



## APS KLEERBAND® FLANGE PROTECTOR

Engineering Specification  
Rev. 040626  
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Advance Products & Systems, LLC (APS) manufactured **Kleerband®** flange protectors shall be installed on all pipe flanges.

Shrink Sleeves, tape products and wax fillers will *NOT* be allowed as an alternative.

Flange protectors APS Model KBSSX shall be constructed of 100% UV resistant clear virgin vinyl with a tensile strength of 2425 PSI and a max operating temperature of 167°F , and shall wrap around the gap between flanges. The Kleerband® shall be 1 ½” wide for pipe sizes ½” to 8” class 150, ½” to 3” class 300, and ½” to 1” class 400 & 600; for all other larger nominal pipe sizes, the Kleerband® shall be 2 ½” wide as designed and manufactured by Advance Products & Systems. APS engineering department reserves the right to submit a Kleerband® option best suited for the application.

Kleerband® is manufactured to fit all ANSI flanges 150# series to 2500# series, from ½” diameter to 144” diameter. Also available are Flange Protectors to fit API 2000# to 15,000# flanges, API Integral flanges, API obsolete flanges and AWWA flanges.