



## PROCESS VALVE UPDATE

Number: 135/V/2005

May 2005

### SUBJECT: FDA approved PTFE

All PTFE seat materials used in the Worcester valve range, with the exception of 25% glass filled, now have FDA (Food and Drug Administration) approval.

Regulations within the pharmaceutical and food and drink industries are specifying that all components within valves have certification to comply with the requirements of the FDA. Virgin PTFE has always been accepted and approved but materials with fillers used to provide additional strength (glass, carbon and graphite) have often been questioned.

Certification is available upon request for Virgin PTFE, 15% glass filled PTFE and carbon, glass and graphite filled PTFE (Fluorofill) seats.

FDA approved stem seals in 15% glass filled PTFE are available as an option.

Where customers specify FDA approved materials please ensure the requirement is identified at point of order.

Seat material	Seat code	FDA approved
Virgin PTFE	T	Yes
15% glass filled	R	Yes
25% glass filled	H	No
Fluorofill	P	Yes

**Note:** Complete valves are **not** FDA approved, only materials of construction require approval.

**Request for further information should be referred to the Technical Sales Desk.**

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Registered Office: Atlas Works, Station Road, Pershore, Worcs WR10 2BZ. Registered in England No. 02714648

Product Update



Herewith Flowserve Flow Control declares that all 'Stainless Steel' Worcester ball valves series 13, 14, 44, 51, and 59 suited with virgin PTFE seats were found to be in compliance with the hereunder statement:

**Statement of Compliance**

Food & Drug Administration, HHS21 CFR Ch.1 (4-1-03 Edition) Section 177.1550 –  
"Perfluorocarbon Resins".

This is to certify that the specified virgin P.T.F.E. components used in the construction of this product are in accordance with the U.S. regulations.

No additives have been added to Virgin P.T.F.E. throughout manufacture. The product is suitable for use as specified in Flowserve Flow Control (UK) Ltd. Product literature.

For and on behalf of Flowserve Flow Control Benelux BV

Name: Olaf van de Sanden

A handwritten signature in black ink, appearing to read "Olaf van de Sanden". The signature is written in a cursive style and is positioned above a horizontal line.

Position: Head Technical Support/ Q.C.