## INTERNATIONAL STANDARD

ISO 9635-1

Second edition 2014-11-15

## Agricultural irrigation equipment — Irrigation valves —

Part 1: **General requirements** 

Matériel agricole d'irrigation — Vannes d'irrigation — Partie 1: Exigences générales





## COPYRIGHT PROTECTED DOCUMENT

© ISO 2014

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office Case postale 56 • CH-1211 Geneva 20 Tel. + 41 22 749 01 11 Fax + 41 22 749 09 47 E-mail copyright@iso.org Web www.iso.org

Published in Switzerland

Contents			Page
Fore	word		iv
1	Scop	e	1
2	Norn	native references	1
3	Terms and definitions		
4	Design requirements		
<b>T</b>	4.1	Materials	
	4.2	DN	
	4.3	Pressures	
	4.4	Temperatures	
	4.5	Design of shell and obturator	4
	4.6	End types and interchangeability	
	4.7	Operating direction	
	4.8	Maximum water velocity	
	4.9	Valve parts	
	4.10	Internal corrosion and ageing resistance	
	4.11 4.12	External corrosion and ageing resistance	
		•	
5		ormance requirements	
	5.1	General	
	5.2	Mechanical strength	
	5.3 5.4	Watertightness	
	5.5	Resistance to chemicals and fertilizers	
	5.6	Endurance test	
6		ormity assessment	
	6.1 6.2	General	
	6.3	Type testsControl of production process and quality system	
_			
7		cing	
8	Pack	aging	9
Ann		rmative) Test method for resistance to internal pressure of shell and all	
	pres	sure-containing components	10
Ann	ex B (no	rmative) Test method for resistance of obturator to differential pressure	11
Ann	ex C (no	rmative) Test method for resistance of valves to bending	13
Ann		rmative) Minimal test method for watertightness to external pressure of shell nll pressure-containing components	15
Ann	ex E (no	rmative) Test method for resistance to chemicals and fertilizers	16
		rmative) Test method for water or air tightness of valve body	
	_	rmative) Test method for seat tightness	
	iogranh	· · · · · · · · · · · · · · · · · · ·	23