



**Technical Specification of D.I Gate Valve 50mm F/F**

The following are the requirements needed for the purchase of D.I Gate Valve. Please write "comply" under the statement of compliance if applicable.

Component List Requirements		Statement of Compliance
1. Stem	Stainless steel 1.4104/1.4021	
2. Wiper Ring	NBR Rubber	
3. O-ring	NBR Rubber	
4. Bushing	Polyamide	
5. Bonnet	Ductile Iron GJS-500-7 (GGG-50)	
6. Thrust Collar	Brass DZR CW602N (CZ132)	
7. Manchette	EPDM Rubber	
8. Stop Ring	Stainless steel	
9. Bonnet Bolt	Stainless steel A2	
10. Bonnet Gasket	EPDM Rubber	
11. Wedge Nut	Brass DZR CW626N	
12. Wedge Core	Ductile Iron GJS-500-7 (GGG-50)	
13. Wedge Rubber	EPDM Rubber	
14. Body	Ductile Iron GJS-500-7 (GGG-50)	
15. Circlip Ring	Stainless steel	
16. Wrench Nut (see attached picture)	Carbon Steel	
17. Theoretical Weight (kg)	10kgs. (accessories not included)	
<b>Additional Requirements</b>		
18. Resilient Seated		
19. Finished Electrostatically applied fusion bonded epoxy resin with RAL-GZ 662 as approved by WRAS		
20. Minimum coating thickness of 250-300 microns (DIN 30677 Standard)		
21. O-ring stem seal must be DIN and ISO Standard for Water Applications		
22. The two components only - Body and Bonnet must have a maintenance free design		
23. Fix wedge nut to ensure safety operation		
24. Fully vulcanized wedge design		
25. Wedge nut is made of dezincification resistant brass with lubricating ability		
26. Have 3 independent stem seals offering triple safety: *polyamide bearing with 4 NBR O-rings that protects against galvanic corrosion *with EPDM rubber manchette sealing that acts as the main hydraulic seal to the flow		

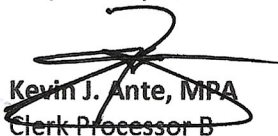
*Safe Water... Our Thrust, Our Service, Our Commitment.*



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*an NBR wiper ring that protects against impurities from the outside	
27. Working pressure is 250 up to 300 PSI	
28. Ten (10) Years Warranty: Certificate must be authenticated by principal supplier/manufacturer	
29. Must have ISO Certification	
30. WRAS Approved – must be verifiable from WRAS approvals website	
31. Must have full circle thrust collar for reliability and smooth operation	
32. Stem must be mounted in the bonnet from below	
33. Stem sealing must be replaceable	
34. Stem must be cold forged rolled threads	
35. Stem must be replaceable under pressure	
36. Patented wedge shoe design, fully vulcanized to the wedge core	
37. Rubber must ensure minimum biofilm formation according to DIN DVGW W270	
38. Must have strong corrosion protection according to DIN 30677-2	
39. Must have GSK Certification	

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