

Championing velocity control technology

Backed by over 40 years' experience in manufacturing, designing, and servicing severe service control valves, KKI launches a dedicated team to promote its VECTOR™ valve trim technology as the first choice for demanding severe service applications

Leading severe service valve design and manufacturing company Koso Kent Introl (KKI) has launched a dedicated new UK-based sales team to promote its VECTOR valve trim technology.

In more than 40 years of supplying high-performance valves to oil and gas, power and petrochemical plants worldwide, KKI has become well established as a reliable, trusted supplier of cost-effective severe service valves. Thousands of these valves are now in place at installations worldwide, from Scandinavia and the Caspian Sea to the Far East.

Dedicated sales and service team

The company's continued expansion into new markets and the success of its VECTOR velocity control trim technology have led to the establishment of the KKI Severe Service (VECTOR) team, headed up by experienced valve engineer, Simon Tattersall.

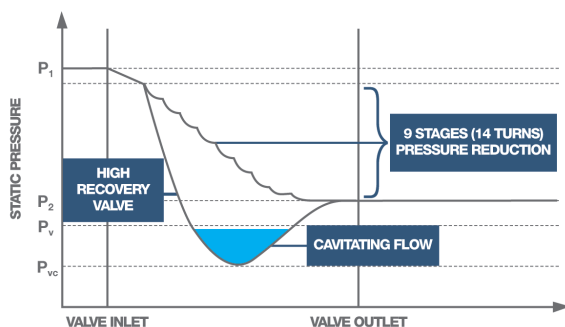
Simon began his career at KKI back in 1995 as a senior service engineer before being promoted to the position of aftermarket choke valve manager and later area sales manager. After a brief stint away from KKI working as an international sales manager, he returned to take charge of severe service product sales across the company's key territories.

Simon says: "Unlike other severe service valve manufacturers, we have an extensive global infrastructure to support our customers and are also very good at manufacturing standard valves to complement our severe service products. That puts us in a unique position, meaning we can offer a complete package of both severe service and conventional control valves to fulfil any customer requirement."

Effective severe service solutions

KKI has been manufacturing velocity control trim technology for severe service applications for more than 40 years. Severe service applications are defined by high pressures, high temperatures and high pressure-drop ratios, which are common in oil and gas and utility power plants.

Comparison between low and high recovery trim designs



Organisations looking to increase plant yields and improve efficiencies need to operate at higher pressures and temperatures, which push the capabilities of conventional control valve technology beyond its limits. This can result in excessive noise, vibration, cavitation and flashing erosion.

KKI VECTOR™ trims have been designed to tackle precisely these issues by reducing the velocity of the liquid or gas in a controlled manner. They deliver reliable flow control and long life with no cavitation, no vibration and no environmentally unfriendly noise. The trim design has evolved to meet the demands of severe service applications where durability, reliability and precision control are required.

Innovative trim design

The KKI VECTOR trim works by separating the flow mass into smaller individual channels and staging the pressure drop across multiple 90° turns in the fluid path. The tortuous flow path takes the energy out of the fluid or gas and reduces its velocity in a controlled way, ensuring that velocities never exceed the threshold that could impair system performance or damage valve components.

Simon continues: "At KKI we have the knowledge and experience to ensure that our VECTOR™ trims are specified, designed and manufactured to meet the precise needs of each application. Our dedicated team will spend time with each client's engineers, getting to understand their process requirements and service parameters, so that we can design a bespoke trim that answers all of the client's demands."

Tailored trims – flexible service

KKI can supply new, tailored valves and trims for brand new plants or as replacements for worn-out valves, as well as retrofitting its advanced trims to existing valves to improve performance and eliminate problems. Its service extends beyond designing, manufacturing and fitting the valves to full service support for the life of the installation.

KKI VECTOR trim sizes range from 1" up to 36". The number of turns typically ranges from one to 24, although trims with up to 60 turns have been manufactured for specialist applications. KKI has a standard range of VECTOR trims with up to eight turns or, alternatively, discstacks can be engineered to suit specific customer applications.

Simon adds: "Having a team dedicated to KKI VECTOR trim sales and servicing will be a major benefit for our customers. It gives them a local, UK-based point of contact, backed up by our operations around the world. We hope that our renewed commitment to VECTOR will spread the cost-reduction, efficiency, low-maintenance and productivity benefits of this advanced technology to an even wider range of customers." **ep**

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