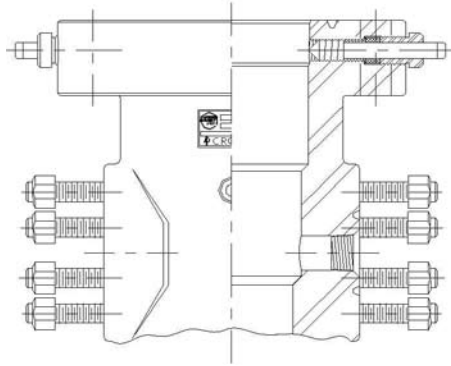


Type CU/CUM



“CU/CUM” Tubing Head

The Crown tubing head is attached to the uppermost casing head or the smallest casing string which serves to suspend the tubing and to seal the annular space between the tubing and the casing. When the well is completed, the christmas tree is installed on top of the tubing head using a tubing head adapter.

The Crown CU tubing head has the same straight bore design as the CTC tubing head. They will accommodate type CU single and multiple tubing hangers or the CC-22 slip-type casing hangers.

The secondary packoff can be either a CP or PI built-in or bushing seal.

The Crown CUM tubing head has the same straight bore design as CU with no alignment pin for single-string CU series tubing hangers. The CUM can be upgraded to a CU head by the addition of an alignment pin. The secondary packoff can be either a CP or PI built-in or bushing seal.

Design Features:

Bottom Connection

- can be flanged, clamp-hub bottom, slip-on weld or threaded
- the type and pressure rating used must match the top flange of previous casing spool or head, or size of casing

Top Connection

- generally a flanged connection but can be clamp-hub or hammer cap
- the clamp-hub connection is sometimes specified because of fast make-up, reduced weight and size of wellhead assembly
- the pressure rating of the top connection is normally determined by the production pressure of the well

Side Outlets

- typically has two side outlets providing access to the annulus between the tubing and production casing
- available threaded, flanged, studded or clamp-hub
- valve removal threads are standard on all flanged, studded and clamp-hub outlets to facilitate valve removal

When ordering Crown Tubing Heads, please specify the following information:

- | | |
|---|---|
| <ol style="list-style-type: none"> 1) Crown Model 2) Bottom Connection <ol style="list-style-type: none"> a) Flanged, Studded or Clamp Hub b) Size c) Working pressure 3) Top Connection <ol style="list-style-type: none"> a) Flanged, Studded or Clamp Hub b) Size c) Working pressure | <ol style="list-style-type: none"> 4) Side Outlets <ol style="list-style-type: none"> a) Threaded or Studded b) Size c) Working pressure 5) Standard or H₂S Service 6) Options <ol style="list-style-type: none"> a) Secondary seal style b) Are “P” type lockscrews required? 7) Is aligning pin for dual hanger required? 8) PSL requirement |
|---|---|

Available to meet all appropriate API-6A requirements.



Dimensional Data for CU/CUM Tubing Heads

Top Flange		Bottom Flange		Casing Size (maximum)	Outlets	Minimum Bore	Maximum Suspended Casing Size	Approx. Height
Size	WP	Size	WP					
9	5000	13 ⁵ / ₈	5000	8 ⁵ / ₈	2 ¹ / ₁₆ -15000	7.62	5 ¹ / ₂	26 ¹ / ₈
228.6	345	346.1	345	219.1	52.4	193.5	139.7	663.6
9	5000	11	5000	7 ⁵ / ₈	2 ¹ / ₁₆ -5000	7.00	5 ¹ / ₂	26 ¹ / ₈
228.6	345	279.4	345	193.7	52.4	177.8	139.7	666.8
9	10000	11	5000	7 ⁵ / ₈	2 ¹ / ₁₆ -10000	7.00	5 ¹ / ₂	26 ¹ / ₂
228.6	690	279.4	345	193.7	52.4	177.8	139.7	673.1
11	2000	11	2000	7 ⁵ / ₈	2 ¹ / ₁₆ -2000	7.00	5 ¹ / ₂	17 ³ / ₄
279.4	138 bar	279.4	138 bar	193.7	52.4	177.8	139.7	450.9
11	3000	11	3000	7 ⁵ / ₈	2 ¹ / ₁₆ -3000	7.00	5 ¹ / ₂	22 ¹ / ₂
279.4	207 bar	279.4	207 bar	193.7	52.4	177.8	139.7	571.5
11	2000	13 ⁵ / ₈	2000	9 ⁵ / ₈	2 ¹ / ₁₆ -2000	9.00	7 ⁵ / ₈	20 ¹ / ₂
279.4	138 bar	346.1	138 bar	244.5	52.4	228.6	139.7	520.7
11	3000	13 ⁵ / ₈	2000	9 ⁵ / ₈	2 ¹ / ₁₆ -3000	9.00	7 ⁵ / ₈	20 ¹ / ₂
279.4	207 bar	346.1	138 bar	244.5	52.4	228.6	139.7	520.7
11	3000	13 ⁵ / ₈	3000	9 ⁵ / ₈	2 ¹ / ₁₆ -3000	9.00	7 ⁵ / ₈	20 ¹ / ₂
279.4	207 bar	346.1	207 bar	244.5	52.4	228.6	139.7	520.7
11	3000	16 ³ / ₄	2000	10 ³ / ₄	2 ¹ / ₁₆ -3000	9.92	8 ⁵ / ₈	20 ¹ / ₂
279.4	207 bar	425.5	138 bar	273	52.4	252	219	520.7
11	3000	16 ³ / ₄	3000	10 ³ / ₄	2 ¹ / ₁₆ -3000	9.92	8 ⁵ / ₈	25 ¹ / ₂
279.4	207 bar	425.5	207 bar	273	52.4	252	219	647.7
11	5000	11	5000	7 ⁵ / ₈	2 ¹ / ₁₆ -5000	7.00	5 ¹ / ₂	26 ¹ / ₂
279.4	345 bar	279.4	345 bar	193.7	52.4	177.8	139.7	673.1
11	5000	13 ⁵ / ₈	3000	9 ⁵ / ₈	2 ¹ / ₁₆ -5000	9.00	7 ⁵ / ₈	26
279.4	345 bar	346.1	207 bar	244.5	52.4	228.6	193.7	660.4
11	5000	13 ⁵ / ₈	5000	9 ⁵ / ₈	2 ¹ / ₁₆ -5000	9.00	7 ⁵ / ₈	25 ¹ / ₂
279.4	345 bar	346.1	345 bar	244.5	52.4	228.6	193.7	647.7
11	5000	16 ³ / ₄	3000	10 ³ / ₄	2 ¹ / ₁₆ -5000	9.92	8 ⁵ / ₈	25 ¹ / ₂
279.4	345 bar	425.5	207 bar	273	52.4	252	219	647.7
11	10000	13 ⁵ / ₈	5000	9 ⁵ / ₈	2 ¹ / ₁₆ -1000	7.00	7 ⁵ / ₈	29 ¹ / ₄
279.4	690 bar	346.1	345 bar	244.5	52.4	177.8	193.7	743
13 ⁵ / ₈	3000	16 ³ / ₄	3000	11 ³ / ₄	2 ¹ / ₁₆ -3000	11.00	9 ⁵ / ₈	26 ¹ / ₄
346.1	207 bar	425	207 bar	298.5	52.4	279.4	244.5	666.8