

New Slip-in Cartridge Valve series

Newsletter 5-2013

Slip-in Cartridge Valve series CVCS 16 - 63

- Better performance
- System design flexibility
- Smaller package size
- Faster cycle times
- Improved reliability
- Efficient operation
- High pressure capability
- Reduced internal leakage



The NEW range of Eaton Slip-in Cartridge Valves offers significant advantages to industrial market segments that utilise the high flow and high pressure capability associated with this product type. Specifically, this next generation product includes:

- Product range from size 16 - 63
- Best in class rated flow - typically improvements between 15-40% higher
- A flat cover design, which is interchangeable with competitive products
- New additional functions added to the product range

Best in class rated flow performance means reduced pressure drops and hence significantly reduced energy consumption.

The new design utilises a flat cover design concept and is as such NOT directly interchangeable with the existing Slip-in Cartridge Valve range. However, this new flat cover is backward compatible with competitive products, hence offering new and aftermarket opportunities that were previously not possible.

The new Slip-in Cartridge Valve series follows the same model code concept as the existing valve range, but with a change to the design number: CVCS – 20 design and CVI – 50 design.

The new generation of Slip-in Cartridge Valves will standardise on 4 poppet area ratios 1:1; 1:1.05; 1:1.5 and 1:2

The design includes new options for additional functionality including a normally closed reducer insert, zero side wall leakage options on all spool sizes 25-63 and an expanded range of functions in sizes 50-63.

If you want further information, please contact "OEM International Sales" by phone +45 7514 4444 or by mail info@pmctechnology.dk.

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PMC Windsyn services all customers, Danish as well as international, within Wind Power Energy.

PMC Technology services all industrial customers with hydraulic systems, components, etc. The customers are partly Danish industrial customers and partly international OEM customers.

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How to convert to the new Slip-in Cartridge Valve

5-2013

You can easily identify a "similar" new product type referring to an existing Eaton part number/model code - click here ["Old Design to New Design Cross Ref"](#).

See the short PPT presentation of the new Slip-In Cartridge Valve - click here ["Slip-in Cartridge Valve Sales Presentation"](#).

The new design includes new options with additional functionality - click here ["Slip-in Cartridge Valve Features Summary"](#).

Find the comprehensive technical information and application data in the product catalogue E-VLSC-MC002-E - click here ["Slip-in Cartridge Product Catalogue Web Page"](#).

SLIP-IN CARTRIDGE VALVE - OLD MODEL		SLIP-IN CARTRIDGE VALVE - NEW MODEL	
VICKERS PART	MODEL CODE	VICKERS PART	MODEL CODE
580068	CVI-25-D20-2-M-10	847AN00006A	CVI-25-D20-M-50
580069	CVI-25-D20-2-H-10	847AN00020A	CVI-25-D20-H-50
580067	CVI-25-D20-2-L-10	847AN00003A	CVI-25-D20-L-50
02-156350	CVI-25-D105-L-40	847AN00052A	CVI-25-D105-L-50
02-147130	CVI 25 U 40	847AN00022A	CVI-25-U-50
02-156365	CVI-25-D10-H-40	847AN00007A	CVI-25-D10-H-50
02-156438	CVCS-25-C3-B29-W-250-10	846AN00015A	CVCS-25-C3-W-250-20
02-156945	CVCS 25-N-B29-10	846AN00002A	CVCS-25-N-20
02-411659	CVCS-25-U-B29-W-250-11-EN127	N/A	N/A
580022	CVI-16-D20-2-L-10	847AN00027A	CVI-16-D20-L-50
580023	CVI-16-D20-2-M-10	847AN00019A	CVI-16-D20-M-50
02-156321	CVI-16-D105-L-40	847AN00049A	CVI-16-D105-L-50
02-147131	CVI-16-U-40	847AN00046A	CVI-16-U-50
02-156797	CVCS-16-N-B29-10	846AN00009A	CVCS-16-N-20
02-157565	CVCS-16-C3-B29-W-250-11	846AN00014A	CVCS-16-C3-W-250-20
02-413329	CVCS16U-B29-W250-11-AP08-Z100-EN127	N/A	N/A

Spacer kits remain available for all sizes to enable conversion of CVCS-10 to CVCS-20 design. See below:

PART NO.	MODEL
02-414529	EN9 Kit for Cartridge Valve size 16
02-414530	EN9 Kit for Cartridge Valve size 25
02-414531	EN9 Kit for Cartridge Valve size 32
02-414532	EN9 Kit for Cartridge Valve size 40
02-414533	EN9 Kit for Cartridge Valve size 50
02-414534	EN9 Kit for Cartridge Valve size 63

Unfortunately, there is NO possibility to convert a CVI-40 design to a CVI-50 design - in that case you must exchange both insert and cover to the new design equivalent function.

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