

Vickers® by Danfoss

Upgrading KBS/KBH/KBF OBE proportional valve to Next-gen with digital amplifier and enhanced Connectivity

June 2026

Reason for Change

To enhance the OBE proportional valve connectivity and performance, an upgraded Next-gen OBE proportional valve brings advanced digital control, seamless connectivity, and real-time configurability is releasing! This is more than a product refresh – it's a complete transformation! It's smarter, faster, fully connected!

- Competitive pricing
- 4-8 weeks availability (Ex-works Havant, Searcy, Zhenjiang plant)
- Simpler SKU management
- Advanced control, out of the box



What's New - |

Advanced parameter tuning

- Fine-tune control loops with on-the-fly parameter adjustment
- Easily optimize performance for specific loads, speeds, and conditions

Flow linearization and dither/deadband adjustment

- Flow linearization: Achieve consistent, stable flow across all operating conditions
- Dither and deadband adjustment: Eliminate valve stick-slip and dead zones for ultra-smooth motion

Plug-and-play setup

- USB-based configuration via Pro-FX® Configure software
- Built-in LED diagnostics for real-time status and troubleshooting
- Software-defined flexibility means one part number can do it all

Smart connectivity

- Connects to EtherCAT, Profinet, Ethernet/IP, CANopen, USB, and Analog
- Future-proof your system with broad protocol support

Power + durability

- 50% higher pressure gain than KBSDG
- Outperforms top competitors in power and speed
- *Option:* Withstands extreme vibration up to 50g
- *Option:* High corrosion resistance up to 700 hours salt spray protection

New proportional valve configurator

- Build your model in minutes
- Instant pricing
- Download CAD, data sheets, and more
- One-click quote request

Form, Fit, and Function:

Same installation face and dimensions, almost same product dimensions as well, upgraded performance to fully replace existing products.

Existing product series ramp down and new product ramp up:

The existing product open orders will be fulfilled as planned, starting from now you are encouraged to order the new models with better performance, last time buy for exiting product will be before June 30th, 2026. **After this date new orders with the old model will be automatically changed to the new model.**

Below is the list of material numbers that are affected by this change:

Stage	Size	Discontinued models	New models	
Single Stage	D03/NG6	KBS1-03	KBSD14-03	
		KBSDG4V-3		
		KBFDG4V-3	KBFDG4-03	
		KBFTG4V-3	KBFTG4-03	
	D05/NG10	KBS1-05	KBSD14-05	
		KBSDG4V-5		
		KBFDG4V-5	KBFDG4-05	
		KBFTG4V-5	KBFTG4-05	
Two Stage	D05/NG10	KBH1-05	KBHD15-05	
		KBHDG5V-5		
	D07/NG16	KBH1-07	KBHD15-07	
		KBHDG5V-7		
	D08/NG25	KBH1-08	KBHD15-08	
		KBHDG5V-8		

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	D10/NG32	KBHDG5V-10	KBHD15-10	Coming soon
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For all inquiries, please contact IMCProductSupport@danfoss.com

The Cross reference file can be found here - [DPA3 Cross-reference](#)

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