

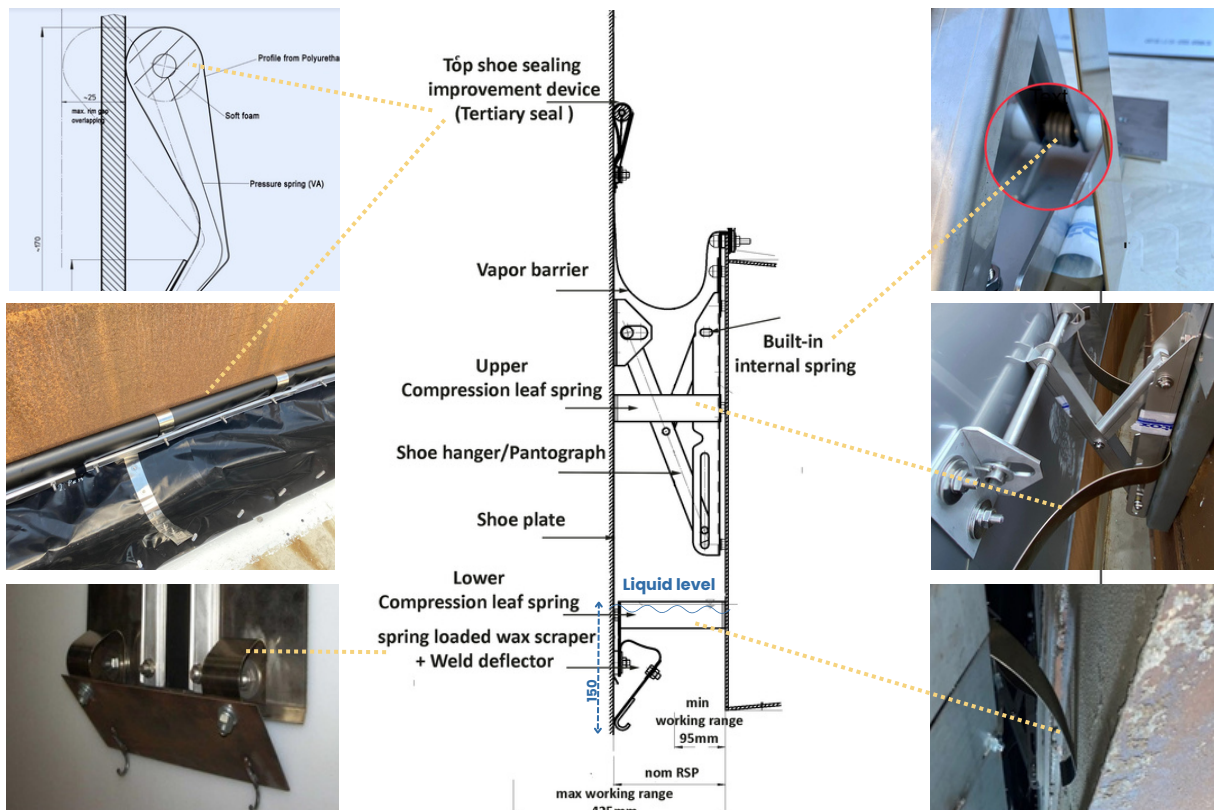
Material Specification & dimensions

Primary mechanical shoe seal + Shoe mounted Tertiary seal

	Materials	Dimensions	Acceptance Criteria	Comments
Shoe Plates	304 Stainless Steel	3.6M x 1.0M x 1.2mm	14 Pressure Points/Shoe	+/- 25mm lateral Movt
Shoe Pantograph	304 Stainless Steel	min 2 pantograph per shoe.	Working range 95mm to 425mm.	Built-in internal coil spring.
Pressure Leaf spring	301 ST (1.4310)	2.0 THK – 4 Spring/shoe	Force -160 N per spring	
Vapor Barriers	Reinforced fabric: PTFE / Polyurethane / NBR	0.25mm THK 0.6mm THK 2.0mm THK	C.O.C	Fabric width min. 600mm
Top Shoe Sealing Improvement Device (Tertiary seal)	304 Stainless Steel	Springs loaded	+/- 25mm Radial Mov	
Clamping bars / Bolts Nuts & Washers	304 Stainless Steel	Min 2.0 mm THK		
	304 Stainless Steel	As needed	Metric Units	
Wax scraper	C.ST	Spring loaded	Wax free shell & roof	Crude oil product

* When using "Wax Scraper" the shoe plates shall be 1.5 mm galvanized steel

** For Crude oil tank the vapor barrier to be of 2.0 mm THK Reinforce NBR



Secondary compression plates seal

	Materials	Dimensions	Acceptance Criteria	Comments
Compression Plates	304 Stainless Steel	1.5mm THK	Nominal RSP -X+3X	Not bolted together
Wiper Tip Blade	Buna -N Rubber	15.0 mm THK	Oil/Abrasion/UV-Resist	
Vapor Barriers	Reinforced fabric: PTFE / Polyurethane	0.25mm THK 0.6mm THK	C.O.C	Fabric width- min. 600mm
Weld Deflectors	304 Stainless Steel	1.5mm THK	Applied every 100 mm	
Static Shunts	304 Stainless Steel	1.0mm THK	Applied every 3.0m	Low sparking STST
Clamping bars / Bolts Nuts & Washers	304 Stainless Steel 304 Stainless Steel	Min 3.0 mm THK As needed	Metric Units	
burned out panels/ foam ports (optional)	PTFE/Polyurethane	Min 130 cm2 per panel	As per NFPA-11	Applied every 3.0m
Integral Foam Dam (optional)	Galvanized	3.4 mm THK	As per NFPA-11	Min 610 mm height

