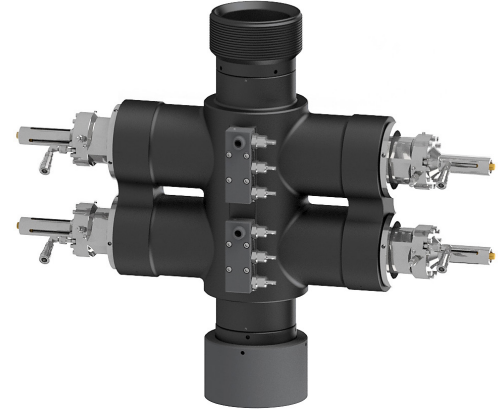


4" 10K LIGHTWEIGHT WIRELINE PCE

DESCRIPTION

The new 4" lightweight PCE is up to 30% lighter than our standard version. The lightweight BOP's are available in single, tandem, triple and quad configurations.



DESIGN HIGHLIGHTS

- Rated for sour service applications in conformance with NACE spec MR0175.
- A completely new BOP designed and engineered in-house utilizing innovative technology to create the most efficient profiles, maximizing weight reduction.
- New equalizing valve manifold to reduce size, weight, and complexity. Metal to metal seals w/ backup O-rings.
- Shorter make-up lengths.
- New integral design on the pump-in-sub.
- Upgraded material for greater strength with less weight.
- Designed, engineered, & manufactured according to API specifications.

STANDARD VS. LIGHTWEIGHT PCE COMPARISON

ITEM DESCRIPTION	#	LS 4" 10K STANDARD			LS 4" 10K LIGHTWEIGHT			
		WT.	PACKAGE WT.	HOISTED WT.	WT.	% WT. DECREASE	PACKAGE WT.	HOISTED WT.
3" 10K Linewiper Packoff E06	1	80	80	2,246 lbs.	80	0%	80	2,090 lbs.
3" 10K 6 Section Grease Head E06	1	138	138		138	0%	138	
3" 10K head catcher E6	1	106	106		106	0%	106	
XO 3" E06 to 4" E12	1	32	32		32	0%	32	
Lubricator 4" 10K 4' E12	2	128	256		110	14%	220	
Lubricator 4" 10K 10' E12	6	250	1500	230	8%	1380		
4" 10K QTS E12	1	134	134	134	0%	134		
4" 10K Tool Trap E12	1	244	244	2,759 lbs.	115	53%	115	817 lbs.
4" 10K Tandem WL BOP E12	1	2290	2290		581	75%	581	
4" 10K Test Cap E12	1	63	63		45	29%	45	
4" PIS BX152 E12	1	162	162		76	53%	76	
Combined			5,005				2,907	