



## KEYSTONE SLURRY CONTROL VALVES

FIGURE 990

Technical specifications for ceramic coating

Technical material specifications	
Trim code number:	W
Formula number:	EM-D1-10
Color:	Dark green
General temperature range:	Minus 20 °C to +360 °C Thermal shock resistance to 250 °C
Abrasion resistance:	Equal to 2800 Vickers in sliding wear
Applied thickness:	20 - 30 microns
Bonding strength:	Greater than 66,000 kPa
Hardness:	1850 Vickers maximum
Basic composition:	Chromia, Silica, Alumina
Product usage:	The ceramic coating of F990's 316 S/S disc stems was developed to extend disc life and reduce costly down time. The coating is designed for light to medium slurries and has a limited acidic resistance. pH range - pH3 to pH11.
Size range:	DN 50 - 300
Comments:	The ceramic coating is a coating and not a sealant. Therefore consideration of applications which involve pH levels outside the range of 3 to 9 must be addressed to Emerson.
General notes:	The maximum temperature rating of the valve arrangement may be less than that for the component detailed above. Refer to the F990 literature sheet for specific pressure/temperature ratings of the valve assembly.



VCTEC-02918-EN © 2017 Emerson Electric Co. All rights reserved 08/17. Keystone is a mark owned by one of the companies in the Emerson Automation Solutions business unit of Emerson Electric Co. The Emerson logo is a trademark and service mark of Emerson Electric Co. All other marks are the property of their prospective owners.

The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available upon request. We reserve the right to modify or improve the designs or specifications of such products at any time without notice.

Emerson Electric Co. does not assume responsibility for the selection, use or maintenance of any product. Responsibility for proper selection, use and maintenance of any Emerson Electric Co. product remains solely with the purchaser.

[Emerson.com/FinalControl](http://Emerson.com/FinalControl)