



ANNULUS PRESSURE OPERATED TESTER VALVE WITH LOCK OPEN VALVE

The Annulus Pressure Operated Tester Valve is a full-opening, annulus pressure-operated valve. It permits measuring multiple closed-in pressures in cased holes where pipe manipulation is restricted and a full-opening string is required.

The nitrogen chamber is charged at the surface to a selected pressure determined by surface temperature and bottomhole temperature and pressure.

If the intended test requires coiled tubing or wireline tools to be deployed through the tester valve, the ball valve is designed with a lock open feature. This prevents the ball valve from closing in case annulus pressure decreases.



Annulus Pressure Operated Tester Valve

Tool Size	O.D.	I.D.	Makeup Length	Tensile Rating	Working Pressure	End Connections
	in	in	in	lb	psi	
	mm	mm	m	kg	bar	
3-in	3.06	1.12	172.11	160,000	10,000	2-1/4" CAS or 2-3/8" AOH
	78	28	4.37	72,570	689.48	
3-7/8in	3.90	1.80	197.88	219,000	10,000	2-7/8" CAS or 2-7/8" IF
	99	46	5.03	99,000	689.48	
5-in	5.03	2.25	191.3	367,000	15,000	3-7/8" CAS or 3-1/2" IF
	128	57	4.86	167,000	1,034	
7-in	7.00	3.50	194.16	417,000	10,000	5-1/4" CAS or 4-1/2" IF
	178	89	4.93	189,000	689.48	