

TECHNICAL DATA SHEET

High Performance Sealing Materials




EXPANDABLE VALVE CARTSEAL

Description:

Fugitive emissions are hazardous and costly, as large process costs are involved in fluid or gas handling. VOC's find leak paths in valves along the stem. The steam leakages prove extremely costly on control of turbine valves, due to pressure and thermal fluctuations.

EVCS is a state of the art new generation seal designed specifically to conform to fugitive emission norms. V shape design permits effective sealing's at all times due to radial expansion of tips under live loadings. These seals have high performance capabilities and give excellent results in critical fluid and gas applications. These are custom built and manufactured to custom orders.

Operational Parameters:

PROPERTIES			
pH	0-14		
TEMPERATURE (°C)	-240 to +650		
PRESSURE (BAR)	350	350	---
VELOCITY (m/s)	25	25	---
SIZE	Customary sizes made to order		

Advantages:

- ❖ Performance beyond set standards for VOC, hazardous chemicals.
- ❖ Friction reduces by 15-25%.
- ❖ Self adjustments to thermal and pressure cycles.

Typical Applications:

The variable densities of selected packing rings, adjust to wide range of chemicals including fluids, gases, VOC's or solids at variable temperature and pressure. The excellent sealability of valve cartseal enables total leak free performance over long runs. The costly on-line leak sealing can be eliminated.

All information and recommendations given in this technical data sheet are correct to the best of our knowledge. However, in view of the wide variety of application and operating conditions one cannot draw the final conclusion in all application cases regarding the behavior of compounds. The above information can only serve as a guideline.

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