

PENBERTHY

material specifications

Section 2000
 Material Specification 2605
 Issued 09/05
 Replaces 07/02

For: RL and TL GAGES

Ref. No.	Description	STANDARD MATERIALS			Optional Materials
		Carbon Steel to -20°F	STS Wetted to -20°F	Sour Gas Service to -20°F	
1	Cover	ASTM A395 Ductile Iron			ASTM A123 Galvanized Ductile Iron
2	Chamber	ASTM A105 (forged) Carbon Steel	ASTM A276 316/316L STS	ASTM A105 (forged) Carbon Steel per NACE MR0175 &/OR MR0103	ASTM A276 304/304L STS ASTM A276 Duplex 2205 STS ASTM B164 Monel® 400 ASTM B473 Alloy 20 (CARP 20 Cb3)® ASTM B335 Hastelloy B® ASTM B575 Hastelloy C® 276 ASTM A123 Galvanized Steel
4	Nut	ASTM A194 Carbon Steel Gr. 2 or 2H			ASTM A194 Gr. 8M 316 STS ASTM A153 Galvanized Steel
7	Gasket	Grafoil® Gr. GHP w/polyester (Mylar) insert			Nobestos® D7301 Garlock® 3000,3100,3200,3300,5500 PCTFE (replaces Kel-F®) Gylon® 3500, 3504, 3510 Teflon® (25% glass filled, virgin)
8	Cushion				Grafoil® Gr. GHR w/316 STS insert Buna-N Neoprene® Viton® consult factory for others
9	Shield ^A	None			ASTM D351 Mica Gr. V-4 PCTFE (replaces Kel-F®)
48	Glass	Reflex or Transparent Style Tempered Borosilicate			Aluminosilicate (Transparent only)
100	Cap Screw or U-Bolt	AISI 4140 or 4142 Alloy Steel per ASTM A193 Gr. B7			ASTM A193 Gr. B8M Cl. 2 316 STS ASTM A153 Galvanized Steel
125	Washer	ASTM B633 Zinc Plated Carbon Steel			18-8 STS (302-304 STS)
331	Band	Rubber			None

^A under no circumstances should shields be used in reflex style gages. Installation of shields in reflex style gages will keep the fluid from coming in contact with the reflective prisms, thereby prohibiting visibility of the liquid level in the gage.