4.50" Valve

Application

DataCan's shut in tool allows the well-bore to be shut in downhole rather than at surface. The process of shutting in a well downhole eliminates the "well bore storage effects". Well bore storage effects are the result of long lengths of production tubing that need to be pressurized before the buildup can be recorded.

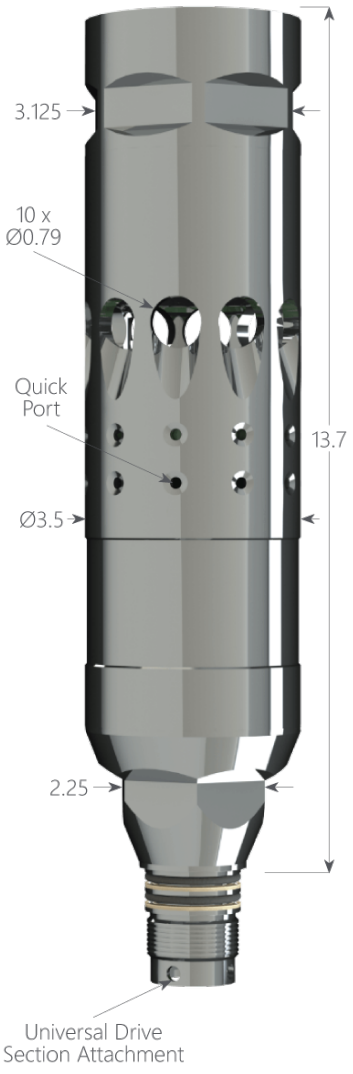
Benefits

DataCan's downhole shut in tool allows for a quicker well build up and better pressure data quality. This saves operators money on down time, and gives reservoir engineers better data for their calculations.

DataCan's 4.50" Valve is 3.50" in diameter with a 4.90 square inch flow area and can be used in 4-1/2" or larger tubing. DataCan's patented quick close valve design has multiple cycle capability and can operate at temperatures up to 177°C. The 4.50" Valve is very durable and can withstand the harshest downhole conditions.

Features

- Quick Close Time
- Multiple Cycle Capability
- Metal to Metal Seals
- Eliminates Wellbore Storage Effect
- Modular Design



4.5" Quick Shut In Tool Production Valve

Assembly Type	Material	Part No.
Sour Version	Inconel 718	102436

Accessories

Accessory Type	Part No.
Pelican Case Assembly	102466
Redress Kit Aflas 7182B	102445
Tool Kit	104254
1-9/16" Open End Wrench	100880
2-1/4" Open End Wrench	102403
USB Communication Cable	101007
12V AC/DC Power Supply	101487
Battery Tester	100887

Compatible Batteries

Size	Max Temp	Part No.
3 x D	150°C	103586
	165°C	103587
	180°C	103588

Specifications

Tool OD	3.5" OD (88.9 mm)
Closing Time	<1 minute
Valve Flow Area	4.9 in^2 (31.6 cm^2)
Lock Mandrel Flow Area	4.9 in^2 (31.6 cm^2)
Max External Pressure	10,000 psi (690 bar)
Max Differential Pressure	6,000 psi (410 bar)
Max Temperature	350°F (177°C)
Power Source	3 "D" Cell Battery Pack (11.0 V, 10.0 Ahr)
Communication Method	USB