Design of Insulating Couplings for Liquid Media

Questions	Answer
1. Media	
2. Pipe dimension	
3. Wall thickness	
4. Material	
5. Pressure class after ASME or DIN	
6. Temperature	
7. Thermal conductivity	
8. Welded ends or flanges	
9. Built-in conditions	
10. Temperature environment	
11.	
12. Other	

Properties	Advantages	Return on the investment
IK=Isolated coupling	NO bolt connections	Maintenance free Control measured 1x annular
Weatherproof	Can be used outdoors without special protection. When they mounted correctly.	Maintenance free Control measured 1x annular
Applied to liquid media with temperature from -10° to 80°C	Used for cathodic protection Coates exterior with Coal Tar Epoxy	Maintenance-free Control measured 1x annually Ensures a longer spark jump
Used on pipes with temperatures from -10° to +149°C	Used against induction current from high voltage. Use against vagabonders current At high voltage with coating TK-236	Maintenance-free Control measured 1 x annually Ensures a longer spark jump Very durable coating that does not cook at +125° and has a excellent electrical insulation
Mounting the IK	For liquid media, IK is mounted with a drop of min. 2°	There can be no standing water and sludge above the insulation
Of course, we are always available with know-how when designing any kind of insulating couplings		

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