

COMMERCIAL - IN - CONFIDENCE

# FLUID CONTROL RESEARCH INSTITUTE

एफ.सी.आर.आई.



(ISO 9001: 2008 REGISTERED FIRM CERT.NO: IN/08/1117)

Under Ministry of Heavy Industries & Public Enterprises,  
Kanjikode West- 678623, Palakkad, Kerala, India  
PHONE: 0491 - 2566120/2566206/2566119 Fax : 0491- 2566326  
E-MAIL [customercare@fcriindia.com](mailto:customercare@fcriindia.com)



## CERTIFICATE OF TESTING

CERTIFICATE NO TC7402  
ULR No. TC740218800000005F

**SUB: PROOF OF DESIGN TEST OF DI RESILIENT (SOFT) SEATED  
SLUICE VALVE**

for

**SHIVA INDUSTRIES, JAIPUR**

Report No. : FCRI/SAAP/654 /2018-19

PAGE 1 OF 8 PAGES

DATE OF RECEIPT : 18/11/2018

APPROVED BY

COND. OF RECEIPT : NEW

DATE OF TESTING : 25/12/2018 to 31/01/2019

DATE OF ISSUE : 12/02/2019

*S. Ram Mohan*  
डॉ. एस. राम मोहन / Dr. S. RAM MOHAN  
उप निदेशक / DEPUTY DIRECTOR

### SUMMARY

A 350 mm size PN 1.6 MOTORIZED ACTUATOR OPERATED DI RESILIENT (SOFT) SEATED SLUICE VALVE AS PER BS EN 1171 / IS 14846 , PN 1.6, EPOXY POWDER COATED was tested for 10000 numbers of mechanical cycles as per AWWA C 504 standard under the test pressure of 16 bar. The valve was pressurized to the rated pressure in the closed position for duration of two minutes and made to break open against the rated differential pressure by using an electrical actuator. After completion of cyclic test the valve was subjected to shell test, and seat leakage test. The valve is working satisfactory as described in the test procedure.

Tested by

witnessed by

Checked by

HARI GOVIND *H.G.*

DEV KUMAR

*S. Manikandan*  
S. MANIKANDAN

*Ashif.M*  
ASHIF.M

SHIVA INDUSTRIES

Results presented in this report relate only to the items mentioned & tested by FCRI  
This report shall not be reproduced except in full without written approval of FCRI  
The uncertainties are for a confidence probability not less than 95.4%