Butterfly Valves, Pinch Valves, Flow Control Valves, Sight Glasses and Specialty Piping Components

Materials: PVC, CPVC, PVDF, HALAR, HDPE, ABS, PYREX

Flanged, Threaded, Spigot, Flare and Weld End Connections

HP Valves & Fittings

Ball Valves to 20,000 psi (1,380 bar)

Needle Valves to 60,000 (4,138 bar)

Check valves to 60,000 psi (4,138 bar)

Adaptors, Fittings and Tubing to 60,000 psi (4,138 bar)

Tube, Thread and Welded fittings

OD 1/16—2 in, 2mm—38mm

NPT, BSPP, BSPT, ISO, JIS, SAE

SS316, Brass, Carbon Steel, Titanium, Hastelloy, Alloy825, 625, 900

Heat Code Traceability

Rolled Male Thread Construction

Reusable

Air Driven Booster Pumps

Simple in design but cost-effective and energy efficient, our air driven pumps produce up to 33,500 psi (2,310 bar) of hydraulic pressure or 10,000 psi (689 bar) pneumatic pressure using just 100 psi (6.9 bar) of air pressure.

Can be supplied as a single unit or as part of a skid with supply and full controls.

Quick Acting Spectacle and Sliding Line Blinds

Designed for user friendly operation to replace traditional line blinds, one turns the hand wheel to slide the blind plate and secure the blind.

Materials: Carbon Steel, Stainless Steel, Alloys and Exotic Steel.

Rating: ANSI Class 150 to 1500lbs.

Sizes: DN20 (3/4") to DN1200 (48")

Directional Control & Safety Valves

Pneumatic, hydraulic and electrically operated components. Primarily for Upstream, Midstream and Downstream Oil and Gas operations.

Modular Valve Bodies can offer thousands of combinations to meet most valve applications.

Valves are tested in accordance with the PED 97/23/EC requirements.

Suitable for use in a Safety Instrument System (SIS) with a Safety Integrity Level (SIL) 3 rating.
Filters

Hydraulic filter housings, elements and filtration systems for the Global Industrial and Aerospace markets. Our product line ranges from high to medium and low pressure hydraulic filters and filtration systems. Custom Compressed Natural Gas (CNG), Hydrogen and Alternative Fuel filters can be designed for your specific application.

Flowmeters & Flowswitches

With a large inventory of components ready to assemble we can offer the following in a variety of sizes, ranges and materials
- Flow Switches
- Coriolis Mass Flow Meter
- Kinetic Flow Meter
- Metal Tube VA Flow Meter
- Glass/Plastic VA Flow Meter
- Paddle Wheel Flow Meter
- Oval Gear Flow Meter
- Ultrasonic Flow Meter
- Turbine Flow Meter
- Magnetic Induction Flow Meter
- Orifice and Pitot Tube Flow Meter

Hi-Low Pressure sensing “Pilot”

Pilot assemblies assembled and tested in house, sends a pilot signal when the process pressure goes outside of the set range (high or low)
- 0.5—10,000psi sensing range
- 316SS Construction
- Optional manual re-set valve

Excess Flow Valves and Velocity Switches

Providing instant shut off in the event of a hose break or line failure, our excess flow valves can be disassembled for repair or inspection without removal from pipeline. They are field adjustable with a broad adjustable range, meet OH & S requirements for safety shutoff valves and operate effectively with liquids or gases and are suitable for in-line flow.
- Materials: Bronze, Carbon Steel, Cast Iron, Forged Steel, 316
- Set Point Accuracy: ±10% maximum
- Repeatability: ± 5%

Established in 1955 and proudly Australian owned, H.I. Fraser Pty Ltd has grown to be a multi-faceted organisation providing a diverse product and service range in hydraulic and pneumatic system supply, design, build, maintenance and certification, throughout the Asia Pacific Region.

H.I. Fraser includes six distinct business units employing a combination of expertly trained engineers, technicians and support staff backed up by a robust ISO9001:2000 management system – ensuring that our products and services are delivered to the highest standards.

With facilities in Sydney and Perth, H.I. Fraser is strategically placed to support our Customers with extensive stocks of standard equipment and spares as well as design, manufacture and through life support of specialised systems.

Since joining the H.I. Fraser group in 2010 we have worked closely with the HIF engineers and technicians to offer site survey, design, manufacture and on-site installation of specialist Pneumatic and Hydraulic systems for industry. Over the years we have designed, built and installed a wide variety systems, including:

- Well Head Control Panels
- Chemical Injection and Distribution Skids
- Valve Shutdown Systems
- Chemical Metering Systems
- Gas Analyser Systems
- Gas Filling Systems

These services are backed up by a large inventory of typical components used in these systems to facilitate quick deliveries.