

Graphite packing rings seals for superheated steam valve at temperature + 550°C, pressure 160 barg. (uncontrolled hydraulic shocks are possible).

Ring seals for high temperature and pressure valves sealing from graphite foil materials contains:

- nuclear grade pure graphite at  $\geq 99,85$  % carbon;
- without binders or fillers;
- chlorides not less than 20 ppm according to standard DIN 28090;
- sulphur not less than 300 ppm according to standard DIN 28090;
- with oxidation inhibitors.

Ring seals type A (for valve stems applications) densities 1,4 - 1,6 g/cm<sup>3</sup>, rectangular profile. Provide two forms ring: forms A1 single forms and A2 - with two cuts (ring split in half).

Ring seals type B (for static applications) densities 1,6 - 1,8 g/cm<sup>3</sup>, rectangular profile, reinforced with inside metal foils and steel jackets at the corners (full for one flat and outer corner for second flat).

Ring seals type B1 (for static applications) densities 1,6 - 1,8 g/cm<sup>3</sup>, rectangular profile, reinforced with inside metal foils (for static packing seals where rings count is more than two).

Based on the above data, the supplier must submit offers for valve seals, their proposed assembly and. The proposal must include material properties, installation recommendations, recommended tightening torques and mounting manual.

#### Desirable graphite packing rings seals dimensions:

<b>Type A</b> for valve stems applications, mm	<b>Type A1</b> for valve stems applications (ring split in half), mm	<b>Type B</b> for static applications, mm	<b>Type B1</b> for static applications, mm
24x14x5	52x36x8	120x100x15	120x100x15
30x18x6	64x44x10	170x145x15	170x145x15
32x20x6	78x52x13	200x170x15	200x170x15
52x36x8	86x60x13	250x210x20	250x210x20
56x36x8	104x72x16	300x270x20	300x270x20
62x36x13	135x104x15	360x305x25	360x305x25
64x44x10			
78x52x13			
86x60x13			
104x72x16			
135x104x15			

