

THE ISOLATOR
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THE ISOLATOR

Hello June – a month of purpose, reflection, and well-deserved pause.

As the UAE prepares to celebrate Eid al-Adha, we’re reminded that dedication, sacrifice, and unity are values that resonate not only in tradition but in the way we build, design, and collaborate every day. At KGC, we carry that same spirit forward—bringing thoughtful engineering and resilient solutions to every project we touch.

This issue unpacks the Pettinaroli XT702 Series, a smart all-in-one commissioning kit designed to streamline hydronic balancing in HVAC systems. We also spotlight KINLAYMENT Acoustic Underlay, a recycled rubber solution offering robust impact sound insulation across a variety of flooring setups. And of course, we share updates from our latest projects, where technical know-how and field execution came together to meet the highest standards.

As we celebrate Eid al-Adha, may this month inspire both gratitude and growth—in our lives, in our communities, and in the spaces we create. From everyone at Kinetics Group, Eid Mubarak—and welcome to another issue filled with insight, innovation, and acoustic excellence.



Bay View, Ras Al Khaimah

Located in the heart of Al Marjan Island, Ras Al Khaimah, is a striking urban island residential complex offering luxurious 1, 2, and 3-bedroom apartments designed to deliver a lifestyle of elegance, comfort, and modern convenience.

We are proud to be part of this iconic development, where KGC has been entrusted to provide advanced noise and vibration control solutions—further strengthening our reputation as a trusted partner in elevating the standards of urban living. Our role in this groundbreaking, landmark project includes the supply of **High-Performance Vibration Isolators** and **Floating Floor Systems**, each engineered to deliver superior acoustic performance and long-term reliability.

Kinetics’ precision-engineered vibration isolators go beyond simple mechanical support—they effectively reduce vibration, minimize noise transmission, stabilize dynamic equipment motion, and absorb structural loads. When paired with our **floating floor systems**, they create a comprehensive acoustic barrier that ensures quieter, more resilient environments—enhancing both mechanical efficiency and resident comfort throughout the building.

TECHNICAL DISCUSSION: Understanding the Capabilities of Pettinaroli XT702 Series Commissioning Kits

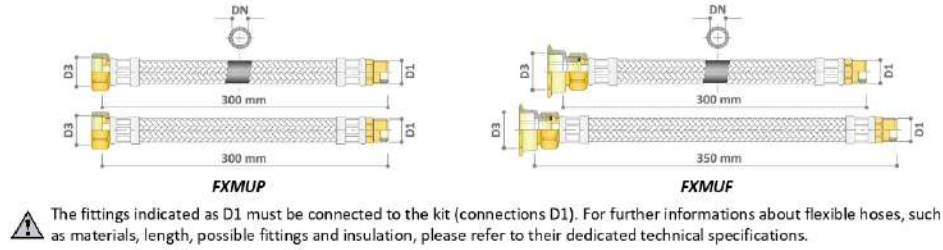
The **Pettinaroli XT702 Series** is an integrated, prefabricated commissioning kit engineered for **fan coil unit (FCU)** installations, offering a complete, factory-tested solution for **hydraulic balancing, filtration, flushing, and flow control** in modern HVAC systems.



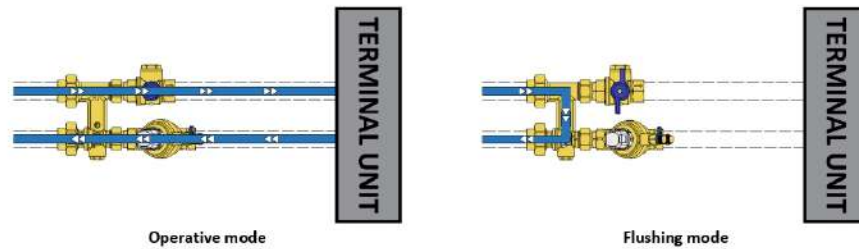
At the heart of the system is the **DYNASTY 92 PICV (Pressure Independent Control Valve)**, which delivers precise flow regulation regardless of pressure fluctuations, ensuring consistent thermal comfort and energy efficiency. The valve is fully serviceable, with integrated test points for accurate commissioning and performance validation.



Complementing the PICV is the innovative **Filterball® shut-off valve**, which combines a ball valve and a stainless-steel strainer in a single compact unit. This design significantly reduces pressure drop compared to conventional Y-strainers and simplifies maintenance without requiring disassembly of the entire valve assembly. An integrated **flushing bypass** ensures safe, debris-free commissioning by diverting the initial flush around the PICV.



OPERATIONS



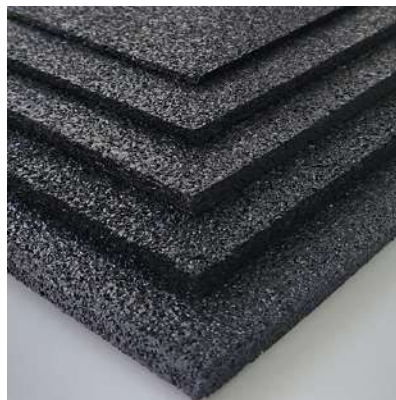
The **XT702 Series** offers plug-and-play simplicity. With BSP/NPT thread compatibility and horizontal or vertical installation options (excluding inverted actuator configurations), it reduces on-site installation time while ensuring consistency and quality. Models include:

- **XT702G** with Class 1-rated soft thermal insulation for energy efficiency and condensation control.
- **X702GA** with **EvoFLEX stainless steel braided hoses**, ideal for space-constrained applications and vibration isolation.

With a **flow range of 19–3300 l/h**, pressure rating of **PN25**, and operational temperature range from **-10°C to +100°C**, the kit supports both water and water-glycol systems—suiting a wide array of commercial and residential HVAC applications. The **XT702 Series** stands out for its thoughtful engineering, modular options, and commissioning efficiency—making it an ideal solution for engineers and contractors seeking reliability, speed, and performance in hydronic systems.

KINLAYMENT: Acoustic Underlay for Modern Buildings

In high-performance buildings, controlling impact noise is critical to comfort, code compliance, and tenant satisfaction. **KINLAYMENT** is an advanced acoustic underlay made from **recycled rubber granules**, offering a unique combination of **durability, acoustic performance, and installation flexibility**—ideal for residential, commercial, and hospitality projects.



1. Smart Material Engineering

With a density of $\sim 700 \text{ kg/m}^3$, KINLAYMENT is dense enough to absorb impact energy, yet elastic enough to accommodate floor movement. It boasts:

- **Tensile strength $\geq 0.3 \text{ N/mm}^2$**
- **Elongation at break $\geq 40\%$**
- **Temperature stability from -30°C**

This makes it highly reliable in demanding environments, including hot and humid regions like the Middle East.

2. Proven Acoustic Performance

KINLAYMENT is tested to **ISO 10140-3** and **ASTM E492/E989** standards, delivering:

- **20 dB reduction** (3 mm under vinyl tile)
- **21 dB reduction** (5 mm under screed)
- **IIC ratings: 48–50**

These values demonstrate strong resistance to impact noise—ideal for multi-level construction.

3. Versatile and Installer-Friendly

Compatible with both **loose lay and bonded systems**, KINLAYMENT works with screeds, dry floors (OSB, plywood), and floating floors. It also doubles as a **perimeter isolation strip** to reduce flanking transmission, a common acoustic weak point.

4. Sustainable by Nature

Made from **recycled industrial rubber**, KINLAYMENT supports circular material use—meeting both acoustic goals and green building standards.

KINLAYMENT is more than an underlay—it's a high-performance solution engineered for real-world acoustic challenges. With its robust mechanical properties, proven impact sound insulation, and sustainable design, it's a smart choice for any modern floor system where silence matters.



KINETICS YOUTUBE & TESTIMONIALS

Kinetics Group proudly participated in the 2025 Make it in the Emirates event at ADNEC, Abu Dhabi.

As a leading UAE-based manufacturing group for acoustic products, we were honored to have our representatives join this flagship industrial forum, connecting with industry leaders, innovators, and global investors. Our subsidiary, KMCI, is in sheet metal, steel fabrication, and acoustic product manufacturing—demonstrating the strength and innovation of UAE-made solutions.

We're excited to build on the connections made and further contribute to the UAE's vision for advanced manufacturing excellence.



(Click the image to watch this video)

▶ YouTube Channel: <https://lnkd.in/dtwpwyqw>

Learn more about our products by connecting with us:

✉ info@kineticsgroup.ae | sales@kineticsgroup.ae



"Quick support from Kinetics and good recommendations."

ENGR. ABDUL RAFIH
Brook and Ripples LLC

"Kinetics brings a refreshing blend of clarity, quality, and care."

DHANYA DEVARAJAN
Cosmos Star Electromechanical Works LLC

"Exceptional service of Kinetics with precise quotes and quick turnaround."

ENGR. SAQIB HAYAT
Nantong Construction

"Kinetics responded quickly and handled everything with precision."

ENGR. HAZEL TALOSIG
China Nat'l Chemical Engg & Construction Corp. Seven Middle LLC

"With Kinetics Group, we experienced great responsiveness and well-managed processes."

ENGR. THEJUS P. MATHEWS
Izone Electromechanical Contractors LLC

"We truly appreciated Kinetics' commitment to quality, timeliness, and customer satisfaction."

SALVARAJ RAJIAH
Prime Technologies

"Excellent service from Kinetics! They understood our project needs and provided effective and high-quality solutions."

ENGR. MOHAMMED JABIR
City Compass Electromechanical Contracting LLC

"The Kinetics team ensured a positive experience with their responsive service and reliable documentation."

ENGR. ARUNRAJ MARIAPPAN
Innovo Group

"From start to finish, Kinetics provided top-tier service marked by timely deliveries, perfect product condition, and smooth coordination."

FATHIMA JALEEL
TTE Engineering

"We truly appreciate the clear communication and professionalism of Kinetics Team. The inspection process was well explained, and all concerns were effectively addressed."

MR. MOHAMMAD SHAMSHAD
Sobha Construction LLC

