



**Product  
Portfolio**

# COMPANY PROFILE

**KVC (UK) Ltd specialises in the Design and Manufacture of Ball Valves and Associated Products for the Oil, Gas, Chemical, Petrochemical, Pipeline and Water Industries worldwide. Our valves are used in offshore, onshore and sub-sea applications.**

The Management of the Company has many years experience in the Valve Industry. The organisation and flexibility of the company allows **KVC (UK) Ltd** to offer short leadtimes, even on non-standard valves.

All valves are manufactured to the highest quality standards and are fully tested before leaving the factory.

The aim of **KVC (UK) Ltd** is to provide products and services, which meet or exceed our Customers' requirements, at a realistic price and reliable manufacturing time and in so doing remain a market leader supplying to a worldwide base of industry leading clients.

**KVC (UK) Ltd** uses computerised systems to control the design and manufacture of the product and to ensure the latest technical and material innovations are recognised.

Our diverse product range includes both Trunnion Mounted Valves and Floating Ball from 1/2" thru 60", both full and reduced bore, and in pressure classes 150 thru 2500 including API 5,000 and 10,000. Valves are manufactured in a wide range of materials from Carbon Steel to Super Duplex and Exotic Alloys. Valves are offered in Soft Seated or Metal Seated Options.

We also offer Gate Valves, Globe Valves, Non Return Valves, Resilient Seated, Double & Triple offset Butterfly Valves, as well as Strainers and other valve types.

All of our active valves can be provided with actuation systems, sourced from Industry leader, fitted and tested by our own technicians.

**KVC (UK) Ltd** quality system is Lloyds approved to BS: EN ISO 9001:2008 which ensures that our product is controlled through each stage of manufacture. Valves are supplied with full chemical and mechanical material test certificates to BS EN 10204:2004 3.1. Hydrostatic and Pneumatic test certificates are also supplied with each valve.

**KVC (UK) Ltd** is part of the **Federal International (2000) Group**. This long-standing relationship coupled with our own expertise has allowed **KVC (UK) Ltd** to grow and develop into our current and ever improving place within the market.

As part of a large multi-national group, **KVC (UK) Ltd** has the benefit and experience of our United Kingdom based operations together with worldwide access to our parent company resources and our numerous sister companies.

These valuable resources afford us global reach, whilst allowing local access and understanding of both global and local markets. Allowing us to provide local technical support in almost any region.

Our key position within the group enables us to offer full management and supply of valves, services and subsidiary equipment. We also offer access to a large and continuously replenished inventory of our core in-house designed products and all others available within the group.

We can supply large quantities of varying product ranges almost instantly or equally manufacture at our various **KVC (UK) Ltd** controlled manufacturing sites with short lead times and impeccable quality.



# PRODUCTS

## VALVE DESIGNS



PRODUCT	BALL VALVE TRUNNION MOUNTED 3-PIECE	BALL VALVE TRUNNION MOUNTED FULLY WELDED CONSTRUCTION	BALL VALVE TRUNNION MOUNTED TOP ENTRY	BALL VALVE SUBSEA APPLICATIONS	BALL VALVE CRYOGENIC APPLICATIONS	BALL VALVE METAL to METAL SEAL TRUNNION & FLOATING
IMAGE						
FEATURES	Full Bore and Reduced Type Blow-out Proof Stem Firesafe and Anti-static Construction Dependable and Easy Operation Double Block and Bleed Function Bolted Construction Secondary Sealant Injection	Full Bore and Reduced Type Blow-out Proof Stem Firesafe and Anti-static Construction Dependable and Easy Operation Double Block and Bleed Function Fully Welded Construction Secondary Sealant Injection	Full Bore and Reduced Type Blow-out Proof Stem Firesafe and Anti-static Construction Dependable and Easy Operation Double Block and Bleed Function Bolted Construction Secondary Sealant Injection	Full Bore and Reduced Type Blow-out Proof Stem Firesafe and Anti-static Construction Dependable and Easy Operation Double Block and Bleed Function Bolted Construction Secondary Sealant Injection	Full Bore and Reduced Type Blow-out Proof Stem Firesafe and Anti-static Construction Dependable and Easy Operation Double Block and Bleed Function Bolted/ Welded Construction Secondary Sealant Injection	Full Bore and Reduced Type Blow-out Proof Stem Firesafe and Anti-static Construction Dependable and Easy Operation Double Block and Bleed Function Bolted Construction Ball and Seat Hard surface Coating
END CONNECTION	ASME RF/ RTJ Flange/ BWE/ HUB/ NORSO&K/	ASME RF/ RTJ Flange/ BWE/ HUB/ NORSO&K/	ASME RF/ RTJ Flange/ BWE/ HUB/ NORSO&K/	ASME RF/ RTJ Flange/ BWE/ HUB/ NORSO&K/	ASME RF/ RTJ Flange/ BWE/ HUB/ NORSO&K/	ASME RF/ RTJ Flange/ BWE/ HUB/ NORSO&K/
SIZE	2" - 56" DN50-1400 (Full Bore) 2" - 56" DN50-1400 (Reduced Bore)	2" - 56" DN50-1400 (Full Bore) 2" - 56" DN50-1400 (Reduced Bore)	2" - 56" DN50-1400 (Full Bore) 2" - 56" DN50-1400 (Reduced Bore)	2" - 56" DN50-1400 (Full Bore) 2" - 56" DN50-1400 (Reduced Bore)	2" - 56" DN50-1400 (Full Bore) 2" - 56" DN50-1400 (Reduced Bore)	2" - 56" DN50-1400 (Full Bore) 2" - 56" DN50-1400 (Reduced Bore)
TEMPERATURES	-196 +280C	-196 +280C	-196 +280C	-196 +280C	-196 +280C	-196 +280C
PRESSURE	ANSI CLASS 150-2500 API 5000, 10000	ANSI CLASS 150-2500 API 5000, 10000	ANSI CLASS 150-2500 API 5000, 10000	ANSI CLASS 150-2500 API 5000, 10000	ANSI CLASS 150-2500 API 5000, 10000	ANSI CLASS 150-2500 API 5000, 10000
BODY	Carbon/ LTCS/Stainless Steel/ Duplex/Inconel	Carbon/ LTCS/Stainless Steel/ Duplex/Inconel	Carbon/ LTCS/Stainless Steel/ Duplex/Inconel	Carbon/ LTCS/Stainless Steel/ Duplex/Inconel	Stainless Steel/ Duplex/Inconel	Carbon/ LTCS/Stainless Steel/ Duplex/Inconel
BALL	Carbon/ LTCS/Stainless Steel/ Duplex/Inconel	Carbon/ LTCS/Stainless Steel/ Duplex/Inconel	Carbon/ LTCS/Stainless Steel/ Duplex/Inconel	Carbon/ LTCS/Stainless Steel/ Duplex/Inconel	Stainless Steel/ Duplex/Inconel	Carbon/ LTCS/Stainless Steel/ Duplex/Inconel
STEM	Carbon/Stainless Steel/Duplex/ Inconel	Carbon/Stainless Steel/Duplex/ Inconel	Carbon/Stainless Steel/Duplex/ Inconel	Carbon/Stainless Steel/Duplex/ Inconel	Stainless Steel/Duplex/Inconel	Carbon/Stainless Steel/Duplex/ Inconel
SEAT	RPTFE/ NYLON/ DEVLON/ PEEK	RPTFE/ NYLON/ DEVLON/ PEEK	RPTFE/ NYLON/ DEVLON/ PEEK	RPTFE/ NYLON/ DEVLON/ PEEK	RPTFE/ PCTFE/ METAL	RPTFE/ PCTFE/ METAL
SEALS	VITON/ NBR/ HNBR/ FFKM/ AED/ LIPSEALS/ GRAPHOILS	VITON/ NBR/ HNBR/ FFKM/ AED/ LIPSEALS/ GRAPHOILS	VITON/ NBR/ HNBR/ FFKM/ AED/ LIPSEALS/ GRAPHOILS	VITON/ NBR/ HNBR/ FFKM/ AED/ LIPSEALS/ GRAPHOILS	LIPSEALS/ GRAPHOILS	VITON/ NBR/ HNBR/ FFKM/ AED/ LIPSEALS/ GRAPHOILS
OPTIONAL FEATURES	Burried Service Extension Stems Special Bore Dimensions Bespoke Design	Burried Service Extension Stems Special Bore Dimensions Bespoke Design	Burried Service Extension Stems Special Bore Dimensions Bespoke Design	Extension Stems Bespoke Design	Extension Stems	Burried Service Extension Stems Special Bore Dimensions Bespoke Design

# PRODUCTS

## VALVE DESIGNS

PRODUCT	BALL VALVE 2-PIECE FLOATING	BALL VALVE 1-PIECE FLOATING	BALL VALVE SCREWED & WELD END	BALL VALVE 3-WAY CONFIGURATIONS	BALL VALVE STEAM JACKETED	BALL VALVE TANK BOTTOM
IMAGE						
FEATURES	Full Bore and Reduced Type Blow-out Proof Stem Firesafe and Anti-static Construction Dependable and Easy Operation Bolted Construction	Reduced Bore Type Blow-out Proof Stem Firesafe and Anti-static Construction Dependable and Easy Operation	Full Bore and Reduced Type Blow-out Proof Stem Anti-static Construction Dependable and Easy Operation 1/ 2 / 3 - Piece Designs Bolted/ Welded Construction	Full Bore and Reduced Type Blow-out Proof Stem Anti-static Construction Dependable and Easy Operation Firesafe Construction	Full Bore and Reduced Type Blow-out Proof Stem Firesafe and Anti-static Construction Dependable and Easy Operation Soft or Metal Seat Design Maintain Reliable Temperature of Pipe Fluid	Blow-out Proof Stem Firesafe and Anti-static Construction Fluid is Discharged Rapidly Valve Body Cavity is specially polished to prevent liquid cohesion
END CONNECTION	ASME RF/ RTJ Flange	ASME RF/ RTJ Flange	SCREWED/ SOCKET WELD/ BWE	FLANGED OR BWE	FLANGED OR BWE	FLANGED OR BWE
SIZE	2" - 10" DN50-1400 (Full Bore) 2" - 10" DN50-1400 (Reduced Bore)	2" - 10" DN50-1400 (Full Bore) 2" - 10" DN50-1400 (Reduced Bore)	1/4" - 3" DN08-80 (Full Bore) 1/4" - 3" DN08-80 (Reduced Bore)	1/2" - 16" DN15-400 (Full Bore) 5" - 18" DN125-450 (Reduced Bore)	3/4" - 8" DN20-200	1" - 8" DN25-200
TEMPERATURES	-196 +280C	-196 +280C	-196 +280C	-196 +280C	-196 +280C (Soft) -196 +650C (Metal)	-196 +280C
PRESSURE	ANSI CLASS 150-2500	ANSI CLASS 150-2500	ANSI CLASS 800/ 1500	ANSI CLASS 150/ 300	ANSI CLASS 150/ 300	ANSI CLASS 150/ 300
BODY	Carbon/ LTCS/Stainless Steel/ Duplex/Inconel	Carbon/ LTCS/Stainless Steel/ Duplex/Inconel	Carbon/ LTCS/Stainless Steel/ Duplex/Inconel	Carbon/ LTCS/Stainless Steel	Carbon/ LTCS/Stainless Steel	Carbon/ LTCS/Stainless Steel
BALL	Carbon/ LTCS/Stainless Steel/ Duplex/Inconel	Carbon/ LTCS/Stainless Steel/ Duplex/Inconel	Stainless Steel/ Duplex/Inconel	Stainless Steel	Stainless Steel	Stainless Steel
STEM	Carbon/Stainless Steel/Duplex/ Inconel	Carbon/Stainless Steel/Duplex/ Inconel	Stainless Steel/Duplex/Inconel	Stainless Steel	Stainless Steel	Stainless Steel
SEAT	PTFE/RPTFE/NYLON/DEVLON/PEEK	PTFE/RPTFE/NYLON/DEVLON/PEEK	RPTFE/ DELRIN/ PEEK/ METAL	PTFE/ RPTFE/ PEEK	PTFE/ RPTFE/ PEEK/ST ST +HF	PTFE/ RPTFE/ PEEK
SEALS	GRAPHOILS/ PTFE	GRAPHOILS/ PTFE	PTFE/ GRAPHOILS	VITON/ NBR/ HNBR/ FFKM/ AED/ GRAPHOILS	VITON/ NBR/ HNBR/ FFKM/ AED/ GRAPHOILS	VITON/ NBR/ HNBR/ FFKM/ AED/ GRAPHOILS
OPTIONAL FEATURES	Extension Stems Bespoke Design	Extension Stems	Firesafe	Various Port Configuration	Various Jacket Connections	

# PRODUCTS

## VALVE DESIGNS



PRODUCT	BUTTERFLY VALVE RESILIENT SEAT	BUTTERFLY VALVE DOUBLE OFFSET	BUTTERFLY VALVE TRIPLE OFFSET	GATE VALVE WEDGE	GATE VALVE SLAB	GLOBE VALVE
IMAGE						
FEATURES	Dependable and Easy Operation Replaceable Seat Profile Disc Blow-out Proof Stem Phenolic Backed Non Collapsable Seat Easy Installation Bi-Directional	Dependable and Easy Operation Replaceable Seat Preferred Direction of Flow Blow-out Proof Stem Optional FireSafe Optional Anti-static Easy Installation Double Offset	Dependable and Easy Operation Replaceable Seat Preferred Direction of Flow Blow-out Proof Stem Optional FireSafe Optional Anti-static Easy Installation Triple Offset	Cast or Forged Construction Easy Operation Flexible or Solid Wedge Standard API Trim Configurations Dpendable Sealing Excellent Wear and Corrosion Resistance Low and High Temperature Service	Cast or Forged Construction With or Without Diversion Hole Soft or Metal Sealing Stem Isolated from Media Spring Energised for Low Pressure Seal Back Seal Structure	Cast or Forged Construction Easy Operation Flexible or Solid Wedge Standard API Trim Configurations Dpendable Sealing Excellent Wear and Corrosion Resistance Low and High Temperature Service
END CONNECTION	WAFER UNIVERSAL/ LUGGED/ U-SECTION/ DOUBLE FLANGED	WAFER UNIVERSAL/ LUGGED/ DOUBLE FLANGED	DOUBLE FLANGED (Long and Short Pattern)	FLANGED OR BWE	FLANGED OR BWE	FLANGED OR BWE
SIZE	2" - 56" DN50-1400	2" - 56" DN50-1400	2" - 56" DN50-1400	1/2" - 56" DN12-1400	1/2" - 36" DN12-900	1/2" - 12" DN12-300
TEMPERATURES	-40 +280C	-29 +210C	-29 +210C	-196 +870C (Dependent on design)	-196 +870C (Dependent on design)	-196 +870C (Dependent on design)
PRESSURE	PN 10/ PN 16/ ANSI CLASS 125/150	ANSI CLASS 150/ 300/ 600	ANSI CLASS 150/ 300/ 600	ANSI CLASS 150-1500	ANSI CLASS 150-2500	ANSI CLASS 150-1500
BODY	Carbon/ LTCS/Stainless Steel/ Cast Iron/ Ductile Iron	Carbon/ LTCS/Stainless Steel/ Duplex	Carbon/ LTCS/Stainless Steel/ Duplex	Carbon/ LTCS/Stainless Steel/ Cast Iron/ Ductile Iron/ Alu Bronze	Carbon/ LTCS/Stainless Steel	Carbon/ LTCS/Stainless Steel/ Cast Iron/ Ductile Iron
DISC OR GATE	Gun Metal/ Alu Bronze/ Stainless Steel/ Monel/ Ductile Iron (Nickel or Epoxy Coated)	Stainless Steel/ Monel/ Duplex	Stainless Steel/ Monel/ Duplex	Gun Metal/ Alu Bronze/ Stainless Steel/ Monel/ Ductile Iron (Nickel or Epoxy Coated)	Stainless Steel	Gun Metal/ Alu Bronze/ Stainless Steel/ Monel/ Ductile Iron (Nickel or Epoxy Coated)
STEM	Stainless Steel/ Duplex/ Monel/ Inconel	Stainless Steel/ Duplex/ Monel/ Inconel	Stainless Steel/ Duplex/ Monel/ Inconel	Stainless Steel/ Duplex/ Monel/ Inconel	Stainless Steel/ Duplex/ Monel/ Inconel	Stainless Steel/ Duplex/ Monel/ Inconel
SEAT	EPDM/ NBR/ VITON/ VITON GLT/ PTFE/ PTFE over BUNA/ HYPALON/ NEOPRENE	PTFE/ RPTFE (Carbon or Glass Filled)	LAMINATED STAINLESS STEEL/ GRAPHOIL	F6/304/310/ Hard F6/ Monel/ Hard Monel/ 316/ Hard 316	F6/304/310/ Hard F6/ Monel/ Hard Monel/ 316/ Hard 316	F6/304/310/ Hard F6/ Monel/ Hard Monel/ 316/ Hard 316
SEALS	VITON/ PTFE	VITON/ PTFE/ GRAPHOIL	VITON/ PTFE/ GRAPHOIL	METAL/ GRAPHOIL	METAL/ GRAPHOIL	METAL/ GRAPHOIL
OPTIONAL FEATURES	Extended Stems	Extended Stems Cryogenic Stems	Extended Stems			

# PRODUCTS

## VALVE DESIGNS

PRODUCT	CHECK VALVE SWING	CHECK VALVE DUAL PLATE WAFER	CHECK VALVE SINGLE PLATE WAFER	CHECK VALVE PISTON	STRAINER IN LINE	STRAINER Y PATTERN
IMAGE						
FEATURES	Cast or Forged Construction Easy Operation Flexible or Solid Wedge Standard API Trim Configurations Dependable Sealing Excellent Wear and Corrosion Resistance Low and High Temperature Service	Small and Light Quick Reaction Plate Free from Resistance and loss of Fluid Horizontal and Vertical Piping Standard/ Low-coil/ high-coil Spring Double Flanged	Small and Light Quick Reaction Plate Free from Resistance and loss of Fluid Horizontal and Vertical Piping Standard/ Low-coil/ high-coil Spring Double Flanged	Bolted Cover Y-Pattern available Body Guided Hardened Disc Internal Stellite Hardened Seat Asbestos Free Spiral Wound Gasket	Cone Type Various Mesh Sizes Available For Temporary Filtration Service	Bolted Cover Removable Screen for Easy Cleaning ANSI Standard Face to Face Drain Plug Large Screen Area, Various Mesh Sizes
END CONNECTION	FLANGED OR BWE	ANSI/ AWWA/ BS/ DIN/ JIS/ API/RF/ RTJ Flange/NORSOK/	ANSI/ AWWA/ BS/ DIN/ JIS/ API/RF/ RTJ Flange/NORSOK/	SOCKET/ THREAD/ BUTT WELD END	WAFER STYLE INSTALLATION	ANSI RF/ RTJ Flange/ BWE/ HUB/ NORSOK/
SIZE	1/2" - 12" DN12-300	2" - 18" DN50-450	2" - 18" DN50-450	1/4" - 2" DN08-50	1/2" - 24" DN15-600	1/2" - 24" DN15-600
TEMPERATURES	-196 +870C (Dependent on design)	-196 +538C (Dependent on design)	-196 +538C (Dependent on design)	-196 +538C (Dependent on design)	ANSI CLASS 150 - 1500	-196 +538C
PRESSURE	ANSI CLASS 150-1500	ANSI CLASS 125/150-2500	ANSI CLASS 125/150-2500	ANSI CLASS 800 & 1500	Stainless Steel/	ANSI CLASS 150 - 1500
BODY	Carbon/ LTCS/Stainless Steel/ Cast Iron/ Ductile Iron	Carbon/ LTCS/Stainless Steel/ Cast Iron/ AL-Bronze	Carbon/ LTCS/Stainless Steel/ Cast Iron/ AL-Bronze	Carbon/ LTCS/Aloy Steel/ Stainless Steel/		Carbon/ LTCS/Aloy Steel/ Stainless Steel/ Duplex
DISC/ BALL/ PLATE	Gun Metal/ Alu Bronze/ Stainless Steel/ Monel/ Ductile Iron (Nickel or Epoxy Coated)	Carbon/ LTCS/Stainless Steel/ Cast Iron/ AL-Bronze	Carbon/ LTCS/Stainless Steel/ Cast Iron/ AL-Bronze	Carbon/ LTCS/Stainless Steel/		Stainless Steel
STEM or PIN	Stainless Steel/ Duplex/ Monel/ Inconel	Stainless Steel/ Duplex/ Inconel	Stainless Steel/ Duplex/ Inconel	Stainless Steel/ Duplex/ Inconel		
SEAT	F6/304/310/Hard F6/Monel/Hard Monel/ 316/ Hard 316	Nitrile/Viton/Teflon/Metal	Nitrile/Viton/Teflon/Metal	Nitrile/Viton/Teflon/Metal		
SEALS	METAL/ GRAPHOIL	Nitrile/Viton/Teflon/Metal	Nitrile/Viton/Teflon/Metal	Nitrile/Viton/Teflon/Metal		
OPTIONAL FEATURES		Retainerless Design Available				

# PRODUCTS

## VALVE DESIGNS



PRODUCT	STRAINER BUCKET TYPE	ACTUATORS PNEUMATIC	ACTUATORS HYDRAULIC	ACTUATORS ELECTRIC	SUBSEA GEARBOXES & ACTUATORS	ANCILLARIES & CONTROLS
IMAGE						
FEATURES	Single and Duplex Types Available Complete With Drain Plug Removable Baskets Integral Changeover Valve for Duplex Pattern	Minimum Friction Design O-ring Sealing Certified to IEC IP66M/ IP67M Corrosion Resistant Protection Coating Robust and Lightweight Design Symmetric or canted Scotch Yoke Configuration	Minimum Friction Design O-ring Sealing Certified to IEC IP66M/ IP67M Corrosion Resistant Protection Coating Robust and Lightweight Design Symmetric or canted Scotch Yoke Configuration	Comprehensive Control and Flexibility Simplified Torque and position Control User Friendly Controls and Indication Approved for use in SIL Applications Integral Starters Wireless Set-up	Minimum Friction Design O-ring Sealing Certified to IEC IP66M/ IP67M Corrosion Resistant Protection Coating Robust and Lightweight Design Symmetric or canted Scotch Yoke Configuration ROV Connection Pressure Compensator	Switch Boxes Vent (Quick Exhaust) Valves Partial Stroking Control Systems Manual Overrides Emergency Shut down (ESD) Controls Control Panels
END CONNECTION	FLANGED					
SIZE	1" - 10" DN25-250	Torque Output upto 600,000 Nm -60 - +160C	Torque Output upto 600,000 Nm -60 - +160C	Torque Output upto 250,000 Nm (Via Gearbox) -33 - +760C	Torque Output upto 600,000 Nm -60 - +160C	
TEMPERATURES						
PRESSURE	ANSI CLASS 150 - 1500	Upto 12 bar (175 Psi)	Upto 210 bar (3000 Psi)	Upto 210 bar (3000 Psi)	Upto 12 bar (175 Psi) Pneumatic Upto 210 bar (3000 Psi) Hydraulic	
BODY	Carbon Steel / LT Carbon Steel			Double Sealed Enclosure Wide Range of Power Sources Ip68/ NEMA 4		
DISC/ BALL/ PLATE	Stainless Steel Trim					
OPTIONAL FEATURES		Manual Overide Stainless Steel Cylinder & Tie Rods	Manual Overide Stainless Steel Cylinder & Tie Rods	Quarter Turn & Multi Turn Options Single Phase & Multi Phase DC Isolating & Modulating Options	Manual Overide Stainless Steel Cylinder & Tie Rods ROV Bucket	Bespoke Controls to Current Specification

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