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FlowCon Topic Letter

The High-Performance World is Composite

Why Use Composite?

All new and exciting products including anything ranging from super cars to spaceships are nowadays including composite materials to reach new heights in **performance** and at the same time keep **weight** low.

Composite in FlowCon valves

At FlowCon we have for years offered similar high-performance with our HVAC valves:

- Pressure Independent Control Valves (PICVs)
- Pressure Independent ΔT Control Valves (PITCVs) also known as energy valves in the market
- Differential Pressure Control Valves (DPCVs)
- Temperature Control Valves (TCVs)
- Dynamic / Automatic Balancing Valves (ABVs)
- Thermostatic valves

They all include composite material which is proven **stable** and **durable** in HVAC systems as well and ensures **long life** expectancy.

On page 2, we have gathered the information in a simple overview. For more details we refer to the product technical literature.

Need more Information?

We hope that this Topic Letter has given useful insight to the topic. A good supplement could be FlowCon's Topic Letter on 'Composite Perks in PICVs'. Or feel free to contact FlowCon for further assistance or any clarification.

Model	ABS <i>Acrylonitrile Butadiene Styrene</i>	PA <i>Polyamide</i>	PC <i>Poly- Carbonate</i>	POM <i>Polyoxy- Methylene</i>	PE <i>Poly- Ethylene</i>	PPS <i>Poly- Phenylene Sulfide</i>	PSU <i>Poly- Sulfone</i>
• Pressure Independent Control Valves, PICVs							
FlowCon Green	X		X	X		X	X
FlowCon GreEQ	X		X	X		X	X
FlowCon SM	X	X	X	X	X	X	X
FlowCon UniQ®				X		X	X
• Pressure Independent ΔT Control Valves, PITCVs							
FlowCon FIT-G	X		X	X		X	X
FlowCon FIT	X	X	X	X	X	X	X
• Differential Pressure Control Valves, DPCVs							
FlowCon EDP	X			X		X	
FlowCon SDP				X		X	
FlowCon ADP	X		X	X		X	X
FlowCon S-JUST	X			X			
• Temperature Control Valves, TCVs							
FlowCon EVS				X			
• Dynamic Balancing Valves, ABVs							
FlowCon E-JUST	X			X		X	X
FlowCon Composite				X		X	X
FlowCon SH	X	X	X	X		X	X
• Thermostatic valves							
FlowCon T-JUST	X	X		X		X	

Table 1: Composite Material in FlowCon valves
Source: FlowCon Data