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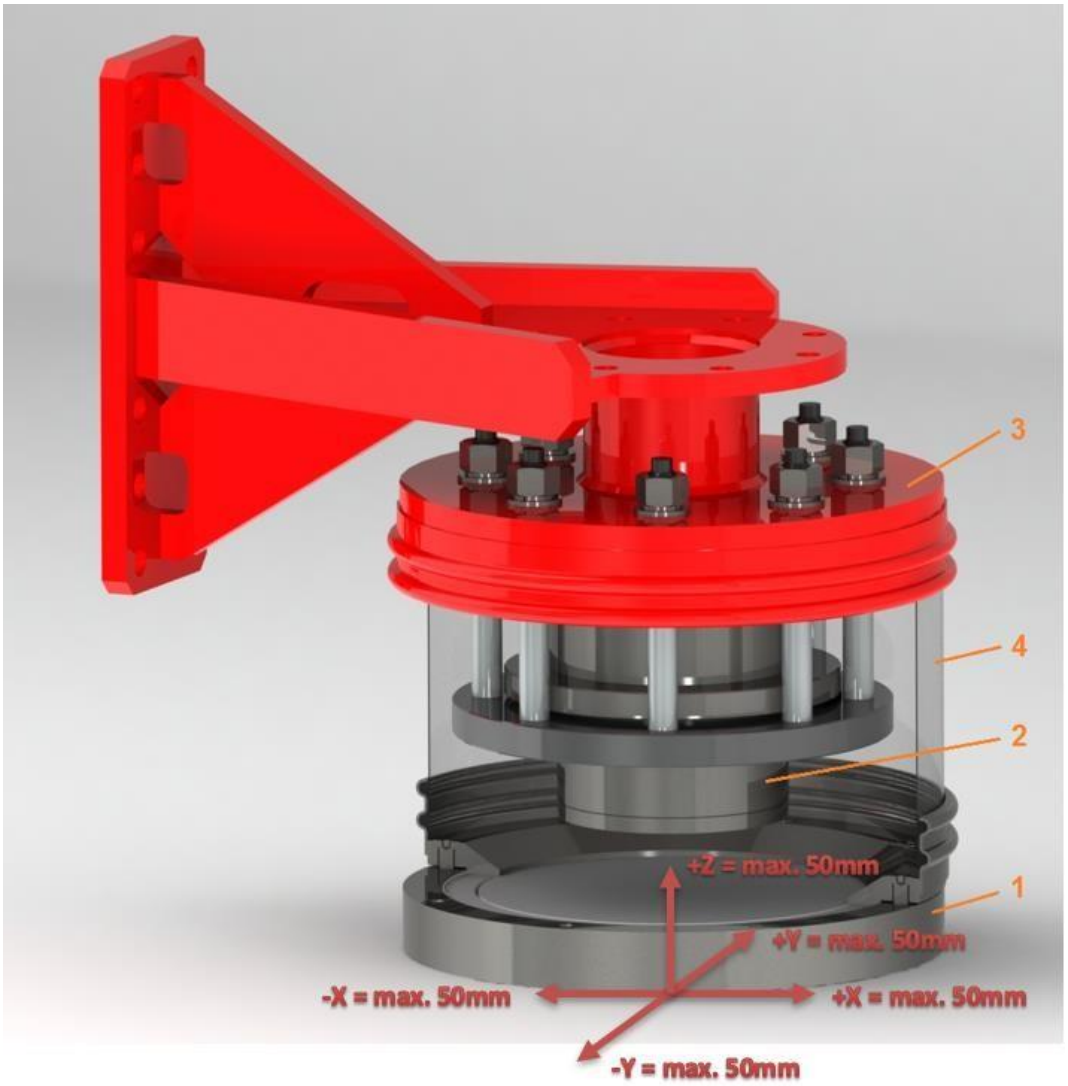
HRD nozzle for vibration technology

A nozzle that is used to inject powder into a protected device to suppress an explosion. It is mainly used for vibration technology (vibrating troughs, etc.).

It consists of the bottom (1) (which is welded to the technology). The upper part (2) which is attached to the bracket piece (3) and the two parts are connected by a compensator (4). The figure shows the maximum feed rates of the vibrating device in each axis.



TECHNICAL PARAMETERS	
Nozzle material	AISI 304 (alternative AISI 316L)
Membrane material	PTFE (FDA)
Temperature resistance of nozzle	-30°C to + 240°C
Temperature resistance of compensator	-25°C to 110°C (short term 120°C)

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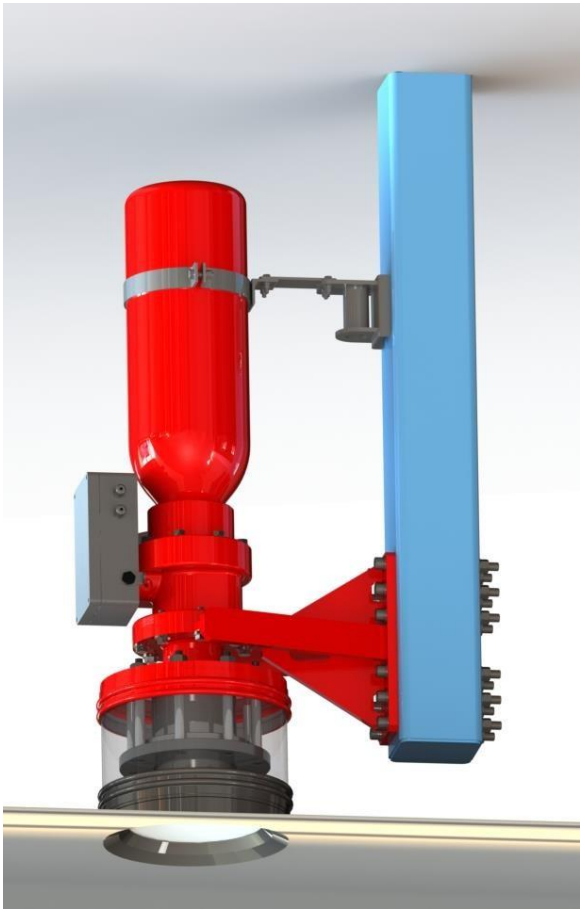
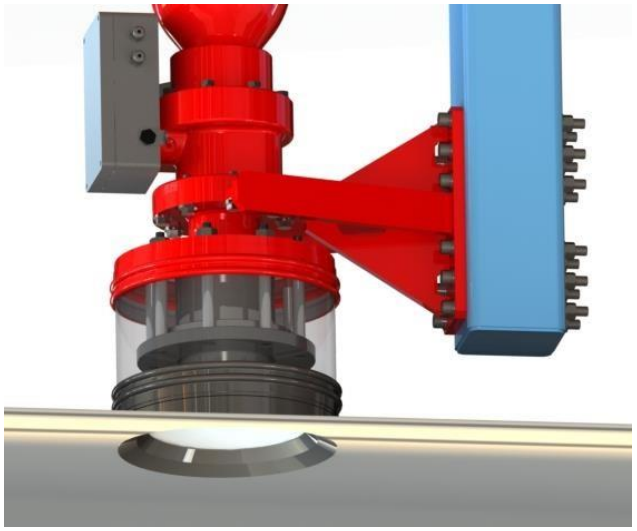
INSTALLED HRD CONTAINER FOR VIBRATION TECHNOLOGY



NOZZLE POSITION BEFORE ACTIVATING HRD



NOZZLE POSITION AFTER ACTIVATING HRD