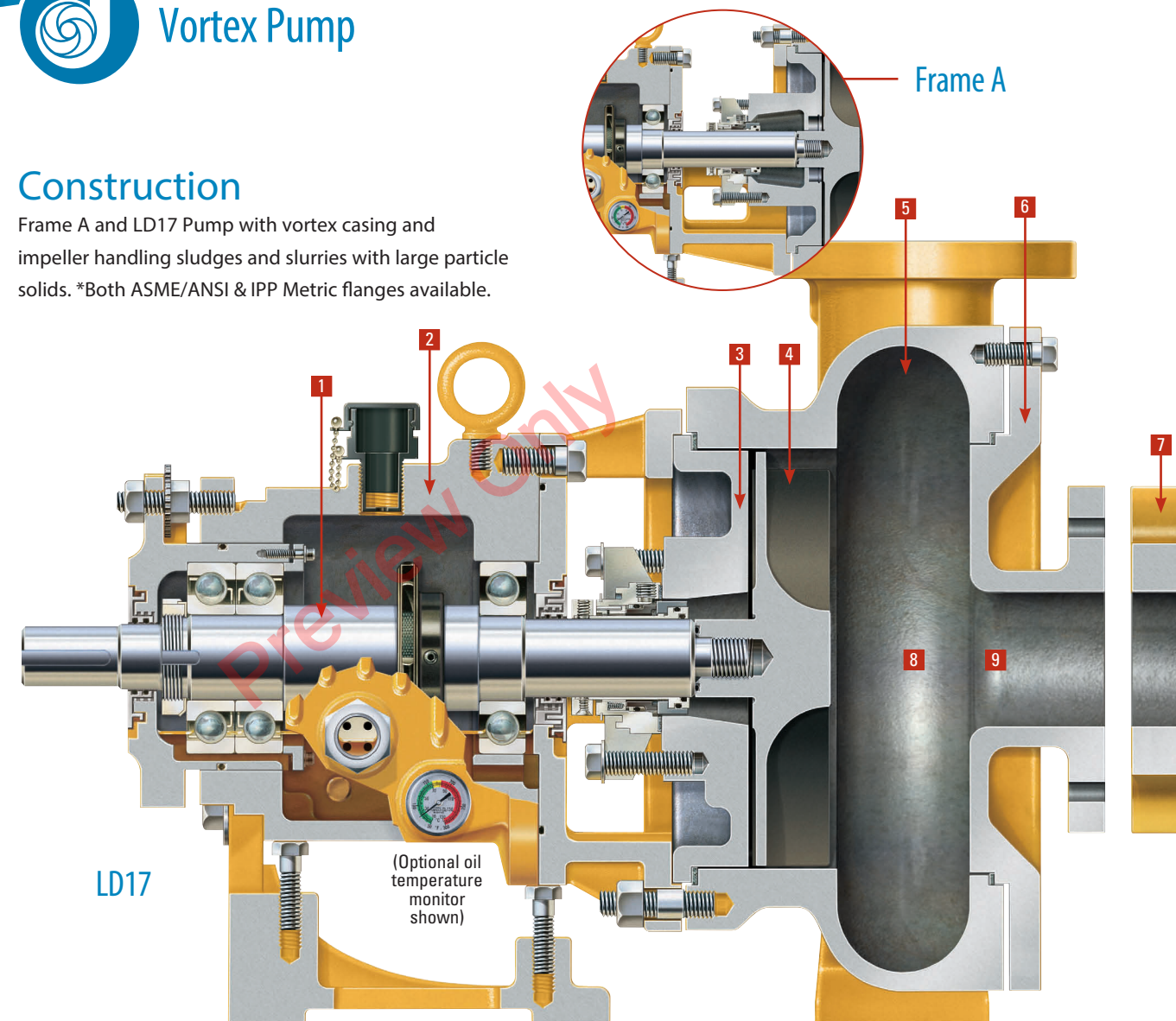




Vortex Pump

Construction

Frame A and LD17 Pump with vortex casing and impeller handling sludges and slurries with large particle solids. *Both ASME/ANSI & IPP Metric flanges available.



■ Provides a solution to difficult pumping problems such as sludges and slurries with large particle solids, materials with entrained air, stringy or fibrous materials

■ Designed to fit the standard System One and LD17 power ends and includes all the features and benefits of our System One pump

- 1 LD17 shaft¹
- 2 LD17 power end¹
- 3 Back cover/seal chamber
 - Taper bore provided on LD17
 - Straight bore with cast restriction bushing or open taper configurations available for Frame A
- 4 Vortex impeller recessed out of passageway.
- 5 Vortex casing
- 6 Removable suction cover

¹ Also available in Frame A (see circle inset above and System One Frame A Pump section for details of Power End).

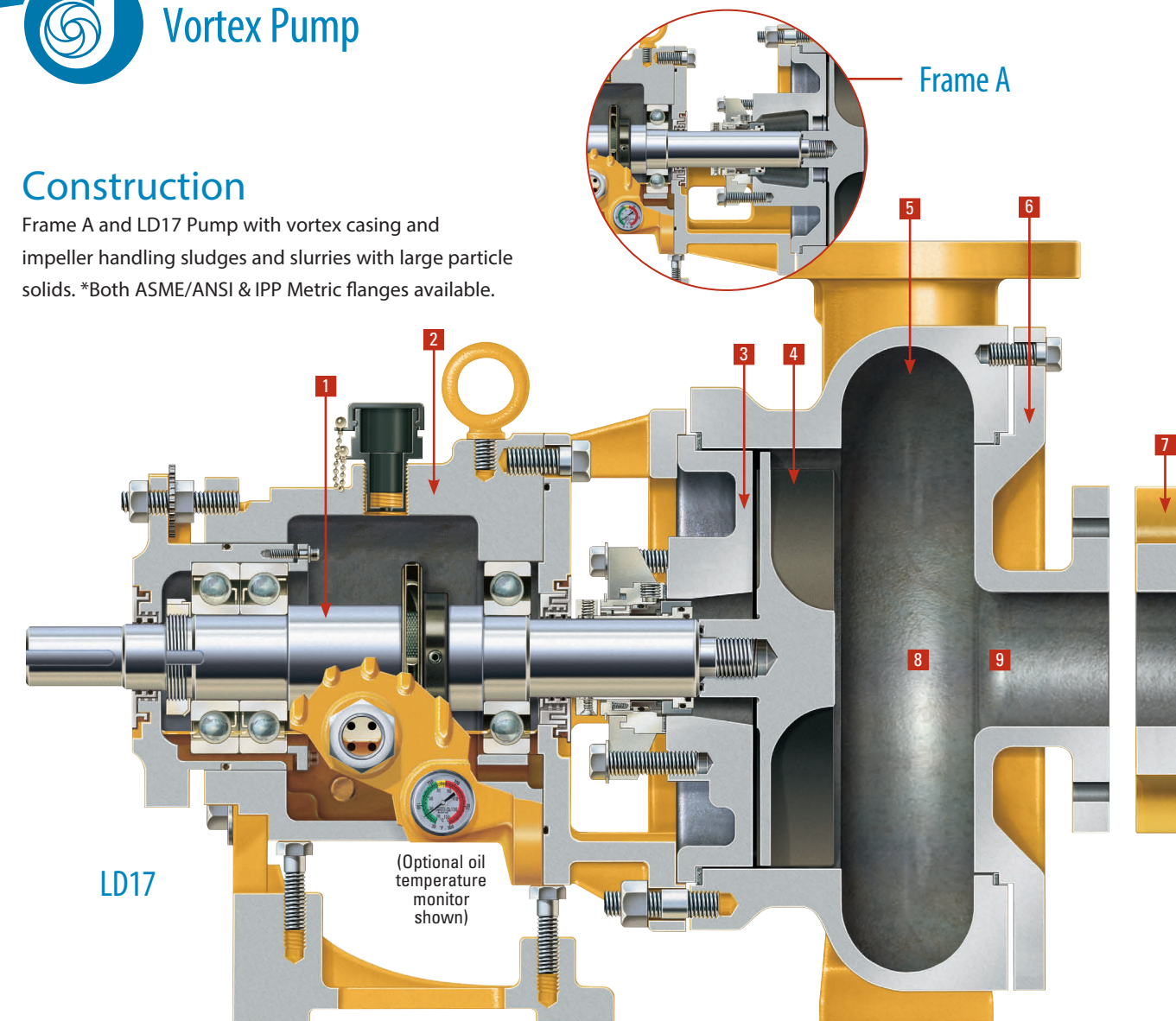
- 7 Optional spacer flange allows removal of separate suction cover for cleanout without disturbing piping
- 8 Solids are drawn into the vortex of swirling liquid and are discharged by centrifugal force through the open area of the casing with minimum impeller contact for minor particle degradation
- 9 Suction and discharge passageways are one continuous open area
 - 2" pump can pass a 2" (50 mm) solid
 - 3" pump can pass a 3" (75 mm) solid
 - 4" pump can pass a 4" (100 mm) solid



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