

## Why is Surface Finish important?

- ❑ A high level of surface finish assists with self draining and also helps prevent the growth of impurities. Improved surface finish can be achieved through either Mechanical Polishing or Mechanical Polishing followed by Electropolishing
- ❑ ASME BPE has **SF** values for surface finish

## What is Mechanical Polishing?

- ❑ Mechanical polishing reduces surface highs and lows to provide a uniform roughness using abrasives on rotating equipment. This can also be done by hand if required. The process uses differing grit successively to achieve the required surface finish
- ❑ A high level of surface finish assists with self draining and also helps prevent the growth of impurities.

Ra Reading for Metallic Contact Surfaces		
Mechanically Polished		
ASME BPE Surface designation	Ra Max.	
	µin	µm
<b>SF1 - WK70 Standard</b>	<b>20</b>	<b>0.51</b>
SF2	25	0.64
SF3	30	0.76
Mechanically Polished and Electropolished		
ASME BPE Surface designation	Ra Max.	
	µin	µm
<b>SF4 - PWK70 Standard</b>	<b>15</b>	<b>0.38</b>
SF5	20	0.51
SF6	25	0.064