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## Research

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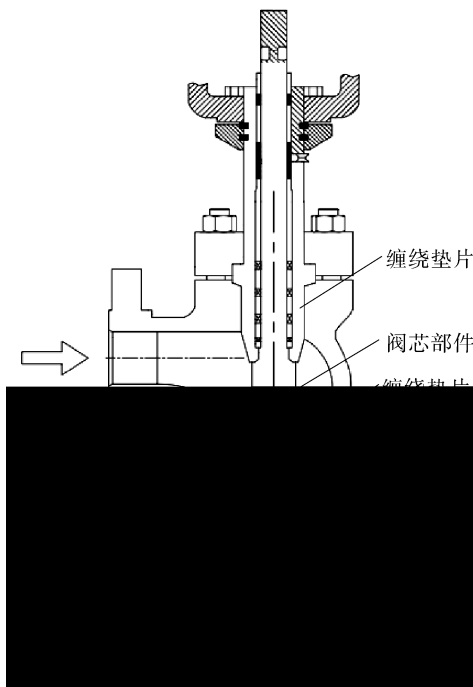
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36

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78

01/02 LV- 01/02 FV- WC WC  
 LV- 03 HRC60  
 LV- 04 2  
 19 Jana 20  
 5.43 MPa  
 246 °C  
 /  
 14 MAZUMDER 21  
 2



CFD

22

2

Fig2 Structural diagram of black water valve

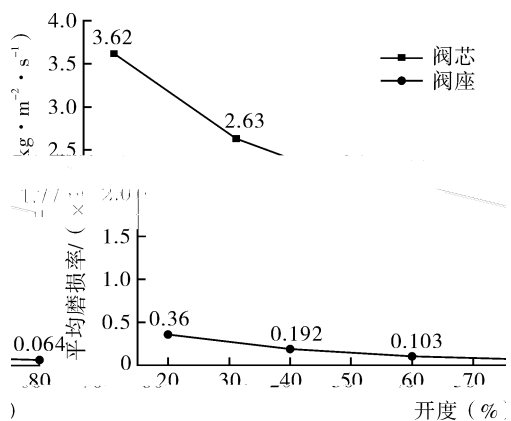
3





27  
10%~90%

28  
B/S



8

Fig8 The curve of the average wear rate of the valve core and valve seat with the opening degree

3

	DCS
	DCS
CN Cl <sup>-</sup> pH	LIMS

91%

4

1

 $2 \cdot 10^6 \text{ kg/ m}^2 \cdot \text{s}$ 

80%

 $1.77 \cdot 10^8 \text{ kg/ m}^2 \cdot \text{s}$ 

2

20%

 $3.62 \cdot 10^8 \text{ kg/ m}^2 \cdot \text{s}$

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