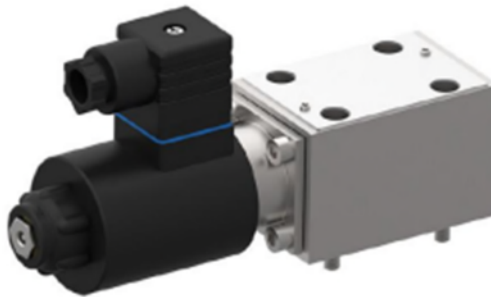


Vickers® by Danfoss

New and improved design of our Solenoid Operated Poppet-Type Directional Valve

Danfoss is pleased to announce the new and improved series 20 Solenoid Operated Poppet valves Type CVUA -6. and DG3/4VP-3....



Our solenoid poppet valves of the series CVUA Cartridge Valves and the DG3/4VP-3 Gasket Mounted Model will be delivered in a new and improved design starting in Q2/2017. The design changes affect interior parts only and are not recognizable on exterior parts. Therefore, all cartridge and flange-mounting valves get the new series 20. The resulting improvements of various performance data has been realised without cost increase.

Technical modifications

The following technical improvements have been achieved:

- Pressure loss over the valve reduced by up to 25%.
- Switching performance of CVUA-6 2-way and 3-way valves – at low Δp over the valve – increased up to 50 %.
- Exterior parts of the cartridge valves are ZnNi plated for improved corrosion protection.
- The valves are equipped with new coils, where encapsulation and plug base are made of glass-fiber reinforced thermoplastic. This should be noted for coils with electrical plug according to DIN EN 175301-803.

As a result, the technical data and performance charts will be updated with the improved values. The new catalogue can be found [here](#).

Compatibility of installation space the new series 20 valve models are geometrically 1-to-1 replaced with the previous series 10.

For all inquiries, please contact IMCProductSupport@danfoss.com.



August 2023

CVUA / DG3/4VP-3 Cross reference

Old number	Old model code	New number	New model code
638688	CVUA 6 PDN 3 M U G 10	6042893-017	CVUA 6 PDN 3 M U G 20
638689	CVUA 6 PDN 3 M U H 10	6042893-007	CVUA 6 PDN 3 M U H 20
638678	CVUA 6 PDW 2 M U B 10	6042893-013	CVUA 6 PDW 2 M U B 20
02-359379	CVUA 6 PDW 2 M U ED 10	6042893-004	CVUA 6 PDW 2 M U ED 20
638681	CVUA 6 PDW 2 M U H 10	6042893-009	CVUA 6 PDW 2 M U H 20
02-359884	CVUA 6 PDW 3 M U ED 10	6042893-015	CVUA 6 PDW 3 M U ED 20
638685	CVUA 6 PDW 3 M U H 10	6042893-011	CVUA 6 PDW 3 M U H 20
638539	DG3VP 3 102A V M U B 10	6042893-005	DG3VP 3 102A V M U B 20
638540	DG3VP 3 102A V M U D 10	6042893-006	DG3VP 3 102A V M U D 20
638542	DG3VP 3 102A V M U H 10	6042893-001	DG3VP 3 102A V M U H 20
859460	DG3VP 3 102A V M U P 10	6042893-016	DG3VP 3 102A V M U P 20
638535	DG3VP 3 103A V M U B 10	6042893-003	DG3VP 3 103A V M U B 20
638536	DG3VP 3 103A V M U D 10	6042893-012	DG3VP 3 103A V M U D 20
638538	DG3VP 3 103A V M U H 10	6042893-002	DG3VP 3 103A V M U H 20
02-413267	DG3VP 3 103A VM KUP5D3H 10	6042893-014	DG3VP 3 103A VM KUP5D3H 20
6041149-001	DG3VP-3-102A-VM-U-S-10	6042893-019	DG3VP 3 102A VM U S 20
02-353506	F3 CVUA 6 PDW 3 MU H 10	6042893-008	F3 CVUA 6 PDW 3 MU H 20
869617	F3 DG3VP 3 102A V M U H10	6042893-018	F3 DG3VP 3 102A V M U H 20
02-147687	F3-DG3VP-3-103A-V-M-U-H-10	6042893-010	F3 DG3VP 3 103A V M U H 20
617947	S.A. SOLENOID 110AC50/115AC60	6042884-001	COIL S/A FOR DG3/4VP-3 B 110AC50/115AC60
617945	S.A. SOLENOID 12V DC	6042884-005	COIL S/A FOR DG3/4VP-3 G 12V DC
617948	S.A. SOLENOID 220AC50/230AC60	6042884-004	COIL S/A FOR DG3/4VP-3 DP 127V DC
617946	S.A. SOLENOID 24V DC	6042884-006	COIL S/A FOR DG3/4VP-3 H 12V DC
998337	S.A.SOLENOID 240AC50 (ED)	6042884-002	COIL S/A FOR DG3/4VP-3 C 240AC50
507899	S/A SOLENOID 110V DC	6042884-009	COIL S/A FOR DG3/4VP-3 P 110V DC
873477	S/A SOLENOID 24V DCKUP5D3	6042884-007	COIL S/A FOR DG3/4VP-3 H 24V DC KUP5D3
935870	SA SOLENOID 127V DC280012	6042884-004	COIL S/A FOR DG3/4VP-3 DP 127V DC
694351	SA SOLENOID 220V DC	6042884-010	COIL S/A FOR DG3/4VP-3 S 220V DC