

for MITSUI—MAN B&W engines,  <b>Introduction of back seat type indicator valve</b>		<b>No.102</b>	
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<b>ENGINE TYPE</b>	<b>All</b>	<b>DATE</b>	<b>8<sup>th</sup> April, 2019</b>

We are pleased to introduce back seat type indicator valve, which was developed as improvement product.

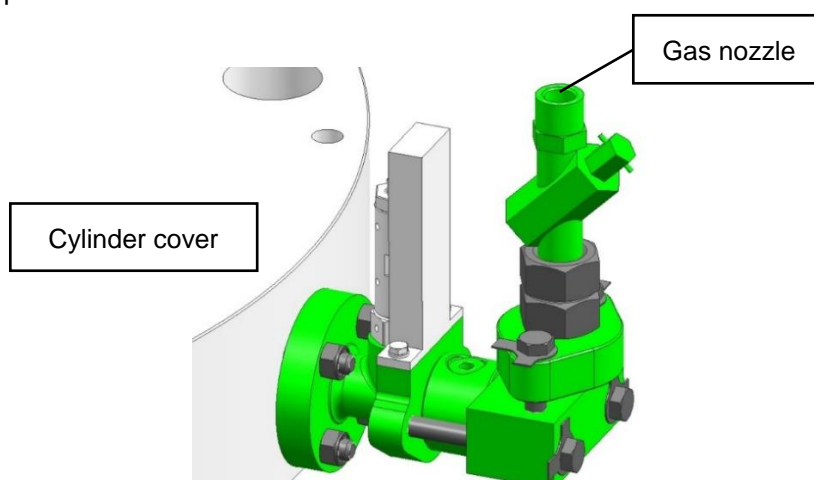


Fig.1: Schematic of back seat type indicator valve

< Detail of back seat type indicator valve >

The gas seal design of back seat type indicator valve is different from that of conventional indicator valve. Conventional type uses the springs for gas seal, but meanwhile, back seat type is seated to gas seal position by gas pressure. Therefore the gas seal performance of back seat type will not be lose since thermal deformation of spring no longer occurs (refer to Fig.2). Totally satisfying performance for the gas seal is confirmed against recent high cylinder pressure engines.

<b>PRIORITY</b>			
IMMEDIATELY <input type="checkbox"/>	AT FIRST OPPORTUNITY <input type="checkbox"/>	WHEN CONVENIENT <input type="checkbox"/>	OTHERS <input type="checkbox"/>

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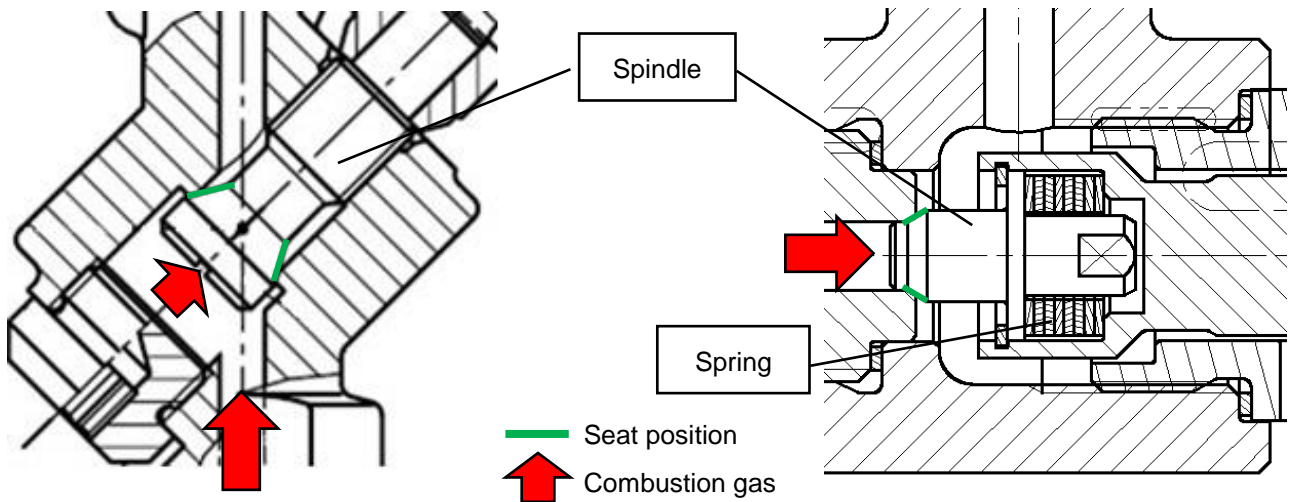


Fig.2: Comparison of gas seal design (Left=back seat type, Right=conventional type)

In the service vessels equipped with conventional type, the gas leakage of indicator valve by the damage of seat position and thermal deformation of spring have been reported like as described in Mini News No.93. Back seat type has lower risk against deterioration of gas seal performance since it is seated by gas pressure.

Regarding the modification from conventional to back seat type, it is possible by only replacing with indicator valve, and they are interchangeable parts. However, some of engines are required to be replaced with distance piece in addition to indicator valve depending on the fuel high pressure pipe position.

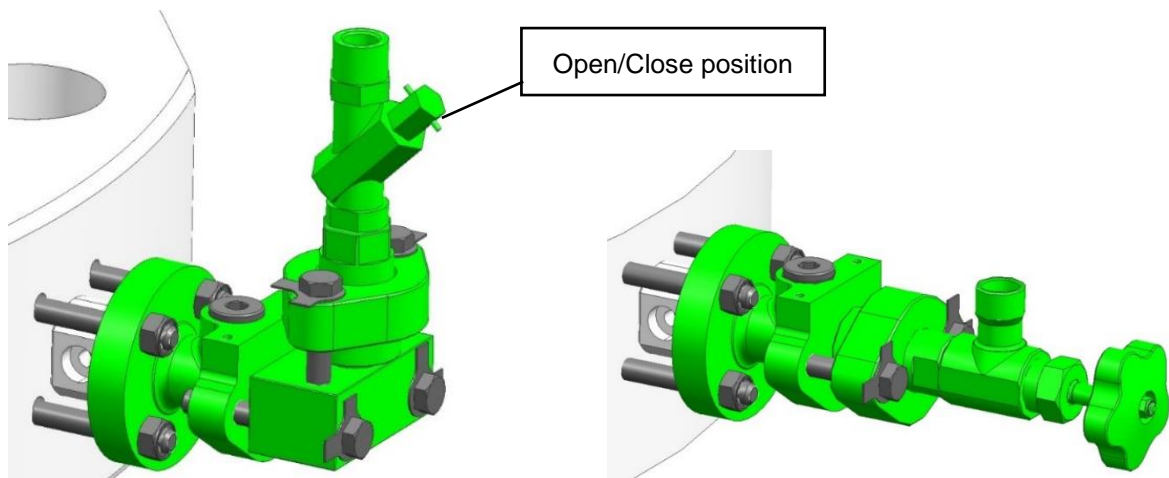


Fig.3: Mounting situation (Left=back seat type, Right=conventional type)

It is necessary for back seat type to use the dedicated handle when you open/close the indicator valve, also storage holder to be supplied. (refer to Fig.3 and Fig.4)



Fig.4: Dedicated handle for open/close

For any inquiries, please contact the sales representative with reference to Service Note No.111.