

BPG 7829



PROPERTIES

BPG 7829 Solar Set is made of a unique combination of next-generation engineered components in an innovative configuration to withstand the harsh requirements in molten salt applications.

The bottom of the set is additionally equipped with a metal cap to protect the set against aggressive or oxidizing media. The metal cap at the top will protect the set against influence of the atmosphere at high temperatures. The core of the set features an advanced sealing material composition with progressive low-friction impregnation which additionally protects the set against aggressive media. Furthermore, the set is supported by intermediate, mineral-based high-temperature barrier discs which create a reliable low leakage sealing solution.

APPLICATIONS

BPG 7829 has been especially developed as a sealing element for high temperature and corrosive resistant valves used in molten seal applications. These high temperature valves are currently in use at Concentrating Solar Plants (CSP) where molten salts are being used as a substitute to conventional heat transfer fluids, such as heat transfer oils and steam.

OPERATION PARAMETERS

Speed	2 m/s
Temperature	-200°C...+600°C
PH Value	0 ... 14
Pressure	30 MPa

PRODUCT SPECIFICATIONS

Media	Molten salt, oxidizing media and other chemicals
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BENEFITS

- Top and bottom ring with metal cap
- Oxidation protection against atmosphere and medium
- Advanced impregnation for friction reduction and protection against media
- Mineral-based discs between sealing rings
- Barrier against media permeation
- Protection against aggressive media