

This is a recap of the **industrial hydraulic and clutch/brake product** announcements for customers in the Americas.

**NOTE:** This does not include announcements regarding other Danfoss product groups (e.g. mobile hydraulics, fluid conveyance, drives etc)



## Vickers by Danfoss KBFRG4-05 Proportional Valve Now Available

#### High power capacity. Superior durability.

To further expand our competitive offering, we have introduced a new proportional valve with a round solenoid design, delivering superior performance and premium features. The new KBFRG4-05 proportional valve features a market-leading pressure rating (350 bar), and tools to simplify operation, including built-in health monitoring. Engineered to withstand the toughest conditions, the valves have an IP67 ingress protection rating, and a robust metal housing for increased vibration and shock resistance. The KBFRG4-05 also complies with industry standard certifications including CE, UKCA, REACH and RoHS.

**User Guide Link** 

### Fact Sheet Link



## New PVM Pump Code B Pump displacements now available!

#### Now available - 74-81cc, 98cc!

Vickers by Danfoss PVM series open-circuit piston pumps lead the industry in noise reduction, compact size, and pressure rating. Engineered to take this renowned performance and reliability to new heights, the Code B design delivers enhanced components and features for maximum life and productivity.

PVM Code B pumps also offer **four marine certifications**:

- Lloyd's Register- LR
- China Classification Society CCS
- American Bureau of Shipping ABS
- Det Norske Veritas DNV

#### **Download User Guides:**

- 18-20cc
- 45cc
- <u>74-81cc</u>
- 98cc
- 131-141cc

### Fact sheet **LINK**



## **New HPU rebate program** for North American distribution partners!

To assist in profitable growth for our channel partners, Danfoss is offering rebates on our line of Vickers by Danfoss products used on power units. This program is open to all distribution partners in USA, Canada, and Mexico that are eligible for rebates and authorized to sell Vickers by Danfoss products.

### Brochure **LINK**



## **Product Model Rationalization Announcement**

#### **Industrial Valve Products**

- Sent to: **All regions** 

Due to low demand, certain industrial valves and electronics will be rationalized. Please review announcement document for specific models affected and replacement options.

#### **Directional Valves DG-70 design series -** *Discontinued*

All DG valves from the 70-design series are discontinued. The DG-70 valve design was a series of switching valves for a 24V system that included an onboard amplifier with LEDs, EMI protection and a M12 connector.

#### **Electronics Eurocard -** Reduction in available models.

 The current design of the Eurocard amplifiers is release 33. This release is kept up to date and available to our customers. Certain versions of the Eurocard's are being rationalized due to low demand.

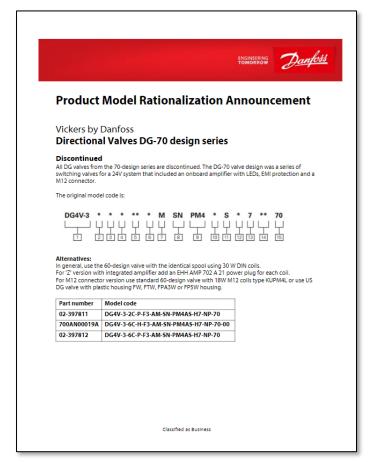
#### Electronics Din Rail Modules - Reduction in available models

 Certain Din Rail Modules that have not been requested for several years will be discontinued.

#### **Electronics Switching Power Plugs** - Reduction in available models

 Certain Switching Power Plug models that have not been requested for several years will be discontinued.

### Link to document



## New V20H Vane Pump now available with higher pressure!

With an increased pressure rating up to 205 bar (3000 psi) and all the advantages of Vickers vane pump technology, the new V20H square vane pump opens the door to new applications. Whether in heavy duty industrial machinery or mobile applications, the versatile V20H is engineered for efficiency and performance while enduring the toughest operating conditions.

Leveraging decades of vane pump engineering experience, the V20H pressure-balanced, 12-vane design reduces flow pulsations and noise, while extending pump life and improving serviceability. In addition, optional integrated flow control valves help simplify system design and installation.

V20H User Guide LINK

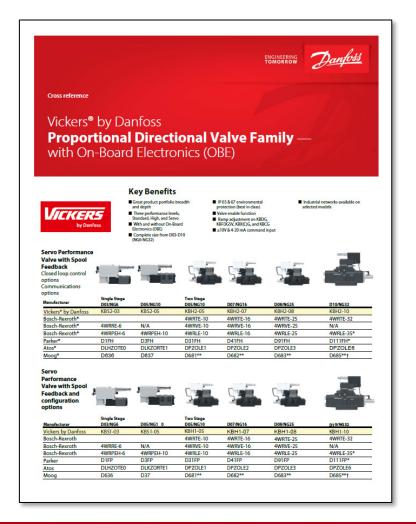
### Fact sheet **LINK**



## **Industrial proportional valve cross reference guide**

Check out the Vickers by Danfoss proportional valve cross reference guide now available for download! It will help you find the Vickers by Danfoss valve to replace many competitor models.

## Download **LINK**



## **AxisPro valves offer new communication protocols and Pro-FX Configure v2 software update available**

We've expanded the AxisPro proportional valves communication capabilities even further to **now include Ethernet/IP and EtherCAT protocols on top of the Profinet and CANopen protocols**, built into the high-end servo performance models (levels 2 & 3). This expansion gives you not only greater control, but also allows for easier integration in an expanded range of applications. The valve's embedded intelligence simplifies traditionally complex setup and control operations, and the plug-and-play design reduces machine build time and installation costs.

But it gets even better! **The new Pro-FX® Configure v2 software is now available.** This powerful tool enables quick configuration of AxisPro valves utilizing a streamlined workflow, wizard-based setup and parameter-based, real-time tuning.

Download the latest update (rev 2.5) with enhancements and bug fixes for AxisPro, KBDG, and CMA valves, including:

- Support for legacy versions of AxisPro firmware (7.x and 107.x)
- Updated User Guide available on software download webpage
- Updated release notes and known issue list included with software bundle

### Fact sheet LINK



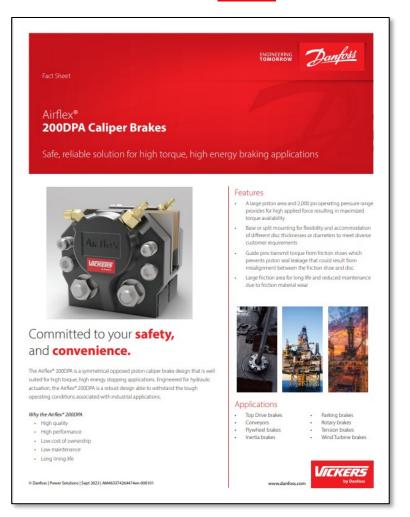
## September 2023

## Airflex® 200DPA Brake is back by popular demand!

A hydraulically actuated, spring released caliper brake, the 200DPA has a robust design engineered to withstand the tough operating conditions common in industrial applications.

The 200DPA features a large piston area for maximum torque availability and a large friction area for long life and reduced maintenance requirements. Commonly used in top drives, the 200DPA is retrofittable to other popular brake brands and can also be sold into conveyors, unwinding systems, and other processing applications.

### Fact sheet **LINK**



## Pro-FX™ Configure v2 software for AxisPro valves now available!

Pro-FX<sup>™</sup> Configure v2 is valve configuration software the way it should be: smarter, faster, easier. Featuring a wizard-based setup as well as parameter-based tuning, the user-friendly software enables quick and easy configuration of advanced AxisPro® valves.

A streamlined, step-by-step workflow takes the user through valve setup for specified control modes including spool position, cylinder position, pressure, speed, or force. The program simplifies everything from setup to tuning and commissioning, helping you get the machine to the customer faster.

Pro-FX<sup>™</sup> Configure 2 download webpage

## **AxisPro® valves now support Profinet protocol**

AxisPro proportional valves | Danfoss

## Fact sheet **LINK**



## Vickers by Danfoss offers UL Recognized and CSA Certified DG valves

Vickers by Danfoss offers UL recognized and CSA certified DG4V3 valves from Searcy, AR. The valve coils conform to UL 429 from Underwriters Laboratories Inc (UL), the industry standard for electrohydraulic valve safety which covers any valve that is 600 volts or less. In addition, DG4V3 valves are certified to carry the CSA Group mark, signifying that the valves have been tested against applicable North American standards.

DG4V3 coils have the reverse UR symbol and certification number (MH19333) for UL recognition, in addition to a CSA symbol on the label. If you need further support in your UL application or for further inquiries on part numbers, please reach out to imcproductsupport@danfoss.com.

#### Important notes:

- UL recognized valves must be ordered from Searcy, Arkansas USA. Any valves coming from Havant, UK are not UL recognized.
- Danfoss has UL Recognized coils on most of our DG4V3 valves, except for:
  - Valves that have a 160 bar tank port pressure
  - Mobile versions: DG4V3M
- CSA Certified valves need to be ordered with a EN21 code at the end of the model code.

### Fact sheet **LINK**



## Cylinder laser cladding technology gets a new name: Hydroclad™

Sent to: **All regions** 

Hydroclad<sup>™</sup> is a high-performance, field repairable, third-party certified, cylinder rod coating for the most demanding applications. This best-in-class cylinder coating provides reliable anti-corrosion protection and impact resistance for increased uptime and enhanced cylinder operating efficiency.

#### Name change

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Danfoss' Hydroclad™ laser cladding was previously known as Eatonite®. While the product remains the same, its name has been changed to Hydroclad in 2023. Hydroclad™ is a trademark of Danfoss A/S. Eatonite® is a registered trademark of Eaton Corporation. Eaton Corporation is not associated with either Hydroclad™ or Danfoss A/S.

#### Benefits of Hydroclad laser cladding

- Corrosion resistance Vickers by Danfoss cylinders have been in service on offshore oil rigs for more than 10 years
- **Flexibility without cracking** Can be applied to cylinder rods up to 21 meters long without cracking.
- **Impact resistance and wear** Withstands impact up to 32 joules (24 ft-lbs) of force without cracking
- Field repairable Repair damaged coatings on-site

### Brochure **LINK**





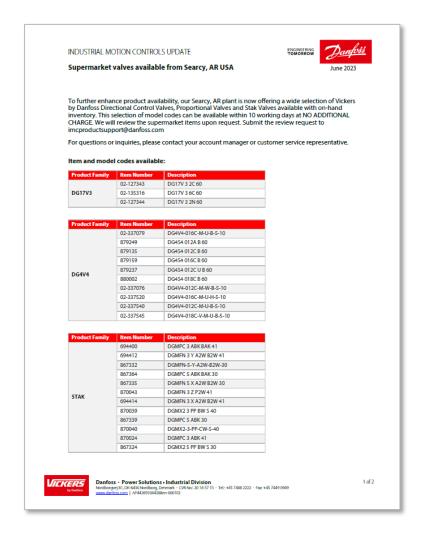
## **Speedy Delivery with Supermarket Industrial Valves**

To further enhance product availability, our Searcy, AR plant is now offering a wide selection of Vickers by Danfoss **Directional Control Valves, Proportional Valves** and **Stak Valves** available with on-hand inventory.

This selection of model codes can be available within 10 working days at NO ADDITIONAL CHARGE. We will review the supermarket items upon request.

Submit the review request to IMC Product Support: <a href="mailto:imcproductsupport@danfoss.com">imcproductsupport@danfoss.com</a>

## Supermarket valve list - LINK



## Rationalization of DG4V3S AC Valve with 100bar T-port Pressure

Please be informed that the Vickers by Danfoss DG4V3S AC-100 bar Directional Control Valve will be rationalized. Sales and production is discontinued effective today.

The replacement product for AC high performance models is the newly released DG4V3-160bar (2300 psi). The new model is currently available to order and meets/exceeds all performance requirements of the DG4V3S AC-100 bar. The only difference in these models is the T-port pressure, while form, fit, and function remain the same.

New model code: DG4V-3-2A-M-U-B8-60 (8 means 160bar T port pressure)

#### **Notes:**

- All current open orders for DG4V3S AC 100bar tank pressure will be fulfilled with the current model code and future orders will be accepted and transitioned to the 160bar model code.
- Moving forward only the 160bar and 210bar tank pressures will continue to be available.

### Crossover Chart - LINK

NDUSTRIAL MOTION CONTROLS UPDATE		Danfold TOMORROW May 2023	
Vickers' by Danfoss Industrial DGAV3 AC Valve with 160 bar T-port pressure crossover chart Crossover from DGAV3S AC 100 bar to DGAV3 AC 160 bar			
DG4V3S AC 100bar T-Port Pressure		DG4V3 AC 160bar T-Port Pressure	
Old part number	Old model code	New part number	New model code
02-311422	DG4V 3S OAL M FTWL B5 60	833AN00364A	DG4V-3-0AL-M-FTWL-B8-60
02-109877	DG4V 3S 0A M FTWL B5 60	833AN00365A	DG4V-3-0A-M-FTWL-B8-60
02-109631	DG4V 3S 0A M FW B5 60	833AN00366A	DG4V-3-0A-M-FW-B8-60
02-137934	DG4V 3S 0A M U B5 60	833AN00345A	DG4V-3-0A-M-U-B8-60
02-109569	DG4V 3S OBL M FTWL B5 60	833AN00367A	DG4V-3-0BL-M-FTWL-B8-60
02-109881	DG4V 3S OBL M FTWL B5 60	833AN00367A	DG4V-3-0BL-M-FTWL-B8-60
02-109569	DG4V 3S OBL M FTWL B5 60	833AN00367A	DG4V-3-0BL-M-FTWL-B8-60
02-109634	DG4V 3S OBL M FW B5 60	833AN00368A	DG4V-3-0BL-M-FW-B8-60
02-109638	DG4V 3S 0B M FW B5 60	833AN00369A	DG4V-3-0B-M-FW-B8-60
02-109041	DG4V 3S 0B M U A5 60	833AN00297A	DG4V-3-0B-M-U-A8-60
02-109964	DG4V 3S 0C M FTWL B5 60	833AN00370A	DG4V-3-0C-M-FTWL-B8-60
02-109660	DG4V 3S 0C M FW B5 60	833AN00371A	DG4V-3-0C-M-FW-B8-60
02-147433	DG4V 3S 2A H M FW B5 60	833AN00372A	DG4V-3-2A-H-M-FW-B8-60
02-109646	DG4V 3S 2AL M FTWL B5 60	833AN00373A	DG4V-3-2AL-M-FTWL-B8-60
02-109626	DG4V 3S 2AL M FW B5 60	833AN00374A	DG4V-3-2AL-M-FW-B8-60
02-109830	DG4V 3S 2AL M U B5 60	833AN00298A	DG4V-3-2AL-M-U-B8-60
02-109627	DG4V-3S-2A-M-FPA5WL-B5-6	833AN00375A	DG4V-3-2A-M-FPA5WL-B8-60
02-109571	DG4V 3S 2A M FTWL B5 60	833AN00363A	DG4V-3-2A-M-FTWL-B8-60
02-137930	DG4V 3S 2A M FTWL B5 60	833AN00363A	DG4V-3-2A-M-FTWL-B8-60
02-109563	DG4V 3S 2A M FW B5 60	833AN00353A	DG4V-3-2A-M-FW-B8-60
02-109563	DG4V 3S 2A M FW B5 60	833AN00353A	DG4V-3-2A-M-FW-B8-60
02-109632	DG4V 3S 2A M U B5 60	833AN00292A	DG4V-3-2A-M-U-B8-60
02-110385	DG4V 3S 2BL M FTWL B5 60	833AN00376A	DG4V-3-2BL-M-FTWL-B8-60
02-110062	DG4V 3S 2B M FTWL B5 60	833AN00377A	DG4V-3-2B-M-FTWL-B8-60
02-109572	DG4V 3S 2B M FW B5 60	833AN00378A	DG4V-3-2B-M-FW-B8-60
02-354087	DG4V 3S 2C H M FTWL B5 6	833AN00379A	DG4V-3-2C-H-M-FTWL-B8-60
02-109690	DG4V 3S 2C M FPA5WL B5 6	833AN00380A	DG4V-3-2C-M-FPA5WL-B8-60
02-146822	DG4V 3S 2C M FTW B5 60	833AN00381A	DG4V-3-2C-M-FTW-B8-60
02-109820	DG4V 3S 2C M FTWL B5 60	833AN00358A	DG4V-3-2C-M-FTWL-B8-60
02-109820	DG4V 3S 2C M FTWL B5 60	833AN00358A	DG4V-3-2C-M-FTWL-B8-60
02-109575	DG4V 3S 2C M FW B5 60	833AN00356A	DG4V-3-2C-M-FW-B8-60
02-109670	DG4V 3S 2C M FW D5 60	833AN00382A	DG4V-3-2C-M-FW-D8-60
02-109686	DG4V 3S 2C M U B5 60 DG4V 3S 2C M U D5 60	833AN00279A	DG4V-3-2C-M-U-B8-60
02-109026		833AN00293A	DG4V-3-2C-M-U-D5-60

## **PVM045 Code B Pump launched**

Vickers by Danfoss PVM series open-circuit piston pumps lead the industry in noise reduction, compact size and pressure rating. Engineered to take this renowned performance and reliability to new heights, the Code B design delivers enhanced components and features for maximum life and productivity. In addition, the new design standardizes housing and components to simplify manufacturing processes and reduce lead times.

#### **Key Features:**

- Pressure Up to 315 bar
- 45 50cc/rev (2.75 3.05in3/rev)
- Variable Speed Drive Ready
- Options for No control, Pressure Control, Load sensing

#### Data Sheet - LINK



#### Technical Catalog - LINK



## Hydrokraft PVZ 130/180cc Pump with marine certification launched

The new marine certified Hydrokraft PVZ piston pump comes in two sizes – 130 cc/rev and 180cc/rev and come with an integrated Vickers by Danfoss KBF proportional valve. Developed for MAN Energy Solutions, the pump takes over the duties of the camshaft at the heart of the ship's two-stroke engine's electrohydraulic system.

The Hydrokraft PVZ pump is a proven solution for new installations and a drop-in replacement for existing ship engine applications.

- Continuous operating pressure of 300bar, maximum 450bar according to marine classification guidelines
- Built-in control via a Vickers by Danfoss KBF proportional valve
- 48,000-hour service life, while operating at full ratings
- Valve plate design enables the pumps to run both clockwise and counterclockwise.
- Additional check-valve block prevents cavitations during reverse operation.

## Brochure/model code info> LINK



## **New US PVM Pump Stocking Program**

To reduce lead times on Vickers by Danfoss PVM industrial pumps, we are introducing a new stocking program in the USA, from our Searcy, Arkansas facility. Standard lead time is 4 weeks.

These pumps also have the new "BY" feature which is a highpressure shaft seal with adjustable maximum displacement and a covered thru-drive, enabling easy field conversions.

#### Stocking program benefits

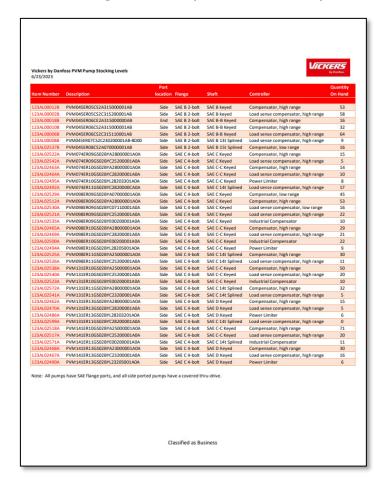
- Reduced lead time to 1-4 weeks
- All new part numbers for easy identification
- High pressure shaft seal (BY) feature

#### **Important notes:**

- Order quantities greater than one piece may have longer lead time
- Standard pricing and rebates apply
- Available for orders shipped in the USA only

#### > See PVM Series Piston Pumps

#### Stocking levels updated weekly



## **DMV** (Directional Mobile Valve) - solution for mobile applications

The DMV directional control valve is a sectional valve based upon the proven Vickers by Danfoss KDG4V-3 high performance valve design, for control of velocity, direction, and acceleration or deceleration in mobile applications.

The DMV has direct-acting electric solenoid control for spool position and a closed-center, parallel or series circuit design that can also function as an open-center circuit by utilizing unloading inlet options. The sectional design enables you to configure a valve from a variety of modules to create the perfect solution for your application.

#### Data Sheet - LINK







# Thank you!